

# 21<sup>st</sup> Annual Report 2023-2024



## **21<sup>st</sup> ANNUAL REPORT: 2023 – 2024**

### **INDEX**

<b>Sr. No.</b>	<b>Particulars</b>	<b>Page</b>
<b>1</b>	<b>Executive Summary</b>	<b>I – VIII</b>
<b>2</b>	<b>Nirma University – Central Office</b>	<b>1 – 22</b>
<b>3</b>	<b>Institute of Technology</b>	<b>23 – 109</b>
<b>4</b>	<b>Institute of Management</b>	<b>110 – 143</b>
<b>5</b>	<b>Institute of Pharmacy</b>	<b>144 – 184</b>
<b>6</b>	<b>Institute of Science</b>	<b>185 – 200</b>
<b>7</b>	<b>Institute of Law</b>	<b>201 - 232</b>
<b>8</b>	<b>Institute of Architecture &amp; Planning</b>	<b>233 – 251</b>
<b>9</b>	<b>Institute of Commerce</b>	<b>252 – 269</b>
<b>10</b>	<b>Institute of Design</b>	<b>270 – 283</b>
<b>11</b>	<b>Centre for Continuing Education</b>	<b>284 – 288</b>

## EXECUTIVE SUMMARY

April 1, 2023 to March 31, 2024

### Preamble

Established in the year 2003, the Nirma University, Ahmedabad is a research-oriented, student-centric, multidisciplinary, not-for-profit state private university. The university is duly recognised by the University Grants Commission (UGC) under Section 2 (f) of the UGC Act. It is accredited by the National Assessment and Accreditation Council (NAAC) with an 'A+' grade. The university is a member of Association of Indian Universities (AIU) and the Association of Commonwealth Universities (ACU).

The university has a host of institutes, departments and centres, offering numerous undergraduate, postgraduate and doctoral programmes. Apart from these, the university also offers several certificate and executive diploma programmes.

Nirma University is continuously striving for sustainable development and growth to attain the laid down vision, mission and objectives.

The executive summary contains the major accomplishments of the university and its constituent institutes during the financial year 2023-24.

### Nirma University

#### Awards and Achievements

##### **Nirma University's Incubation Centre recognised as Nodal Institute for the Startups**

Nirma University's Incubation Centre is granted financial assistance under the Gujarat Industrial Policy-2020, Scheme for assistance for StartUps/Innovation from the Industries & Mines Department, Government of Gujarat. Under this grant, the registered startup at NU Incubator can avail seed funding of Rs 30 Lakhs in addition to a monthly sustenance allowance of Rs 20,000. An additional support of Rs 10 Lakhs can be provided to a startup having an innovative project that has a significant impact on the society. Along with the existing grant of Rs 2.5 Lakhs from the university and SSIP per team for the pre-incubation support and multifaceted labs and infrastructure, this grant makes Nirma's Incubation Centre a preferred choice for the young innovative and business-oriented minds.

#### Rankings

Nirma University is ranked among the top private universities in the country. Some of the major rankings are as under:

- Ranked among the 'Top 10 Private Universities in India' in the annual university rankings published by India Today in its August 2023 issue. The university secured the seventh position among 446 private universities in India. Further, Nirma University ranks as the 'Top Private University' in the West Zone region.
- Ranked at 3rd position in the list of Top 100 Private University (Overall) in the Indian Institutional Ranking Framework 2023 in the March-April 2023 issue of the Education Post magazine.



## Major Events Organised

### 32<sup>nd</sup> Convocation

Nirma University held its 32<sup>nd</sup> Convocation Ceremony on November 4, 2023 where 2,876 students from various institutes of the university received their degrees. The Chief Guest for the occasion was Shri CP Gurnani, Managing Director and Chief Executive Officer of Tech Mahindra Ltd. This year, the university conferred degrees on 44 PhD, 790 postgraduate and 2,042 undergraduate students. Among the graduating students, 1,924 were male students and 952 were female. Of the 44 PhD students, 25 were male students and 19 were female students. The university also presented 62 medals to 55 students for their exemplary performance in academics. Out of these 26 were male students while 29 were female students.

## Research Highlights

With the objective of aligning the faculty with all aspects of research being undertaken at the university, a research policy was formulated in 2014. Further with the objective to provide ethical research framework and to promote exemplary standards in research and scholarship, the 'Code of Ethics for Research' was framed vide notification dated May 11, 2015.

The prominent highlights of the research work for the financial year (2023-24) are listed in the table underneath:

### Major and Minor Research Projects

Type of Research Projects	Projects Sanctioned during the year				(Amount in Lakhs)	
	2022-23		2023-24		Total ongoing Research Projects as on 31.03.2024	
	Number	Amount	Number	Amount	Number	Amount
Major (External)	11	274.58	26	1371.00	52	2178.57
Major (Internal)	02	60.00	1	30.00	3	90.00
Minor (External)	04	15.50	4	9.00	9	25.18
Minor (Internal)	46	44.32	50	47.64	53	51.93
<b>Grand Total (Major &amp; Minor)</b>	<b>63</b>	<b>394.40</b>	<b>81</b>	<b>1457.64</b>	<b>117</b>	<b>2345.68</b>

### Research Publications

Year	Paper Publications
	Total number of papers published
2023-24	467
2022-23	400

### Patents

Ten patents were granted during the year 2023-24. Six were granted to the Institute of Technology, three to the Institute of Pharmacy, and one to the Institute of Science.

Twelve patents have been published, ten from the Institute of Technology, one from the Institute of Management and one from the Institute of Pharmacy.

Ten patents have been filed, nine from the Institute of Technology and one from the Institute of Management.



## **Books Published**

The faculty members of the constituent institutes of the university published 13 books during the year 2023-24.

## **PhD**

During the year, 88 students have been registered for the PhD programmes. 44 students have been awarded the PhD degree. The cumulative total number of students registered for PhD and continuing in the programme as on March 31, 2024 is 395, which excludes 44 students awarded degree and 10 students whose admissions were cancelled. 40 new faculty members are newly recognised as PhD guides during the financial year, which brings the number of recognised guides to 252 (as on March 31, 2024). It includes internal and external guides.

## **Institute of Technology**

### **Rankings**

The prominent rankings are highlighted as under:

- Ranked 13<sup>th</sup> Best Private Engineering College in India and 3<sup>rd</sup> Best Private Engineering College in the Western Region by India Today - The Best Colleges of India 2023 Survey.
- Ranked 1<sup>st</sup> among Top Leading Engineering Colleges of Super Excellence by CSR-GHRDC Rankings - Competition Success Review – India's Top Engineering Colleges 2023.

### **MoUs**

MoUs were signed with several industries, academic and research organisations for collaborative research and to provide sharing of best practices to students.

- CSIR-Central Building Research Institute, Roorkee on March 29, 2024.
- Bureau of Indian Standards on December 14, 2024.
- Indian Air Force Represented by 17 Tetra School on January 25, 2024.
- Yudz Solutions Ltd. on December 22, 2023.
- Centre of Excellence for Composite Asia on December 16, 2023.
- Secure Meters Ltd. on September 25, 2023.
- Adani Power Limited on August 18, 2023.
- Ekoching on May 20, 2023.
- Sardar Vallabhbhai National Institute of Technology on April 7, 2023.
- Sahajanand Technologies Pvt. Ltd. on April 3, 2023.
- Mitsubishi Electric India Private Limited on April 1, 2023 and February 22, 2024.

### **Faculty Awards and Achievements**

- Dr Reena R Trivedi, Mechanical Engineering department has received Senior Laureate Award for mentorship category of the WAAH Science Laureate Awards 2023 held on January 6, 2024 at Vikram A Sarabhai Community Science Centre, Ahmedabad.
- Dr Ankit Thakkar, Computer Science & Engineering department received the ISTE Gujarat-Vadodara Institute of Engineering award for Best Faculty in Computer Engineering, U.G.

Programme, for the year 2021-22. The award was presented at Indus University, Ahmedabad, on April 27, 2023.

- Dr Aparna Kumari, Computer Science & Engineering department received Shri Pralhad P Chhabria Awards–2023 under the category of ‘Best Woman Professional (Early Career) – Runner Up’ from Hope Foundation and Research Centre, Pune, IEEE India Council, WiE Affinity Group, IEEE Pune Section on December 15, 2023.
- Dr Shebaz A Memon, Mechanical Engineering department was awarded the ISTE Gujarat - M C Bhavsar Award for Innovative Work in the Area of Renewable Energy during the 26th State Annual Faculty Convention and Conference held on April 27, 2023 at Indus University, Ahmedabad.

### **Students Awards and Achievements**

- The Team Arrow, a part of SAE Nirma Collegiate Club, secured the overall 5th position among the 71 International teams that participated in the AUVSI SUAS 2023. The competition was held during June 18-22, 2023 at Maryland, USA. The team won a cash prize of \$500 USD and a plaque. The team members were -Ms. Priyanshi Shah, Sidharth Mandaliya, Aditya Gupta, Devansh Talati, Rushil Daruwala, Jatin Vanjara, Vraj Modi and Utkarsh Maheshwari.
- The Team Arrow comprising Vaibhav Pawar, Yug Mevada, Ravi Shah, Bhavya Radadiya, Rahul Patil, Shravan Savaliya, Rutva Sheth, Rishith Vanaliya, Monil Ashapuri, and Dhagash Patel won the following awards in SAEISS DDC 2023 competition in Micro and Regular categories:  
Micro Category:
  - (i) Overall second position and a prize money of Rs. 45,000
  - (ii) First position in the Design Report award and prize money of Rs.10,000Regular Category:
  - (i) First position in the Computational Fluid Dynamics (CFD) and prize money of Rs.10,000
  - (ii) Second position in Design Report award
- Team Stallions under the SAE Nirma Collegiate Club participated in SAE E-Baja 2023 during April 05-09, 2023 organised at Chitkara University, Chandigarh and secured 1<sup>st</sup> position in Acceleration.

### **Major Events Organised**

- The 9th International Symposium on Smart Electronics Systems “iSES-2023” was organised by the Department of Electronics and Communication Engineering from December 18 to 20, 2023. The symposium saw a plethora of researchers, academicians, industry experts and professionals from the domain of Smart Electronics Systems, Internet of Things (IoT) and Cyber-Physical Systems (CPS) come together and present their works and indulge in fruitful technical discussions and exchange of knowledge.
- The 2nd International Conference on Recent Advancements in Materials Science and Nanotechnology (RAMAN-2024) was organised by the Department of Electronics and Communication Engineering from March 28 to 30, 2024. Around 95 participants from India and abroad (including Argentina, Italy, the USA, and Sri Lanka) presented their research findings on materials science and nanotechnology.

## Institute of Management

### Rankings

The prominent rankings are highlighted as under:

- Ranked at 61<sup>st</sup> position in the National Institutional Ranking Framework (NIRF) ranking 2023.
- Ranked 8<sup>th</sup> Best Private B-School in the West Zone by India Today, 2023
- Ranked 25<sup>th</sup> Best B-School Pan India and 13<sup>th</sup> among Top Private B-Schools in India by Businessworld, 2023

### Major Events Organised

The 27<sup>th</sup> Nirma International Conference on Management (NICOM 2024) was organised from January 4 to 6, 2024 by the Institute of Management. The central theme of this year's conference was 'Business in Uncertain Times: Strategies and Capabilities to Manage Disruption and Growth.' The conference had academicians and practitioners from India and abroad, presenting their research on more than 50 sub themes like Financial Crisis, Financial Literacy and AI, Sustainable Investment, Neuro-Marketing Strategies within Disruption, Industry Responses to Global Uncertainty, Business in Uncertain Times, Navigating Business in the Uncertain Times etc., to name a few.

## Institute of Pharmacy

### Rankings

The prominent rankings are highlighted as under:

- Ranked at 37<sup>th</sup> position in the National Institutional Ranking Framework (NIRF) ranking 2023.
- Ranked first among pharmacy colleges in Gujarat, receiving a Five Star rating in the Gujarat State Institutional Rating Framework (GSIRF) 2023, awarded by the Knowledge Consortium of Gujarat, Department of Education, Government of Gujarat.

### MoUs

MoUs were signed with several industries, academic and research organisations for collaborative research and to provide sharing of best practices to students.

- Pharmalab India Pvt Ltd, Ahmedabad on August 1, 2023
- Operant Pharmacy Federation, Rajasthan on July 24, 2023
- Society for Pharmaceutical Dissolution Sciences (SPDS), Mumbai on October 7, 2023
- SGVP Holistic Hospital, SG Highway, Ahmedabad on March 29, 2024
- EPIC Hospital, Rajpath Club, SG Highway, Ahmedabad on March 30, 2024

### Faculty Awards and Achievements

- Dr Priti Mehta was awarded the Prof M L Shroff 'Pharma Recognition Award' by Team Pharma Lok for her contribution to the teaching profession and the enhancement of the quality of pharmacy education on September 5, 2023.

### Major Events Organised

- The 7<sup>th</sup> Nirma Institute of Pharmacy International Conference (NIPiCON 2024) was organised from February 7-9, 2024, under the theme 'NextGen Therapeutics: Multidisciplinary Research



Approaches for Drug Development and Delivery - Bridging the Gaps from Drug Discovery to Patient Care.’ The event brought together experts, scientists, and academicians from around the globe to discuss the latest advancements and challenges in the pharmaceutical sector. Distinguished speakers and scholars from countries including the USA, Canada, UK, Australia, Malaysia, Singapore, France, and Qatar delivered insightful talks, exploring cutting-edge breakthroughs within the pharmaceutical domain.

- USP India Workshop on Dissolution Performance Verification Testing was organised on July 5, 2023. United States Pharmacopoeia (USP) and the Society for Pharmaceutical Dissolution Science (SPDS) collaborated with SOTAX India Pvt Ltd and Chromachemie Laboratory Pvt Ltd to organise the workshop. Dr L Ramaswamy, General Secretary, SPDS & Managing Director, SOTAX India Pvt Ltd; Dr Mark Liddell, Manager, Dosage Form Performance Laboratory, USP; Dr Matru Prasad, Senior Director, USP, India; Mr Munish Buch, Head, Analytical Development, R & D, Emcure Pharma Ltd and Mr BRS Rao, Managing Director, Chromachemie Lab Pvt Ltd graced the event.

## **Institute of Science**

### **Faculty Awards and Achievements**

- Prof Sarat K Dalai, Director, Institute of Science was awarded with the Best Senior Immunology Teacher Award 2023 by the Polyfeenolix-IIS (Indian Immunology Society) on the occasion of Golden Jubilee Celebration of IIS (Immunocon-50) at AIIMS, New Delhi.

### **Major Events Organised**

- The Institute of Science and Institute of Pharmacy organised a national-level symposium on CME: Immunology in Health and Diseases on February 22-23, 2024, under the aegis of the Indian Immunology Society. Inaugural addresses were given by Dr Taruna Madan (President, Indian Immunology Society), Dr Sanjeev Kumar (President, R&D, Zydus Research Centre, Ahmedabad) and Dr Dinakar Salunke (Emeritus Scientist & Former Director, International Center for Genetic Engineering & Biotechnology, New Delhi). The series of invited lectures by eminent scientists working in the field of Immunology started with the keynote address, ‘Connecting Immunology and Pharmacology’ by Dr Dinakar Salunke.
- Institute of Science hosted National Science Day on February 28, 2024, with an insightful keynote address ‘Our Brain: The Last Frontier of Science’ by Dr Sharad Gupta, Associate Professor, IIT Gandhinagar. The students actively engaged in a poster-making competition and a model-making competition, showcasing their creativity and scientific acumen.

## **Institute of Law**

### **Rankings**

- Ranked at 27<sup>th</sup> position in the National Institutional Ranking Framework (NIRF) ranking 2023.
- Ranked 6<sup>th</sup> in the Private Law Colleges in India Category by The Week Magazine (June 2023).

## **MoUs**

Institute of Law signed an MoU with M/s. UNADA Lexilegal AI India Pvt Ltd (under Corporation). The primary objective is to provide training to students in leveraging AI for both academic and professional assignments within the legal domain.

## **Faculty Awards and Achievements**

- Dr Madhuri Parikh, Director & Dean, was felicitated for her exceptional work in the field of Research and Development by ‘Sadvichar Parivar’ on March 1, 2024.

## **Students Awards and Achievements**

- Shrey Bhatt, Kartik Nagpal and Vanshika Agarwal were winners at the 6<sup>th</sup> Arun Jaitley International Insolvency and Bankruptcy Moot Competition, 2023 organised by the National Law University, Delhi from May 5-8, 2023. Vanshika Agarwal was adjudged as the Best Speaker for the Advanced rounds.
- Shreya Shukla, Shivani Bothra, Sneh Singhanian, and Arnav Mehta were declared Winners of the 6<sup>th</sup> H V Perera Q C Memorial International Arbitration Moot Competition (Victors Moot) on September 3, 2023. Shivani Bothra received the award for the Best Oralist at the event.

## **Major Events Organised**

- An International Conference on Corporate Law and Finance was hosted from November 3-5, 2023. Shri Sourabh N Soparkar (Senior Advocate, Gujarat High Court) was the chief guest. The deliberations covered diverse areas including capital markets, securities law, banking, finance, restructuring, insolvency, and foreign investments, shedding light on legal and financial strategies and underlining the growing significance of sustainability in the corporate world.
- The Second International Conference on the Right to Equality: Contemporary Challenges was organised on March 15-16, 2024 in hybrid mode. The esteemed guest speakers were Dr Usha Ramanathan (Indian Human Rights Activist) and Prof Mehrajuddin Mir (Chair Professor, MNLC, K R Mangalam University, Gurugram).
- International Teaching Month was organised from Jan 29, 2024 to March 1, 2024. The resource persons shared their experiences covering diverse legal topics such as Enforcement of foreign judgments, Asian law and cultures, Cross-border insolvency, and Constitutional protection of human rights.

## **Institute of Architecture & Planning**

### **Rankings**

Ranked at 22<sup>nd</sup> position in the National Institutional Ranking Framework (NIRF) ranking 2023.

### **MoUs**

- Institute of Architecture and Planning signed international MoUs with University of Catania, Italy; School of Agroecology, Mongolia University of Life Science, Mongolia; and Ariel University.
- The institute signed a national MoU with the Manjri Foundation, an NGO.

### **Major Events Organised**

An International Conference on ‘Urban Transformation and Heritage Conservation’ was organised on Feb 27, 2024. The conference featured 13 presentations by esteemed speakers from India, Germany, and Italy, exploring the intricate relationship between historic cores and urban development. Proceedings of ICFU’22 by the Institute of Architecture and Planning were also released in this programme.

## **Institute of Commerce**

### **MoUs**

- Institute of Commerce signed MoU with The Institute of Chartered Accountants of India (ICAI,) New Delhi.

### **Major Events Organised**

Institute of Commerce in collaboration with the Indian Accounting Association and Institute of Technology, organised Accathon’24, an interdisciplinary Accounting Hackathon for undergraduate students with the support of ACCA – the Association of Chartered Certified Accountants as the knowledge partners.

## **Institute of Design**

### **Faculty Awards and Achievements**

- Prof Priyam A Parikh, Assistant Professor received the Vikram A Sarabhai WAAH Senior Science Laureate Award 2023, a memento, citation, medal and cash prize of Rs 1 lakh for the project ‘Feeding robot for the elderly Indian people’ on Jan 6, 2024 at the Vikram A Sarabhai, Community Science Centre, Ahmedabad. WAAH Science Laureate Awards are aimed at encouraging individuals as well as the scientific community to research and also to recognise their research for addressing societal issues and working towards innovative solutions to such issues.



# **Central Office**

## CENTRAL OFFICE

### Preamble

As per the provision of Section 25(6) and Section 12(2)(iv) of Nirma University Act, 2003 (Amended 2009), it is required to prepare a yearly report of its activities conducted during the previous year and submit it in the form of an Annual Report to the Board of Governors for its review and approval.

During the year, several activities were conducted in the Central Office and the constituent institutes, viz. the Institute of Technology, Institute of Management, Institute of Pharmacy, Institute of Science, Institute of Law, Institute of Architecture & Planning, Institute of Commerce and Institute of Design. The details of these activities are documented in this report for the period from **April 1, 2023 to March 31, 2024**.

### Details of the authorities and other bodies

The details of the members of the Authorities, viz. the Board of Governors, Academic Council, Finance Committee and the Statutory Officers of the University during the year are given Below:

### Members of Trust (Nirma Education and Research Foundation)

Sr.	Name	Sr.	Name
1.	Dr. Karsanbhai K. Patel Chairman, Nirma Education and Research Foundation Chairman, Nirma Ltd President, Nirma University	2.	Shri K.K. Patel Managing Trustee, Nirma Education & Research Foundation Vice President, Nirma University
3.	Shri Rakeshbhai K. Patel Vice Chairman, Nirma Ltd. Nirma House, Ahmedabad	4.	Shri Hirenbhai K. Patel Managing Director, Nirma Ltd. Nirma House, Ahmedabad
5.	Shri R.D. Shah Chartered Accountant Nirma House, Ahmedabad		

### Members of Board of Governors

Sr.	Name	Sr.	Name
1.	Dr. Karsanbhai K. Patel - Chairman Chairman Nirma Ltd. Chairman, Nirma Education & Research Foundation President, Nirma University, Ahmedabad	2.	Shri K. K. Patel Vice President Nirma University, Ahmedabad
3.	Dr. Anup K. Singh Director General Nirma University, Ahmedabad	4.	Shri Rakeshbhai K Patel Vice Chairman, Nirma Ltd. Nirma House, Ahmedabad
5.	Shri Hirenbhai K. Patel Managing Director Nirma Ltd., Nirma House Ashram Road, Ahmedabad	6.	Prof. D. P. Agrawal Former Chairman, UPSC New Delhi

- |  |  |
|--|--|
| <p>7. Shri Mukesh Kumar (IAS)<br/>Principal Secretary<br/>Dept. of Higher and Technical Education,<br/>Block No. 5, 8th Floor Sachivalaya,<br/>Gandhinagar</p> <p>9. Shri Kamalbhai Trivedi<br/>Advocate General, Gujarat High Court The<br/>Chamber, Opp. Gurudwara, Theltej Cross<br/>Road, Ahmedabad.</p> <p>11. Shri R. D. Shah<br/>Chartered Accountant<br/>Nirma House, Ashram Road Ahmedabad</p> <p>13. Prof. Sarat Dalai<br/>Dean, Faculty of Science<br/>Nirma University, Ahmedabad</p> <p>15. Shri G. Ramachandran Nair - Secretary<br/>Executive Registrar<br/>Nirma University, Ahmedabad</p> | <p>8. Shri Pankajbhai R. Patel<br/>Chairman<br/>Zydus Lifesciences Ltd.<br/>Zydus Tower<br/>SG Highway, Ahmedabad.</p> <p>10. Dr. P. N. Bhagwati<br/>Chairman, Bhagwati Sphero<br/>Cast Ltd. 1, Krishna Society,<br/>Near Law Garden Ellisbridge,<br/>Ahmedabad</p> <p>12. Shri Vipinbhai Parikh,<br/>Advocate<br/>3, Khadayata Colony, b/h<br/>Pantaloan Show Room, Nr.<br/>Law Garden Ellisbridge,<br/>Ahmedabad</p> <p>14. Prof. Sangita Shroff<br/>Dean, Faculty of Design<br/>Nirma University, Ahmedabad</p> |
|--|--|

#### Members of Academic Council

Sr.	Name	Sr.	Name
1.	Dr. Anup K Singh - Chairman Director General, Nirma University Ahmedabad	2.	Dr. K.C. Vora Prof Emeritus Pune
3.	Dr. Kannan Srinivasan Director, Council of Scientific and Industrial Research Central Salt & Marine Chemicals Research Institute, Bhavnagar	4.	Dr. C. P. Gupta Professor, Department of Financial Studies University of Delhi, New Delhi
5.	Shri Nilesh M. Desai Director, SAC/ISRO Jodhpur Tekra, Ambawadi, Ahmedabad	6.	Prof. Utpal Sharma Dean, Faculty of Architecture & Planning, Nirma University, Ahmedabad
7.(a)	Dr. Subir Verma Dean, Faculty of Management Nirma University, Ahmedabad (up to 06.09.2023)	7.(b)	Prof. Ashwini Awasthi Dean (i/c), Faculty of Management Nirma University, Ahmedabad (from 07.09.2023)
8.	Prof. Sarat Dalai Dean, Faculty of Science Nirma University, Ahmedabad	9.	Prof. Rajesh Patel Dean, Faculty of Technology & Engineering, Nirma University, Ahmedabad



- |        |  |        |   |
|--------|--|--------|---|
| 10.    | Prof. Udai Paliwal<br>Dean, Faculty of Commerce<br>Nirma University, Ahmedabad   | 11.    | Prof. Sangita Shroff<br>Dean, Faculty of Design<br>Nirma University, Ahmedabad  |
| 12.    | Prof. P. N. Tekwani<br>Dean, Faculty of Doctoral Studies &<br>Research, Nirma University,<br>Ahmedabad                                 | 13.    | Prof. Madhuri Parikh<br>Dean (i/c), Faculty of Law<br>Nirma University, Ahmedabad.  |
| 14.(a) | Prof. Tejal Mehta<br>Dean (i/c), Faculty of Pharmacy<br>Nirma University, Ahmedabad<br><i>(up to 28.05.2023)</i>                       | 14.(b) | Prof. Gopal Natesan<br>Dean, Faculty of Pharmacy<br>Nirma University, Ahmedabad<br><i>(from 29.05.2023)</i>                     |
| 15.    | Prof. Sanjay Patel<br>Dept. of Chemical Engineering<br>Institute of Technology<br>Nirma University, Ahmedabad                          | 16.    | Prof. Milind Joshipura<br>Dept. of Chemical Engineering<br>Institute of Technology<br>Nirma University, Ahmedabad               |
| 17.    | Prof. Kaushik Patel<br>Dept. of Mechanical Engineering<br>Institute of Technology<br>Nirma University, Ahmedabad                       | 18.    | Prof. Bharat Modi<br>Dept. of Mechanical Engineering<br>Institute of Technology<br>Nirma University, Ahmedabad                  |
| 19.    | Prof. Parul Patel<br>Dept. of Civil Engineering<br>Institute of Technology<br>Nirma University, Ahmedabad                              | 20.    | Prof. Sharad Purohit<br>Dept. of Civil Engineering<br>Institute of Technology<br>Nirma University, Ahmedabad                    |
| 21.    | Prof. Usha Mehta<br>Dept. of Electronics & Communication<br>Engineering, Institute of Technology<br>Nirma University, Ahmedabad        | 22.    | Prof. Santosh Vora<br>Dept. of Electrical Engineering<br>Institute of Technology<br>Nirma University, Ahmedabad                 |
| 23.    | Prof. Nagendra Gajjar<br>Dept. of Electronics & Communication<br>Engineering, Institute of Technology<br>Nirma University, Ahmedabad   | 24.    | Prof. Madhuri Bhavsar<br>Dept. of Computer Science and<br>Engineering<br>Institute of Technology<br>Nirma University, Ahmedabad |
| 25.    | Prof. Dipak Adhyaru<br>Dept. of Electronics & Instrumentation<br>Engineering<br>Institute of Technology<br>Nirma University, Ahmedabad | 26.    | Prof. Priti Mehta<br>Dept. of Pharmaceutical Analysis<br>Institute of Pharmacy<br>Nirma University, Ahmedabad                   |
| 27.    | Prof. Jigna Shah<br>Pharmacology area<br>Institute of Pharmacy<br>Nirma University, Ahmedabad  | 28.    | Dr. Hardik Bhatt<br>Pharmaceutical Chemistry area<br>Institute of Pharmacy<br>Nirma University, Ahmedabad                       |
| 29.    | Prof. Tejal Mehta<br>Pharmaceutics area<br>Institute of Pharmacy<br>Nirma University, Ahmedabad  | 30.    | Prof. Hrudanand Misra<br>Institute of Management<br>Nirma University, Ahmedabad   |

- |  |   |
|--|---|
| 31. Prof. Samik Shome<br>Institute of Management<br>Nirma University, Ahmedabad                    | 32. Dr. Vibha Gajjar<br>Institute of Architecture & Planning<br>Nirma University, Ahmedabad |
| 33. Prof. Madhuri Parikh<br>Institute of Law<br>Nirma University, Ahmedabad                        | 34. Dr. Arun Prasad<br>Institute of Law<br>Nirma University, Ahmedabad<br>(from 29.05.2023) |
| 35. Shri G. Ramachandran Nair -<br>Secretary<br>Executive Registrar<br>Nirma University, Ahmedabad |   |

#### Members of Finance Committee

Sr.	Name	Sr.	Name
1.	Dr. Anup K Singh - <i>Chairman</i> Director General Nirma University Ahmedabad	2.	Shri Hirenbhai K. Patel Member, Board of Governors Nirma University Nirma House, Ashram Road Ahmedabad
3.	Shri R. D. Shah Chartered Accountant Nirma House, Ashram Road, Ahmedabad.	4.	Prof. Rajesh N. Patel Dean, Faculty of Technology & Engineering Nirma University, Ahmedabad
5.	Shri G. Ramachandran Nair - Secretary Executive Registrar Nirma University, Ahmedabad		

#### Officers of the University

Sr.	Name	Designation
1.	Shri K. K. Patel	Vice President
2.	Dr. Anup K. Singh	Director General
3.	Shri G. Ramachandran Nair	Executive Registrar
4.	Prof. R.N. Patel	Dean, Faculty of Technology & Engineering
5.	Prof. Utpal Sharma	Dean, Faculty of Architecture & Planning
6.	Prof. Sarat Dalai	Dean, Faculty of Science
7.	Dr. Subir Verma	Dean, Faculty of Management
8.	Prof. Udai Paliwal	Dean, Faculty of Commerce
9.	Prof. Sangita Shroff	Dean, Faculty of Design
10.(a)	Prof. Tejal Shah	Dean (i/c), Faculty of Pharmacy (from 17.07.2022)
10.(b)	Prof. Gopal Natesan	Dean, Faculty of Pharmacy (from 29.05.2023)
11.	Prof. P. N. Tekwani	Dean, Faculty of Doctoral Studies & Research
12.	Prof. Madhuri Parikh	Dean (i/c), Faculty of Law
13.	Shri Ashish Desai	Hon. Head of Dept., Student Welfare

This year, the University conducted meetings of different authorities of the University and also of the other bodies, like faculties, boards, committees and councils. The meeting details are given in Appendix – A [page 18]. The details of important decisions taken by the Board of Governors and Academic Council are given below:

### **Board of Governors**

- a) Institution of gold medal for the student of Bachelor of Business Administration (BBA) run under Institute of Management (Resolution No. 3(B) dated 22.09.2023)
- b) Introduction of Rules for Encashment of Leave (EL) while in service for the employees of Nirma University (Resolution No. 3(D) dated 22.09.2023)
- c) Institution of a new course of study- Bachelor of Science in Pharmaceutical Sciences (Hons.) under Faculty of Science offered under Institute of International Study (Resolution No. 4(C) dated 22.09.2023)
- d) Introduction of following Academic Regulations in supersession of existing academic regulations due to implementation of the National Education Policy–2020 (NEP-2020) (Resolution No. 3(B) dated 30.03.2024):
  - I) Faculty of Architecture & Planning
    - **Bachelor of Architecture**
    - **Master of Architecture**
  - II) Faculty of Law
    - **Undergraduate Law (Five year Integrated) Programmes**
    - **Post Graduate programme in Laws**
  - III) Faculty of Design
    - **Bachelor of Design**
- e) Institution of two new 2+2 dual degree programmes under Faculty of Technology & Engineering offered under the Institute of International Study along with its academic regulations and eligibility criteria (Resolution No. 3(C) dated 30.03.2024)

**Note:** All the financial and academic decisions, wherever mentioned above, were taken on the recommendations of the Finance Committee and Academic Council, as the case may be.

### **Academic Council**

- a) Substitution/ replacement of the existing University Elective courses with Open Elective/Institute Elective courses (Resolution No. 7 dated 20.05.2023)
- b) Introduction of Programme Outcome (PO) in the Pharm.D. programme (Resolution No. 6 dated 12.09.2023)
- c) Increase in the intake of B.Arch. programme run under the Institute of Architecture & Planning from existing intake of ‘80’ to 120 from academic year 2024-25 onwards (Resolution No. 13 dated 12.09.2023)
- d) Introduction of Minor along with the Teaching & Examination Scheme of various semesters and Syllabi of Semester-V to be offered to the students of B.Tech. programmes (Resolution No. 3(B) dated 12.03.2024)
- e) Introduction of the Teaching & Examination Scheme and Syllabi of Semester-I & II of newly instituted programme- B.Tech. (Artificial Intelligence & Machine Learning) (Resolution No. 3(F) dated 12.03.2024)
- f) Introduction of interdisciplinary Minor in Marketing (Resolution No. 4(B) dated 12.03.2024)
- g) Introduction of Minors along with the Teaching & Examination Scheme and Syllabi of various core and elective courses to be offered under ‘Minor’ in Semester-V to the students of B.Com. (Hons.) (Resolution No. 6(B) dated 12.03.2024)
- h) Introduction of Programme Outcomes (PO), Programme Structure and Syllabi of Semester-I of Bachelor of Design (B. Des.) programmes in Communication Design and Product and Interaction Design in supersession of existing curricula (Resolution No. 9 dated 12.03.2024)



- i) Introduction of the interdisciplinary Minor in Human Centered Design along with its Teaching & Examination Scheme and Syllabi to be offered to the students of B.Tech. and B.Com. (Hons.) programmes curricula (Resolution No. 9 dated 12.03.2024)
- j) Introduction of Guidelines for Writing Style and Dialect of English Language to be followed for writing the Ph.D thesis by the Ph.D. students (Resolution No. 11(E) dated 12.03.2024)
- k) Introduction of pro forma of the Checklist to be placed with spiral bounded volume at the time of submission of the thesis by the Ph.D. students (Resolution No. 11(F) dated 12.03.2024)

**Note:** All the Academic decisions as mentioned above are taken on the recommendations of the respective Board of Studies/Area Committee, followed by Faculties and as endorsed by the Academic Council.

### Postgraduate Teachers recognised in Institutes of Technology and Pharmacy

During the year, **14** faculty members have been given recognition as Postgraduate Teachers (PGT) and **0** faculty members have been given recognition as Assistant Postgraduate Teachers (APGT) as per the details given below. The total number of faculty members recognised as P.G.T as on 31.03.2024 is **187** as under:

Table No. 1

Branch	No. of faculties given recognition during the year 2022-23	No. of faculties given recognition during the year 2023-24	No. of faculties retired/resigned in 2023-24	Total No. of recognised PGT available as on	
				31.03.23	31.03.24
1. Institute of Technology	19	10	03	149	156
2. Institute of Pharmacy	03	04	01	24	27
3. Institute of Law	--	-	-	04	04
<b>Total</b>	<b>22</b>	<b>14</b>	<b>04</b>	<b>177</b>	<b>187</b>

\* Includes 29 APGTs

Note: For the Institute of Science and Institute of Management, as all the teachers are recruited for the Masters programmes, no separate Postgraduate Teacher recognition is granted.

Whereas, only undergraduate programmes are run under the Institute of Commerce and Institute of Design, hence, no Postgraduate Teacher recognition is granted.

### Postgraduate Registration

The details about the students registered for different Postgraduate programmes and the total strength are as under:

Table No. 2

Faculty	Programme		No. of students registered during the year (Including Supernumerary seats)				Total students on roll			
			22-23		2023-24		31.03.23		31.03.2024	
			Total	Boys	Girls	Total	Total	Boys	Girls	Total
Technology & Engineering	i)	M. Tech	149	112	37	149	288	223	68	291
	ii)	MCA	71	49	19	68	142	103	34	137
Management	i)	MBA	297	246	113	359	586	452	200	652
	ii)	MBA (FB&E)	61	47	16	63	106	90	30	120
	iii)	MBA(HRM)	41	16	30	46	68	23	68	91
	iv)	Int. MBA	76	50	71	121	146	85	111	196
	v)	Int. CSE-MBA	-	58	20	78	-	58	20	78
Pharmacy	iii)	MPharm	50	27	26	53	105	47	56	103
Science	iii)	MSc	99	23	70	93	186	40	155	195
Law	ii)	LLM	25	8	19	27	25	08	19	27
Architecture & Planning	ii)	M. Arch	5	4	2	6	05	04	07	11
<b>Total</b>			<b>874</b>	<b>640</b>	<b>423</b>	<b>1063</b>	<b>1657</b>	<b>1133</b>	<b>768</b>	<b>1901</b>

## Enrolment

The details about the students enrolled for different Undergraduate programmes and the total strength is as under:

Table No. 3

Faculty	Programme		No. of students enrolled During the year in (Including Super numerary seats)				Total students on roll			
			22-23	2023-24			31.03.23	31.03.2024		
			Total	Boys	Girls	Total	Total	Boys	Girls	Total
Technology & Engineering	i)	B. Tech	1070	954	207	1161	4368	3671	757	4428
		Diploma to Degree	159	132	23	155				
Management	ii)	B. S. (2+2)	11	37	15	52	11	46	16	62
	i)	BBA	228	129	128	257	667	349	341	690
Pharmacy	i)	B. Tech-MBA	66	42	23	65	215	140	62	202
		BPharm	112	62	49	111	445	196	234	430
		Diploma to Degree	-	3	-	3				
Law	ii)	Pharm. D	32	11	20	31	32	22	40	62
	iii)	B.S (Pharmaceutical Science)	-	2	2	4	-	2	2	4
Architecture & Planning	i)	B. A, LLB	190	66	114	180	767	321	485	806
	ii)	B. Com, LLB	130	51	78	129	595	275	326	601
Commerce	i)	B. Arch	89	36	54	90	423	171	261	432
Design	i)	BCom (Hons)	139	64	74	138	445	195	211	406
	i)	B. Design	82	26	62	88	329	90	235	325
<b>Total</b>			<b>2308</b>	<b>1615</b>	<b>8849</b>	<b>2464</b>	<b>8297</b>	<b>5478</b>	<b>2970</b>	<b>8448</b>

The total strength of students on the campus in the year 2023-24 is 10349.

In addition to above, 07 students were admitted in EDP Programmes (duration of 33 Sundays) offered by Institute of Management.

## Admissions under supernumerary categories (i.e., CIWGC-SEA, PIO and FN)

Table No. 4

Programme	No. of students admitted in supernumerary categories during the year 2022-23 & 2023-24				Total Existing Students in supernumerary categories as on 31.03.2023 & 31.03.2024			
	CIWGC-SEA		PIO/FN		CIWGC-SEA		PIO/FN	
	2022-23	2023-24	2022-23	2023-24	31.03.2023	31.03.2024	31.03.2023	31.03.2024
BTech	47	49	05	04	165	179	18	20
BPharm	04	05	-	01	11	15	01	01
BA/ BCom. LLB	-	01	-	-	04	05	-	-
BBA-MBA	12	12	-	02	32	30	02	02
BCom (Hons)	02	-	-	-	05	04	-	-
MBA	02	01	01	-	05	03	01	01
MTech	-	-	-	-	01	-	-	-
MPharm	-	-	-	-	-	-	01	-
BArch	-	-	-	-	07	07	-	-
BDes	01	02	-	-	07	08	-	-
MCA	01	-	-	-	01	-	-	-
PharmD	02	01	-	-	02	03	-	-
BS (2+2)	-	03	-	-	-	03	-	-
<b>Total</b>	<b>71</b>	<b>74</b>	<b>06</b>	<b>07</b>	<b>240</b>	<b>257</b>	<b>23</b>	<b>24</b>

## Category-wise students

The break-up of category-wise number of students admitted and total existing strength in the year 2021-22 & 2023-24 are as under (including UG/ PG):

Table No. 5

Institute	Category-wise number of Students admitted during the year 2022-23							Category-wise number of Students admitted during the year 2023-24						
	Open	SC	ST	SEBC	PH	J&K Migrant	Total	Open	SC	ST	SEBC	PH	J&K Migrant	Total
IT-NU	1039	81	48	292	-	-	1460	1210	59	37	279	--	--	1585
IM-NU	769	-	-	-	-	-	769	948	4	--	37	--	--	989
IP-NU	155	10	1	28	-	-	194	150	18	6	28	--	--	202
IS-NU	78	3	---	18	-	-	99	75	4	--	14	--	--	93
IL-NU	343	1	1	---	-	-	345	327	--	--	9	--	--	336
IAP-NU	81	3	---	16	-	-	100	83	3	--	10	--	--	96
ICNU	134	1	---	4	-	-	139	129	--	2	7	--	--	138
IDNU	79	1	1	1	-	-	82	83	--	--	5	--	--	88
<b>Total</b>	<b>2678</b>	<b>100</b>	<b>51</b>	<b>359</b>	<b>-</b>	<b>-</b>	<b>3188</b>	<b>3005</b>	<b>88</b>	<b>45</b>	<b>389</b>	<b>--</b>	<b>--</b>	<b>3527</b>

Table No. 6

Institute	Category-wise Cumulative Existing Students as on 31.03.2023							Category-wise Cumulative Existing Students as on 31.03.2024						
	Open	SC	ST	SEBC	PH	J&K Migrant	Total	Open	SC	ST	SEBC	PH	J&K Migrant	Total
IT-NU	3842	187	136	633	9	2	4809	4001	158	120	631	07	01	4918
IM-NU	1788	-	-	-	-	-	1788	1952	-	-	77	-	-	2029
IP-NU	458	34	8	79	3	-	582	474	38	11	74	03	-	599
IS-NU	152	05	-	29	-	-	186	157	07	-	31	-	-	195
IL-NU	1374	-	01	12	-	-	1387	1413	-	01	20	-	-	1434
IAP-NU	350	14	3	61	-	-	428	372	13	01	57	-	-	443
IC-NU	422	2	1	20	-	-	445	389	01	01	15	-	-	406
ID-NU	315	3	1	10	-	-	329	310	01	01	13	-	-	325
<b>Total</b>	<b>8701</b>	<b>245</b>	<b>150</b>	<b>844</b>	<b>12</b>	<b>2</b>	<b>9954</b>	<b>9067</b>	<b>218</b>	<b>135</b>	<b>918</b>	<b>10</b>	<b>01</b>	<b>10349</b>

Note: Ph.D. Students are not included in the above data.

## Personnel and Administration

During the year 2023-24, advertisements were published for filling up teaching and non-teaching positions. The strength of employees (Teaching & Non-teaching) as on the last date of the financial year are as under:

Table No. 7

Institutes	Cadre wise Faculty Strength								Non-Teaching Employees	
	Professor		Associate Professor		Assistant Professor		Total Faculty Members			
	31.03.23	31.03.24	31.03.23	31.03.24	31.03.23	31.03.24	31.03.23	31.03.24	31.03.23	31.03.24
IT-NU	24	25	30	30	165	185	219	240	119	130
IM-NU	07	07	14	11	44	47	65	65	49	50
IP-NU	03	04	06	06	19	19	28	29	21	21
IS-NU	01	01	02	02	07	07	10	10	07	06
IL-NU	02	02	01	02	40	38	43	42	15	17
IAP-NU	02	02	03	05	14	17	19	24	09	10
IC-NU	01	01	01	01	09	06	11	08	05	05
ID-NU	02	02	01	01	09	12	12	15	09	09
Central office									43	42
<b>Total</b>	<b>42</b>	<b>44</b>	<b>58</b>	<b>58</b>	<b>307</b>	<b>331</b>	<b>407</b>	<b>433</b>	<b>277</b>	<b>290</b>

The total staff available as on 31.3.2024 in the University is 752\* [Teaching = (433-Full-time+29-Part-time) + non-teaching = 290]

\* This does not include Visiting Faculty and employees deployed by external agencies through contract.

## Contractual / Visiting Faculty

Table No. 8

Institute	Contractual / Visiting Faculty in 2023-24	
	Contractual Faculty	Visiting Faculty
Institute of Technology	06	04
Institute of Management	03	11
Institute of Pharmacy	-	02
Institute of Law	09	-
Institute of Commerce	-	03
Institute of Architecture	08	23
Institute of Design	03	20
<b>Total</b>	<b>29</b>	<b>63</b>

## Faculty and Staff members promoted under Career Advancement Schemes (CAS)

Table No. 9

Institutes	Employees promoted under CAS											
	Teaching Staff Promoted										Non-Teaching	
	Stage 1 to 2		Stage 2 to 3		Stage 3 to 4		Stage 4 to 5		Total		2022-23	2023-24
	22-23	23-24	22-23	23-24	22-23	23-24	22-23	23-24	2022-23	2023-24		
IT-NU	-	04	-	08	-	-	03	-	03	12	06	-
IM-NU	-	02	-	-	-	-	01	01	01	03	05	-
IP-NU	-	-	-	01	-	-	-	-	-	01	-	-
IS-NU	-	-	-	-	-	-	-	-	-	-	-	-
IL-NU	-	-	-	-	-	-	01	-	01	-	01	-
IA-NU	-	-	-	-	-	-	-	-	-	-	01	-
IC-NU	01	01	-	-	-	-	-	-	01	01	-	-
ID-NU	-	-	-	-	-	-	-	-	-	-	-	-
Central office	-	-	-	-	-	-	-	-	-	-	-	02
<b>Total</b>	<b>01</b>	<b>07</b>	<b>-</b>	<b>09</b>	<b>-</b>	<b>-</b>	<b>05</b>	<b>01</b>	<b>06</b>	<b>17</b>	<b>13</b>	<b>02</b>

## Status of PhD qualification of Faculty Members

Table No. 10

Institutes	with PhD	Pursuing PhD
Institute of Technology	183	53
Institute of Management	60	02
Institute of Pharmacy	28	01
Institute of Science	10	-
Institute of Law	29	13
Institute of Architecture & Planning	09	14
Institute of Commerce	06	-
Institute of Design	04	04
<b>Total</b>	<b>329</b>	<b>87</b>

## Research

### PhD Programmes

During the year 2023-24, **40** additional faculty members have been given recognition from the faculty members working under the University for guiding Research Scholars. The details are given in **Appendix – B** [page 19]. The cumulative existing number of available recognised PhD Guides as on 31.03.2024 is **252**. Faculty-wise details are as under:

Table No. 11

Faculty	PhD Guides Recognised during the year		Total Available Recognised PhD Guides as on			
	2022-23	2023-24	31.03.2023	31.03.2024*		
			Total	Internal	External	Total
Technology & Engineering	10	15	96	96	11	107
Management	-	04	22	24	-	24
Pharmacy	-	08	22	25	03	28
Science	02	06	72	19	59	78
Law	-	05	05	10	-	10
Architecture	01	02	03	05	-	05
<b>Total</b>	<b>13</b>	<b>40</b>	<b>220</b>	<b>179</b>	<b>73</b>	<b>252</b>

\* This figure does not include the 8 recognised faculty members who left the Institution.

## PhD Students

The details about the PhD students are as under:

Table No. 12

Faculty	No. of PhD Students registered during the year				Total PhD Students on roll				PhD Degree awarded during	
	2022-23	2023-24			31.03.2023	31.03.2024#			2022-23	2023-24
		Boys	Girls	Total		Boys	Girls	Total		
Technology & Engineering	23	17	13	30	152	99	63	162	14	18
Management	12	04	08	12	64	21	38	59	02	13
Pharmacy	14	10	09	19	70	34	45	79	06	08
Science	10	05	09	14	43	15	37	52	06	04
Law	06	03	03	06	19	14	11	25	03	-
Architecture & Planning	03	05	02	07	13	08	10	18	-	01
<b>Total</b>	<b>68</b>	<b>44</b>	<b>44</b>	<b>88</b>	<b>361</b>	<b>191</b>	<b>204</b>	<b>395</b>	<b>31</b>	<b>44</b>

# This figure does not include the 10 Students whose admissions were cancelled during the year.

\* Details are provided in *Appendix -C* [page 20-22]

## Research Projects

Table No. 13

(Amount in Lakhs)

Type of Research Projects	Projects Sanctioned during the year				Total ongoing/Sanctioned Research Projects as on 31.03.2024	
	2022-23		2023-24		Number	Amount
	Number	Amount	Number	Amount		
Major (External)	11	274.58	26	1371.00	52	2178.57
Major (Internal)	02	60.00	1	30.00	3	90.00
Minor (External)	04	15.50	4	9.00	9	25.18
Minor (Internal)	46	44.32	50	47.64	53	51.93
<b>Grand Total</b>	<b>63</b>	<b>394.40</b>	<b>81</b>	<b>1457.64</b>	<b>117</b>	<b>2345.68</b>

## Funding agency-wise details of Research Projects during the Financial Year 2022-23 & 2023-24

Table No. 14

(Amount in Lakhs)

Type of Research Projects	Funding Agency	2022-23		2023-24	
		Number	Amount	Number	Amount
Major (External)	SERB	03	91.91	4	80.08
	GUJCOST	02	49.41	4	87.55
	GSBTM	02	56.48	7	332.12
	BRNS	01	33.30	-	-
	Gujarat Tribal & Research training Society	01	12.02	-	-
	Q-Bo Technologies Pvt Ltd.	01	10.00	-	-
	ISRO	01	21.46	-	-



	Kosol Energie Pvt. Ltd	-	-	1	15.89
	Indian Council of Medical Research	-	-	2	156.78
	ICSSR	-	-	2	22.00
	MeitY	-	-	1	96.00
	DBT	-	-	1	38.84
	Climate Change Department	-	-	1	6.00
	ERASMUS+	-	-	1	92.95
	National Technical Textile Mission	-	-	1	422.78
	Pharma Lab	-	-	1	20.00
	<b>Total</b>	<b>11</b>	<b>274.58</b>	<b>26</b>	<b>1371.00</b>
<b>Major (Internal): Nirma University</b>		02	60.00	1	30.00
<b>Total (Major)</b>		<b>13</b>	<b>334.58</b>	<b>27</b>	<b>1401.00</b>
<b>Minor (External)</b>	Q-Bo Technologies Pvt Ltd., Kusters Calico Machineries Pvt. Ltd. (KCMPL), Rubtech Industry, Brahmdeep Industry, Varahi Intermediates	4	15.50	-	-
	Commissioner of Technical Education	-	-	1	2.00
	Green Technologies for Sustainable Development	-	-	1	1.50
	Vapi Green Enviro Ltd	-	-	2	5.50
	<b>Total</b>	<b>4</b>	<b>15.50</b>	<b>4</b>	<b>9.00</b>
<b>Minor (Internal): Nirma University</b>		46	44.32	50	47.64
<b>Grand Total</b>		<b>63</b>	<b>394.40</b>	<b>81</b>	<b>1457.64</b>

### Summary of Revenue Generated through Consultancy/Testing / Training (Amount in Lakhs)

Table No. 15

Revenue Generated	2022-23	2023-24
	Consultancy/Testing/Training	Consultancy/Testing/Training
<b>Total</b>	<b>112.54</b>	<b>131.48</b>

### Research Publications

Table No. 16

Year	Paper Published
2023-24	467
2022-23	400

### Details of Patent

Table No. 17

Sr. No.	Name of the Teacher	Patent Number	Title of the patent	Status
1	Prof. Digesh Joshi, Prof. Harsh Kapadia Prof. Paresh Patel Prof. Aplesh Patel Dr. Jayesh Dave Prof. Sharad Purohit	2959/MUM/2015	Design and Development of Concrete Block Testing Machine	Granted
2	Dr. Mamta Saiyad Dr. Niranjana Devashrayee	201721017285	Radiation Hardened Epoxy/Graphite Polymer Composite	Granted
3	Dr. Deepak Adhyaru Ms. Pallav Gandhi	3303/MUM/2015	Smart Modbus Protocol Device	Granted

4	Dr. Urmil Dave Prof. Sonal Thakkar	201721021390	A Novel Composition for Alkali Activated Paver Blocks and A Process Thereof	Granted
5	Prof. Kunal Ghosh Prof. Mihir Chauhan	201921004168	An Improved Antimine Vehicle with Vertical Blast Ventilation	Granted
6	Dr. Amit Kumar Dr. H.S Banyal Priyanka, Sachin Raghav Mrs. Chinu Kumari Mr. Abhishek Soni	202121047523	Intelligent Seawater Separation (Salt and Fresh Water) Process and Procedure.	Granted
7	Dr. Jigar Shah	202121037885	Pulsatile Drug Delivery System of Leflunomide For the Chronotherapy of Arthritis	Granted
8	Dr Mayur Patel, Dr. Bhoomika M. Patel	201621044564	A Formulation Comprising Chitosan-Ethylcellulose Microspheres for Treatment of Inflammatory Bowel Disease	Granted
9	Dr. Priti Mehta Dr.Dipal Gandhi	201621004302	A Method for Isolation of Betulenic Acid from The Bark of Dillenia Species	Granted
10	Dr. Sarat Dalai Manoj Patidar	201721010096	Improved Chimeric II-I5	Granted
11	Dr. Reena Trivedi Dr. Hiren Prajapati	202121060194	Hydro-Mechanically Operated Brick Manufacturing Machine”	Published
12	Dr. Dipak Adhyaru Ms. Somya Gupta,	202221022352	An Apparatus for Pulsed H <sub>2</sub> O <sub>2</sub> Plasma-Sonic Sterilizer	Published
13	Dr. Absar Lakdawala Prof. Hiren Prajapati	202221016599	A Machine for Redispersibility Of Magnetorheological Fluids	Published
14	Dr. Nimish Shah, Dr. Raju Mewada, Dr. Tejal Mehta	202221023020	A Method and Composition of Copolymer as Superdisintegrant for Oral Administration of Drugs	Published
15	Dr. Smita Agrawal Prof. Parita Oza, Dr. Sudeep Tanwar Dr. Madhuri Bhavsar Mr. Shrey Patel	202321051168	Renewable Energy Based Smart Dustbin with Auto Cleaning Facility for Sensors and Solar Panels	Filed & published
16	Dr. Sudeep Tanwar Dr. Lata Gohil Dr. Tarjni Vyas Prof. Anuja Nair Prof. Shivani Desai Mr. Tirth Patel, Mr. Milan Ghoghari	202321065499	Smart Travelling Bag	Filed & published

17	Dr. Darshita Shah	202321070409	A Quadruped Robot for Climbing Telecom Tower	Filed & published
18	Priyam Parikh Reena R. Trivedi Naitik Dalwadi Keyur Joshi Kaushikkumar Patel Gohil Jigar Arjunbhai Jatinkumar Dave	202321080546	A Vision-Actuated Feeding Robotic Arm Setup for The Elderly and Specially-Abled People	Filed & published
19	Dr. Smita Agrawal Dr. Parita Oza Dr. Sudeep Tanwar Nishika Shah Mr. Shrey Patel Purna Halari	202321082283	Sensor Based Smart Traffic Management System	Filed & published
20	Darshita J Shah Jatin M. Dave, Mihir M. Chauhan Bharat A. Modi Kaushik M. Patel	202421001642	Ladder Climbing Robot for Telecom Tower	Filed & published
21	Dr. Shashank Thanki Jaydeep. R. Shah	202321042513	An Attachment for The Nozzle of Fused Filament Fabrication 3D Printer to Facilitate Continuous Fiber Reinforcement	Filed & published
22	Dr. Mayur Patel, Dr. Bhoomika M. Patel Ms. Shruti U Rawal Mr. Prateek Mathur	202221014323	An Anticancer-Drug Delivery Formulation	Published
23	Dr. Jayesh Ruparelia	202321027603	A Novel Anode Used for The Generation of Sodium Hypochlorite as A Disinfectant by The Electrochemical Method	Filed
24	Dr. Sonal Thakker	202421005028	Sustainable Concrete Using Industrial Waste of Calcium Carbide Residue in Ordinary Protalad Cement Concrete	Filed
25	Dr. Ankur Pandya	202321084052	An Improved System for Generation of Electrical Energy and Method Thereof	Filed

### Award of Scholarship/Assistance

#### University Scholarships

Since the inception of the University, scholarships are being given from the different funds besides book bank facility. Accordingly, in the year 2022-23 & 2023-24 the scholarships/financial assistance are given as per the details underneath:

Table No. 18

Sr. No.	Type of Financial Assistance	No. of Students benefitted		Amount of financial Assistance in Lakhs	
		2022-23	2023-24	2022-23	2023-24
1	Based on Merit	348	354	357.52	396.28
2	Merit cum means	329	423	386.92	477.51
3	Stipend to PG Students	447	453	169.63	167.13
4	Fellowships to Doctoral Students	79	76	165.53	167.31
5	Needy Students fund	15	12	15.42	14.26
6	100% subsidy on Interest on Education Loan	03	2	1.18	0.99
7	50% subsidy on Interest on Education Loan	01	-	0.15	-
<b>Total</b>		<b>1222</b>	<b>1320</b>	<b>1096.35</b>	<b>1223.48</b>

### Government Scholarships/Fellowships

Institute-wise Government Scholarships/Fellowships received by the students:

Table No. 19

Institute	IT-NU	IM-NU	IP-NU	IS-NU	IAP-NU	Total
Number of students	1546	11	116	15	42	<b>1730</b>

### Infrastructure Development

During the Financial Year 2023-24, expenditure for development of infrastructure facility has been made as per the following details:

Table No. 20

(₹ in Lakhs)

Description	Institute-wise expenditure during the year 2023-24										Total	
	ITNU	IMNU	IPNU	ISNU	ILNU	IANU	ICNU	IDNU	IIS	NU	2022-23	2023-24
Equipment	180.16	85.99	27.35	28.25	0.78	2.33	0.00	7.88	0.90	704.17	975.29	1037.81
Computers	521.49	211.61	71.15	6.55	64.03	57.57	13.32	5.49	44.01	5.73	314.75	1010.24*
Books	7.21	3.44	4.31	1.68	5.32	3.81	0.13	2.83	0.00	0.00	43.64	28.73
Vehicles	0.00	0.00	0.00	0.00	0.00	7.74	0.00	0.00	0.00	0.49	29.81	8.23
Furniture & Fixtures	144.12	132.89	2.75	0.64	69.24	7.98	0.00	0.27	0.00	1824.79	1541.95	2182.68
Building	5.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3300.00	3288.89	3305.90
Building (WIP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1709.60	549.07	1709.60
<b>Total</b>	<b>858.88</b>	<b>433.93</b>	<b>105.56</b>	<b>37.12</b>	<b>139.37</b>	<b>79.43</b>	<b>13.45</b>	<b>16.47</b>	<b>44.91</b>	<b>7544.78</b>	<b>6743.40</b>	<b>9283.19</b>

\* Includes 9.29 Lakh for Department of Interdisciplinary Studies

The total amount spent in the Financial Year 2023-24 for the above infrastructure comes to ₹ **9283.19** lakhs

### Staff Welfare Activities

Reimbursement of Expenditure to the Employees of the University for the year 2023-24 are as under:

Table No. 21

(₹ in Lakhs)

Description	Institute-wise expenditure during the year 2023-24										Total	
	ITNU	IMNU	IPNU	ISNU	ILNU	IANU	ICNU	IDNU	IIS	NU	2022-23	2023-24
Towards Tuition Fee for the Employees' Dependent Children	22.03	7.81	2.91	1.20	2.38	1.10	0.12	0.65	0.00	1.50	<b>37.93</b>	<b>39.70</b>
Towards Hospitalization	9.83	2.91	0.00	0.36	8.18	0.00	0.00	0.97	0.00	0.40	<b>26.03</b>	<b>22.65</b>

Towards Purchase of Books/ Magazine/ Subscription of Journals / Memberships	9.33	2.79	1.58	0.35	1.20	0.64	0.43	0.25	0.00	0.00	14.01	16.57
Towards LTC/HTC	10.96	3.41	1.37	0.48	1.54	0.60	0.26	0.40	0.00	0.88	17.67	19.90
Towards Recreation Activities	0.03	0.44	0.35	0.08	0.22	0.21	0.10	0.17	0.00	0.47	3.40	2.07
Towards Medical Allowances	35.22	13.29	5.23	1.93	5.48	2.53	0.82	1.46	0.00	2.38	43.15	68.34
Towards Transportation / Telephone	132.30	34.56	16.84	5.91	24.89	10.14	7.08	10.49	0.62	12.88	240.35	255.71
<b>Total</b>	<b>219.70</b>	<b>65.21</b>	<b>28.28</b>	<b>10.31</b>	<b>43.89</b>	<b>15.22</b>	<b>8.81</b>	<b>14.39</b>	<b>0.62</b>	<b>18.51</b>	<b>382.54</b>	<b>424.94</b>

### Libraries

Nirma University has eight Institutes and each Institute has its own Library. The details of books, journals etc. in the libraries during the year 2022-23 & 2023-24 are given below:

### Books

Details of books added during the year 2023-24 and total as on 31.03.2024 in Technical and Science, Humanities subject:

Table No. 22

Name of the Institute	Number of Books for Technical subjects during the year 2023-24				Number of Books for Science & Humanities during the year 2023-24			
	Number of Titles & Volumes added during the year		Cumulative Total No. of Titles & Volumes as on 31.3.2024		Number of Titles & Volumes added during the year		Cumulative Total No. of Titles & Volumes as on 31.3.2024	
	Title	Volumes	Title	Volumes	Title	Volumes	Title	Volumes
IT-NU	173	308	30898	49754	143	178	10992	12776
IM-NU	158	158	23186	24954	159	159	17531	18994
IP-NU	68	159	3698	6080	17	17	2534	3895
IS-NU	41	53	1288	1455	10	11	1071	1275
IL-NU	415	543	9639	11920	255	289	2919	3380
IAP-NU	65	116	3295	3872	29	29	332	346
IC-NU	19	19	514	514	2	2	3	3
ID-NU	244	244	1353	1381	10	11	224	227
<b>Total</b>	<b>1183</b>	<b>1600</b>	<b>73871</b>	<b>99930</b>	<b>625</b>	<b>696</b>	<b>35606</b>	<b>40896</b>

Table No. 23

Institutes	Total (Taken all types of Books)							
	Total Titles & Volumes added during the year				Cumulative Total No. of Titles & Volumes as on			
	Titles		Volumes		Titles		Volumes	
	2022-23	2023-24	2022-23	2023-24	31.03.23	31.03.24	31.03.23	31.03.24
IT-NU	288	316	448	486	41574	41890	62044	62530
IM-NU	393	317	397	317	40400	40717	43631	43948
IP-NU	76	85	175	176	6147	6232	9799	9975
IS-NU	49	51	61	64	2308	2359	2666	2730
IL-NU	629	670	689	832	11888	12558	14468	15300
IAP-NU	212	94	226	145	3533	3627	4073	4218
IC-NU	57	21	57	21	496	517	496	517
ID-NU	38	254	42	255	1323	1577	1353	1608
<b>Grand Total</b>	<b>1742</b>	<b>1808</b>	<b>2095</b>	<b>2296</b>	<b>107669</b>	<b>109477</b>	<b>138530</b>	<b>140826</b>

**Journals**

Table No. 24

Institutes	Number of Periodicals / Journals during the year 2023-24		Material which includes CD's / Cassettes other Audio-visual Materials	
	Added during the year 2023-24	Cumulative total as on 31.3.24	Added during the year 2023-24	Cumulative total as on 31.3.24
IT-NU	43 Online	79 Printed + 803 Online	-	601
IM-NU	320 Online	141 Printed + 10240 Online	3	1226
IP-NU	-	23 Printed + 98 Online	-	47
IS-NU	-	3 Printed + 554 Online	-	01
IL-NU	-	28 Printed + 3666 Online	20	642
IAP-NU	5 Print	12 Printed + 413 Online	7	86
IC-NU	-	8 Printed	-	16
ID-NU	-	-	-	8
<b>Total</b>	<b>5 Printed +363 Online</b>	<b>294 Printed +15774 Online</b>	<b>30</b>	<b>2627</b>

**Programme Organised by IQAC/ DRI**

Table No. 25

Sr. No.	Name of the Programme	Duration of the Programme	Number of Beneficiaries
1	Creating a Strong Nation with Robust Education Policy by Dr Avinash Chandra Pandey, Director, Inter-University Accelerator Centre	17 <sup>th</sup> April, 2023	100
2	Faculty Induction Programme	29 <sup>th</sup> May, 2023 to 27 <sup>th</sup> June, 2023	51
3	Two-week workshop on Academic and Creative Writing	19 <sup>th</sup> June-1 <sup>st</sup> July, 2023	17
4	Recent Trends and Industrial Practice in Electrical Engineering	3 <sup>rd</sup> to 14 <sup>th</sup> July, 2023	17
5	Artificial Intelligence Applications in Civil Engineering	3 <sup>rd</sup> to 14 <sup>th</sup> July, 2023	20
6	Deep Learning: Concepts to Development	10 <sup>th</sup> to 22 <sup>nd</sup> July, 2023	33
7	Machine Learning for Electronics Engineers	3 <sup>rd</sup> to 14 <sup>th</sup> July, 2023	14
8	Advanced Research Methods and Data Analysis	12 <sup>th</sup> to 24 <sup>th</sup> June, 2023	16
9	Integration of Sustainable Developmental Goals in Pharmaceutical Education	15 <sup>th</sup> July, 2023	27
10	Expert Talk on Role of Academics for Building a Sustainable Society by Shri. Chittaranjan Sarangi, Honorary Chief Executive, Mission for Application of Science & Technology for Plants and Land Management, Dept. of Science & Tech., Govt. of Odisha	8 <sup>th</sup> August, 2023	100
11	Felicitated Shri. Nilesh M. Desai, Director, SAC-ISRO for his exemplary leadership and outstanding contribution in Chandrayaan-3	16 <sup>th</sup> September, 2023	250 +
12	One-day Faculty Induction Training Programme for Newly Recruited Faculty Members	21 <sup>st</sup> October, 2023	15
13	Training Programme on Shodh-Chakra Platform of INFLIBNET	16 <sup>th</sup> December, 2023	250 +
14	Expert Talk on Fulbright Fellowship Opportunities to the U.S for Indian Citizens by Dr. Ryan Pereira Regional Officer, United States-India Educational Foundation, Fulbright Commission in India	5 <sup>th</sup> March, 2024	100
15	Seminar on Cyber Security by Bhoomika Pathak, Managing Director, Cyber Octet Pvt. Ltd.	16 <sup>th</sup> March, 2024	50
16	Hosted a meeting with international education administrators from various universities in the U.S	19 <sup>th</sup> March, 2024	20

**MoUs Signed**

<b>Sr. No.</b>	<b>Name of the Organizations</b>	<b>Date of MoU's Singn</b>
1	MoU with Gujarat Biotechnology Research Centre (GBRC), Gandhinagar	20 <sup>th</sup> July, 2023
2	MOU with Information and Library Network Centre, Gandhinagar for Shodhchakra	6 <sup>th</sup> September, 2023
3	MoU with Gujarat Institute for Development Research (GIDR), Ahmedabad	6 <sup>th</sup> January, 2024



**Details of Meetings of the authorities of the University**

<b>Sr.</b>	<b>Authorities of the University</b>	<b>Dates of Meeting</b>
1.	Board of Governors	22.09.2023, 30.03.2024
2.	Academic Council	20.05.2023, 12.09.2023, 12.03.2024
3.	Finance Committee	08.09.2023, 21.03.2024
4.	Faculty of Technology & Engineering	04.08.2023, 14.02.2024
5.	Faculty of Management	11.08.2023, 16.02.2024
6.	Faculty of Pharmacy	10.08.2023, 12.02.2024
7.	Faculty of Science	22.08.2023, 14.02.2024
8.	Faculty of Law	08.08.2023, 15.02.2024
9.	Faculty of Architecture & Planning	28.08.2023, 19.02.2024
10.	Faculty of Commerce	24.08.2023, 13.02.2024
11.	Faculty of Design	14.08.2023, 20.02.2024
12.	Faculty of Doctoral Studies & Research	02/05/2023, 28/08/2023, 26/02/2024
13.	Boards of Studies under Faculty of Technology & Engineering	19 to 20.07.2023, 12 and 16.01.2024
14.	Boards of Studies under Faculty of Management	25.07.2023, 18.01.2024
15.	Boards of Studies under Faculty of Pharmacy	25.07.2023, 11.01.2024
16.	Boards of Studies under Faculty of Science	10.08.2023, 15.01.2024
17.	Boards of Studies under Faculty of Law	21.07.2023, 17.01.2024
18.	Board of Studies under Faculty of Architecture & Planning	24.07.2023, 25.01.2024
19.	Board of Studies under Faculty of Commerce	07.08.2023, 24.01.2024
20.	Board of Studies under Faculty of Design	03.08.2023, 24.01.2024
21.	Library Council	22.02.2024
22.	Student Welfare Board	05.05.2023

**Details of Recognition given as PhD Guides during the Year 2023-24**

**From Institutes of the University**

Sr. No.	Name	Discipline
1	Dr. Amit Kumar	Chemical Engineering
2	Dr. Narasimha Reddy Ravuru	Chemical Engineering
3	Dr. Kantesaria Naman Pranlal	Civil Engineering
4	Dr. Aparna Kumari	Computer Science & Engineering
5	Dr. Parita Rajiv Oza	Computer Science & Engineering
6	Dr. Jitali D. Patel	Computer Science & Engineering
7	Dr. Rajesh Gupta	Computer Science Engineering
8	Dr. Pooja Chaturvedi	Computer Science Engineering
9	Dr. Gohil Lata Amritlal	Computer Science Engineering
10	Dr. Chudasama Vipul Hasmukhbhai	Computer Science Engineering
11	Dr. Usha Patel	Computer Science Engineering
12	Dr. Jain Prateek	Electronics & Instrumentation Engineering
13	Dr. Kapadia Harsh Khodidas	Electronics & Instrumentation Engineering
14	Dr. Gohil Ashish Mulchand	Mechanical Engineering
15	Dr. Sanjib Bhattacharya	Life Sciences
16	Dr. Tanuj Gupta	Physics
17	Dr. Chaube Udit Jaiprakash	Pharmaceutical Chemistry
18	Dr. Dhameliya Tejas Manjitbhai	Pharmaceutical Chemistry
19	Dr. Gopal Natesan	Pharmaceutical Chemistry
20	Dr. Dhaivat Parikh	Pharmaceutics
21	Dr. Shah Mohit Prakash	Pharmaceutics
22	Dr. Richa Gupta	Pharmacology
23	Dr. Mithun Singh Rajput	Pharmacology
24	Dr. Gandhi Dipal Mahendrabhai	Pharmacognosy
25	Dr. Mehta Bhoomi Ruchit	Accounting & Finance
26	Dr. Joshi Nisarg Ajaybhai	Finance
27	Dr. Avani Vishal Raval	Finance Management
28	Dr. Ruchi Sao	Human Resource Management
29	Dr. Neeraj Kumar Gupta	Law
30	Dr. Shashank Chaturvedi	Law
31	Dr. Chhote Lal Yadav	Law
32	Dr. Amit Kumar Kashyap	Law
33	Dr. Arpit Sharma	Law
34	Dr. Gajjar Vibha Haresh	Architecture & Planning
35	Dr. Mokde Tanushri Kamble	Architecture & Planning

**From Institutes of Recognised Research Centre**

**Gujarat Biotechnology Research Centre (GBRC)**

Sr. No.	Name	Discipline
1	Dr. Madhvi Joshi	Life Science
2	Dr. Patel Amrutlal Kalubhai	Life Science
3	Dr. Singh Neeraj Kumar	Life Science

**Institute of Plasma Research (IPR)**

Sr. No.	Name	Discipline
1	Dr. Joydeep Ghosh	Physics

**Space Applications Center (SAC-ISRO)**

Sr. No.	Name	Discipline
1	Dr. Hemant Arora	Mechanical Engineering

## Candidates Awarded Degree of Doctorate (PhD) during the year 2022-23

Sr. No.	Student Name	Faculty	Topic
1	Patel Jayeshkumar Jasvantbhai	Technology & Engineering	Design for Non-linearity Improvement of Current Steering Digital to Analog Converter for Biomedical Applications.
2	Vaghela Hitensinh Baldevsinh	Technology & Engineering	Experimental and Numerical Studies for Hydraulic Performance Evaluation of Cable-in-Conduit Conductor in Superconducting Magnet Applications
3	Vini Dadijala	Technology & Engineering	Advanced Control of Power-Plant Coal Pulverizer
4	Arvind Sankhla	Technology & Engineering	Studies on Aluminium Based Metal Matrix Composites Fabricated by Powder Metallurgy
5	Parikh Vishal Umeshkumar	Technology & Engineering	Intelligent Video Analytics based Framework for Multi-view Video Summarization
6	Memon Shebazahamad Abdullatif	Technology & Engineering	Optimization of Hybrid Renewable Energy Systems for Standalone and Grid-Connected Scenrio
7	Preksha Pareek	Technology & Engineering	Enhancing Human Action Recognition using Machine Learning Techniques
8	Kateshia Jyotin Ashok	Technology & Engineering	Experimental Investigations on Solar Still using Phase Change Materials (PCM) and its Performance Prediction using Artificial Neural Network
9	Abhishek Swarnkar	Technology & Engineering	Experimental Studies on the Effect of Ultrasonic Field Application in Nucleate Pool Boiling Regime under Various Operating Pressures with R-141b as Working Medium
10	Gohil Ashish Mulchand	Technology & Engineering	Expermental Investigations on Ultrasonic Single Point Incremental Forming (USPIF)
11	Khalpada Purvish Narendrakumar	Technology & Engineering	Computational Models for Story Plot Generation and Summarization
12	Kapadia Harsh Khodidas	Technology & Engineering	Advanced imaging Techniques for Damage Characterization of Concrete
13	Chaudhari Kinjal Narenbhai	Technology & Engineering	Enhancing Stock Trend Prediction using Computational Intelligence Techniques
14	Prajapati Hiren M.	Technology & Engineering	Synthesis & Characterization of Megnetorheological Fluid for Design of Double Coil Force Actuator
15	Ritika Vivek Ladha	Technology & Engineering	Enhancing Attack Classification for Intrusion Detection Systems using Machine Learning Techniques
16	Dhwanilnath Gharekhan	Technology & Engineering	Modelling of Land Surface Net Radiation Under Different Sky Conditions Using Satellite Data
17	Joshi Darshna Manojkumar	Technology & Engineering	Analysis of Signal Transduction Network for Insulin Signaling Pathways
18	Rajesh Gupta	Technology & Engineering	Secure Resource Allocation Framework For Device-to-Device Communication
19	Shailja Verma	Science	Isolation and Evaluation of Ferula Asafoetida Volatile Oil for Anti-hepatocarcinogenic Potentital
20	Patel Naisargee Sharad	Science	Swertiamarin Nanoformulation Confers Moderate Protection Against Malaria Infection
21	Champaneria Akshita Akshay Kavita	Science	Preferential Utilization of Sugars and Their Effect on Phosphate Solubilization in Rhizobium sp. RM

22	Yadav Nandini Madhusudan	Science	Spectroscopic Investigation of Neutral and Impurity Dynamics in the Edge Region of Aditya-U Tokamak
23	Patel Divyang	Pharmacy	Phytochemical Analysis & Anti Obesity Activity of Herbal Extracts
24	Singh Gopeshkumar Rajaram	Pharmacy	Design, Development And Evaluation Of Controlled Release Formulations Of Freely Water-Soluble Drugs
25	Prashant Ranjit Thakkar	Pharmacy	Design & Optimization of Taste Masking Processes for Bitter Tasting Drugs
26	Patel Pankti Shammikumar	Pharmacy	Investigation of Effect of Metformin and Hesperidin in Combination with Doxorubicin in Experimentally-induced Brest Cancer
27	Mirza Anwarbaig Chandbaig	Pharmacy	Pharmacological Evaluation of Phenolic Acids in Neonatal Streptozotocin (nSTZ) Induced Type 2 Diabetes Mellitus Associated Complications
28	Tripti Halder	Pharmacy	Sialic Acid Conjugated Cationic Nanostructured Lipid Carrier Loaded with Natural Bioactives for the Management of Alzheimer's Disease.
29	Mehta Chirag Chimanlal	Pharmacy	Design, Synthesis and Biological Evaluation of Novel Substituted 4H-1,2,4 Triazole Derivatives as Anticancer Agents
30	Dahiya Sandeepkumar	Pharmacy	Formulation Design for Improvement of Performance Characteristics of BCS-IV Drugs
31	Kulkarni Rupali Vibhakar	Management	A Comparative Study of Effectiveness of Online Recruitment in Manufacturing and Service Sector in Nashik
32	Amandeep Kaur Sidhu	Management	Role of Non-Monetary Services of Venture Capitalists in Entrepreneurial Firm Performance.
33	Manjari Mundanad	Management	Role of Perceived Innovation Characteristics and Information Quality on Perceived Usefulness in Adoption of Technological Products.
34	Smita Madhavan Pillai	Management	A Moderated-Mediating Effect of Quality of Work-Life on the Impact of Psychological Capital on Organizational Citizenship Behaviour and Intention to Stay
35	Jathal Keyur Kamlesh	Management	Adoption of Digital Health Initiatives in Chronic Disease Segment in Patient Engagement Domain by Pharmaceutical Companies: Triggers and Impact
36	Sanjay Kumar Tripathi	Management	Advanced Planning Systems for Supply Chain Transformation: A Study of Indian Manufacturing Industry
37	Dahagam Srikanth Sambamurthy Premalatha	Management	Talent Management Strategies With reference To Sales Force in Indian Pharmaceutical Industry
38	Biswarup Chatterjee	Management	A Study on Impact of Social Media Influencer on Consumer Decision Making: An Empirical Investigation in Indian Context
39	Shah Dipesh Rameshbhai	Management	International Financial Services Centre - Determinants of Successful with Special Reference to India:
40	Gunjan Sood	Management	Supply Chain Analytics: An Intergrative View of Enablers and Impact on Performance
41	Nishant Agrawal	Management	Impact of Resilience, Disruption and Ambidexterity on Supply Chain Performance
42	Aanchal Singh	Management	Essays on ESG Reporting: Identifying and Analysing the Key Indicators and Measuring Its Impact on Firm Performance

43	Renuka Kumawat	Management	Environmental, Social and Governance (ESG) Disclosures and Firm Value: The Role of Earnings Quality
44	Gajjar Vibha Haresh	Architecture	Role of Green Cover in Sustaining Urban Ecology of cities - A case of Land use Planning in Ahmedabad.

## Convocation

Nirma University held its 32<sup>nd</sup> Convocation Ceremony on November 4, 2023, where 2,876 students from various institutes of the University received their degrees. The Chief Guest for the occasion was Shri CP Gurnani, Managing Director and Chief Executive Officer of Tech Mahindra Ltd. Dr Karsanbhai K Patel, President, Nirma University, presided over the event.

The details of awardees are as under:

Faculty	Number of Degrees Awarded
<b>Faculty of Technology and Engineering</b>	
PhD	18
M. Tech	136
MCA	70
B. Tech	1113
B. Tech (Manufacturing Technology)	30
<b>Faculty of Management</b>	
PhD in Management	13
MBA	292
MBA (HRM)	28
MBA (Family Business and Entrepreneurship)	48
Integrated BBA-MBA	68
BBA	219
<b>Faculty of Pharmacy</b>	
PhD	8
M. Pharm	55
B. Pharm	123
<b>Faculty of Science</b>	
PhD	4
MSc	73
<b>Faculty of Law</b>	
Master of Laws (LLM)	20
BA. LLB (Hons) Five Year Integrated Programme	120
BCom. LLB (Hons) Five Year Integrated Programme	104
<b>Faculty of Architecture &amp; Planning</b>	
PhD	1
B. Arch	72
B. Plan	01
<b>Faculty of Commerce</b>	
B. Com (Hons)	172
<b>Faculty of Design</b>	
B. Design	88
<b>Total</b>	<b>2876</b>

**Institute  
of  
Technology**

## **Institute of Technology**

### **INDEX**

<b>Sr. No</b>	<b>Particulars</b>	<b>Page</b>
<b>1</b>	<b>Outstanding Achievements and important activities</b>	<b>24 – 42</b>
<b>2</b>	<b>Curricular Aspects</b>	<b>42 – 44</b>
<b>3</b>	<b>Teaching-Learning and Evaluation</b>	<b>44 – 46</b>
<b>4</b>	<b>Research, Consultancy and Extension</b>	<b>46 – 77</b>
<b>5</b>	<b>Infrastructure and Learning Resources</b>	<b>77 – 85</b>
<b>6</b>	<b>Student Support and Progression</b>	<b>85 – 109</b>



### Outstanding Achievements and important activities

**NBA Accreditation:** The validity of NBA accreditation for the UG programmes under Chemical Engineering, Mechanical Engineering, Computer Science & Engineering and Electronics & Communication Engineering is up to June 30, 2025. The preparations for the third cycle of NBA accreditation are in progress. For UG programmes under Civil Engineering, Electrical Engineering and Electronics and Instrumentation Engineering, the NBA accreditation validity is up to June 30, 2026.

**Placements:** The undergraduate student of Computer Science and Engineering at the Institute of Technology received a package of Rs.50.52 lakhs per annum.

### Rankings

- › The Institute of Technology ranked in the rank band of 101-150 by the National Institutional Ranking Framework (NIRF) by the Ministry of Education (MoE), Government of India, in 2023.
- › According to India Today – The Best Colleges of India 2023 Survey, the Institute of Technology ranked 13<sup>th</sup> Best Private Engineering Colleges in India and 3<sup>rd</sup> Best Private Engineering Colleges in the Western Region.
- › According to CSR-GHRDC Rankings - Competition Success Review – India’s Top Engineering Colleges 2023, the Institute of Technology ranked:
  - 1<sup>st</sup> Top Leading Engineering Colleges of Super Excellence
  - 4<sup>th</sup> among Top 20 Engineering Colleges for Faculty, Research, Consultancy, EDP, and other Programmes
  - 4<sup>th</sup> among Top 20 Engineering Colleges for Placements, USP, Social Responsibility, Networking and Industry Interface
- › According to The Week-Hansa Survey 2023, the Institute of Technology ranked:
  - 38<sup>th</sup> Best Engineering Colleges in India
  - 2<sup>nd</sup> Best Private Engineering Colleges in the West Zone
- › According to Education World Private Engineering Colleges Ranking 2023-24, the Institute of Technology ranked:
  - 23<sup>rd</sup> in the top 100 Private Engineering Colleges
  - 2<sup>nd</sup> in Gujarat State Private Engineering Colleges
- › According to The Times of India: Times Engineering Institute Ranking Survey 2023, the Institute of Technology ranked:
  - 38<sup>th</sup> among top 125 Private Engineering Institutes in India

### Major Events Organised

- › The five departments of the Institute of Technology organised a 2-week STTP for the upgradation of knowledge and getting insight into technological developments taking place in different domains of Engineering and Technology. Faculty members, professionals and research scholars from various domains participated in the STTPs during July 03-14, 2023. These STTPs are supported by Indian Society for Technical Education (ISTE) and are conducted on the auspices of IQAC of Nirma University.
- › UG research symposium was organized by Student Research Cell (SRC), Institute of Technology on March 30, 2024 where about 160 students participated. EE department SRC organized an idea

presentation in the form of poster/review paper on the same day. A total of 11 posters and 03 papers were presented and reviewed by Dr. Amit Sant, Associate Professor, PDEU.

- › Dr. Ajay Chaurasia, Chief Scientist at CSIR - Central Building Research Institute (CBRI), Roorkee, took a session on research opportunities in Civil Engineering on March 29, 2024. Through a comprehensive overview of CBRI diverse research domains and collaborative ventures, Dr. Chaurasia underscored the institute's commitment to addressing contemporary challenges in the field. Emphasizing the importance of interdisciplinary collaboration and sustainability, he highlighted emerging research areas such as disaster mitigation, seismic-resistant design, and innovative construction technologies.
- › Dr. Rita Li Associate Professor, Department of Economics and Finance, Director, Sustainable Real Estate Research Center Hong Kong Shue Yan University delivered an expert lecture on “Use of AI in Construction Safety Management” to B Tech semester VI and M Tech semester II & IV (CTM) on March 03, 2024.
- › Dr. Albert Thomas, Associate Professor, Civil Engineering, IIT Bombay delivered an expert lecture on “Sustainable Infrastructure Management” to B Tech semester VI and M Tech semester II & IV (CTM) on March 22, 2024.
- › Vidhyut Adbhutam '23 - Vidyut.vidya.vigyan was organised on September 01-02, 2023. The theme for the event was Impeccable Innovation. Multiple technical and non-technical events were organised under the banner of Vidyut Adbhutam'23. More than 150 students participated in various events. Mrs Rajal H. Patel the CEO and founder of ALTENMO Technologies was the Chief Guest of the inaugural ceremony.
- › The Department of Electronics and Communication Engineering organised a workshop on “VLSI Chip Design using Cadence” during May 05-06, 2023. More than 35 participants participated in the workshop. The workshop was dedicated to custom IC design, introduced the various VLSI Design tools and their usage and covered the custom IC design flow and the ASIC design flow.
- › The Department of Electronics and Communication Engineering organised a workshop on “RISC V Roadshow” in collaboration with India Electronics and Semiconductor Association (IESA) and E-infochips on July 26, 2023.
- › The Department of Electronics and Communication Engineering organized an STTP on “Machine Learning for Electronics Engineers” from July 03 to 14, 2023. The topics covered included Overview of Artificial Intelligence, Basics of Machine Learning, Types of Machine Learning approaches and Applications of ML in real-life, Statistics for machine learning, Supervised and unsupervised machine learning approaches, Reinforcement Learning basics, various algorithms and models, applications, Implementation in Python, Libraries like Numpy, Pandas and libraries for data visualisation and plotting, Neural Networks, Perceptron Learning, Feed Forward Neural Networks, Understanding Convolutional Neural Networks, Convolution & Pooling operations, Dropout, Batch Normalization, Image Classification with Localization, Object Detection and demonstrations.
- › The Department of Electronics and Communication Engineering organised 9th International Symposium on Smart Electronics Systems “iSES-2023” from December 18-20, 2023. The Symposium saw a plethora of researchers, academicians, industry experts and professionals from the domain of Smart Electronics Systems, Internet of Things (IoT) and Cyber Physical Systems (CPS) come together and present their works and indulge in fruitful technical discussions and exchange of knowledge.
- › The Department of Electronics and Communication Engineering organised the 2nd International Conference on Recent Advancements in Materials Science and Nanotechnology (RAMAN-2024) from March 28-30, 2024. Around 95 participants from various parts of India and abroad (including Argentina, Italy, the USA, and Sri Lanka) presented their research findings on materials science

and nanotechnology. SERB, under the Department of Science and Technology (DST), has supported the event financially by giving Rs. 1,00,000/-.

- › The Centre of Excellence in Data Science established at the Department of Computer Science and Engineering organised the 4th online National level Hackathon (MINEd) from February 29 to March 02, 2024, in collaboration with SUNY Binghamton University, USA. In this 48-hour-long hackathon, there were three track sponsors, namely, Cactus Labs, Intech Creative Services, and Revelio Labs. Binghamton University declared a grand prize of \$1000. 224 teams participated in the Hackathon with 1180 individual registrations from across 20 states of India.
- › The Computer Society of India (CSI), the student branch, Institute of Technology, in association with the CSE department organised the annual HackNUthon, a 36-hour hackathon where innovation and problem-solving took centre stage on April 29 and 30, 2023. HackNUthon provided a platform for the participants to showcase their technical and creative skills, taking the help of various technologies to create innovative solutions. Over 600 participants, ranging from hackathon veterans to budding newbies, formed teams and explored the challenges presented by leading companies. Beyond the thrill of competition, HackNUthon ensured an environment of learning and teamwork. Participants had several opportunities to connect with industry professionals, creating lasting relationships within the tech community.

### **Academic Activities**

- › A National Seminar on “Emerging Trends in Space Technology - Soil to Sky” was organized on August 05, 2023, by the Civil Engineering Department. The speakers discussed a wide range of topics, including the development and testing of satellite vehicles, the use of space technology for engineering research, and the commercial potential of space.
- › The Department of Civil Engineering organized a Two-Day Workshop on Digital Tools for Civil Engineering Applications in hybrid mode under the Centre for Continuing Education on September 16 & 30, 2023. The core aim of the workshop was to offer foundational training in the various software tools to the students, empowering them to enhance their engineering prowess. This workshop served as a stepping stone, providing them with the initial skills to delve further into these software applications and continue their independent learning journey
- › A three-day workshop on Building Information Modelling for Construction Project Management, held on March 2nd, 16th and 30th, 2024 was jointly organized by the Civil Engineering Department, Institute of Technology, and the Institute of Architecture and Planning under Center for Continuing Education at Nirma University. 85 students from both institutes participated, gaining valuable insights into this emerging technology.
- › The Department of Civil Engineering has achieved a milestone by securing a grant of Rs. 4.22 crores from the National Technical Textiles Mission (NTTM), a Government of India initiative. Of the total amount, Rs.3.92 crore has been earmarked for the establishment of the “Centre of Research in Geotechnical Textiles”. The Center will have facilities to test mechanical, hydraulic and endurance properties of geotextiles. It is also envisaged to investigate the soil-geotextile interaction for various infrastructure application. This centre will be poised to become hub of research, experimentation and hands-on learning. A sum of Rs.30 lakhs has been allocated to support the training of faculty and staff members of the department. This would enable the department to impart the knowledge of geotextiles and their applications to the students and professionals through curricular teaching, seminars and workshops.
- › Department of Electrical Engineering organized CCE programme titled “Application of AI in Electrical Engineering” on July 29-30, 2023 in hybrid mode. Dr. Soumesh Chatterjee delivered lecture and laboratory sessions on applications of artificial intelligence in electrical engineering using MATLAB.

- › Department of Electrical Engineering organized CCE programme titled “Control of Grid Connected PV System” on September 16, 2023. Dr. Abhisek Parida and Prof. K. V. V. Satyanarayana delivered lecture and laboratory sessions using MATLAB.
- › The Department of Electronics and Communication Engineering organised a seminar on “About the company and opportunities at Synopsys (session specially for girl students)” on November 02, 2023. Ms. Asha Ramachandran and the Synopsys Team were invited to deliver the lecture for B.Tech. Semester V and VII students.

### **Memorandum of Understanding (MoUs) Executed**

MoUs signed with following Institutions and Industries for collaborative research and to provide sharing of best practices to students during April 01, 2023 to March 31, 2024.

- › CSIR-Central Building Research Institute, Roorkee on March 29, 2024.
- › Mitsubishi Electric India Private Limited on April 01, 2023 and February 22, 2024.
- › Bureau of Indian Standards on December 14, 2024.
- › Indian Air Force Represented by 17 Tetra School on January 25, 2024.
- › Yudiz Solutions Ltd. on December 22, 2023.
- › Centre of Excellence for Composite Asia on December 16, 2023.
- › Secure Meters Ltd. on September 25, 2023.
- › Adani Power Limited on August 18, 2023.
- › Ekoching on May 20, 2023.
- › Sardar Vallabhbhai National Institute of Technology on April 07, 2023.
- › Sahajanand Technologies Pvt. Ltd. on April 03, 2023.

### **Awards and Honours**

#### **Faculty Awards and Achievements**

- › Prof. Shebaz A Memon, Mechanical Engineering department was awarded the ISTE Gujarat - M. C. Bhavsar Award for Innovative Work in the Area of Renewable Energy. He was honored with the award during the inaugural ceremony of the 26th State Annual Faculty Convention and Conference held on April 27, 2023 at Indus University, Ahmedabad.
- › Dr. Reena R. Trivedi, Mechanical Engineering department has received Senior Laureate Award for mentorship category of the WAAH Science Laureate Awards 2023 held on January 06, 2024 at Vikram A Sarabhai Community Science Centre, Ahmedabad.
- › Prof. Vishal Mehta and Prof Darshita Shah, Mechanical Engineering department have won Best Paper Presentation Award in International Conference on Robotics, Intelligent Automation and Control Technologies (RIACT) -2023 on October 22, 2023 for the paper “Two-way Fluid Structure Interaction (FSI) Simulation Analysis of Soft Pneumatic Linear Actuator (SPLA) for Soft Robotics System.”
- › Patent filed by Dr. Mihir Chauhan, Mechanical Engineering department is granted titled “An Improved Anti-mine Vehicle with Vertical Blast Ventilation” Other Investigators include Dr. Kunal Ghosh, Mr. Bhaumik Patel and Mr. Abhijitsingh Thakor.
- › Research proposal of Rs.75,000 for Minor research by Dr Shibu G Pillai-Chemical Engineering department, Dr Urmil Dave-Co-PI of Civil Engineering department and Manish Kuchya (Ph. D student) was approved by Centre of Excellence - Green Technologies for sustainable development supported by Sajjan India Limited.

- › Research proposal of Rs.75, 000 for Minor research by Dr. Nimish Shah, Dr. Mamta Saiyad, and Dr. Sandip Sharma of Chemical Engineering department was approved by the Centre of Excellence - Green Technologies for Sustainable Development supported by Sajjan India Limited.
- › Dr. Amita Chaudhary and Dr. Milind Joshipura of Chemical Engineering department received a project worth Rs.10 Lakh from the Department of Climate Change, Gujarat.
- › Dr. Mamta Saiyad, Chemical Engineering department received a consultancy project worth Rs.4,00,000/- on the title Nickel coated carbon fiber composite from Creative Fibre Products Pvt. Limited.
- › Dr. Amit Kumar, Chemical Engineering department secured an Indian patent for his patent proposal “Intelligent seawater separation (salt and fresh water) process and procedure”.
- › Dr. Mamta Saiyad secured Indian patent on “Radiation Hardened Epoxy/Graphite Polymer Composite”.
- › Dr. Nimish Shah, Chemical Engineering department published an Indian patent on "A Method and Composition of Copolymer as Super disintegrant for Oral Administration of Drugs" as principal investigator.
- › Prof. Arth J. Patel, Dr. Sharadkumar P. Purohit of Civil Engineering department and student Mr. Vardhan Garg (17MCLC13) of Civil Engineering department, have been awarded the Arthur Cotton Memorial Prize by the Institution of Engineers (India) for their research contribution titled "Experimental Investigations on Axial-Flexural Behaviour of Slender Concrete Filled Steel Tubular Columns" published in the Journal of the Institution of Engineers (India): Series-A, Vol. 103 (4), 1089-1100, 2022. The award was presented during the Prize Distribution Ceremony of the 38th Indian Engineering Congress held at Jabalpur (MP) on December 27, 2023.
- › Dr. Indrajeet Kumar of Civil Engineering Department, has received the best presentation award for his oral presentation titled “Evaluation of coexisting ions on arsenic adsorption using CuO nanoparticles in aqueous solution” in the 3rd International Conference on Advances in Water Treatment and Management (ICAWTM-24) on March 02, 2024, organized by School of Technology, Pandit Deendayal Energy University, Gandhinagar, Gujarat.
- › A Process Patent by Dr Amar Kumar Barik of the Electrical Engineering department, titled “A system for integrated resource planning in distributed microgrids based on sustainable energy”, patent number DE202023100612U1, was issued on April 27, 2023.
- › A Process Patent by Dr Amar Kumar Barik of Electrical Engineering department, titled “A proficient frequency regulation system for microgrid operations”, patent number: ZA202301493B, was issued on May 31, 2023.
- › A Process Patent Dr Amar Kumar Barik, Electrical Engineering department, titled “A coordinated hybrid microgrid system with quasi-oppositional selfish-herd optimization”, patent number: ZA202301491B, was issued on May 31, 2023.
- › Four faculty members from CSE, Dr. Sudeep Tanwar, Dr. Ankit Thakkar, Dr. Rajesh Gupta, and Dr. Umesh Bodkhe, Computer Science & Engineering department have been featured in the World’s Top 2% Scientists list by Stanford University in October 2023.
- › Dr. Ankit Thakkar, Computer Science & Engineering department has been honoured with the prestigious ISTE Gujarat-Vadodara Institute of Engineering award for Best Faculty in Computer Engineering, U.G. Programme, for the year 2021-22, the award was presented at Indus University, Ahmedabad, on April 27, 2023.
- › Indian process Patent titled “Renewable Energy-Based Smart Dustbin with Auto Cleaning Facility for Sensors and Solar Panels” by Investigators Dr. Smita Agrawal, Dr. Parita Oza, Dr. Sudeep Tanwar, Dr. Madhuri Bhavsar, Computer Science & Engineering department and student of CSE Mr. Shrey Patel was published on July 29, 2023.
- › Indian process Patent titled “Smart Traffic Management Using Sensor-Driven Red Signal Camera Capture System by investigators” was published by Dr. Smita Agrawal, Dr. Parita Oza, Dr. Sudeep

Tanwar, Ms Nishika Shah, Mr. Shrey Patel and Ms. Prerna Halari, Computer Science & Engineering department on December 04, 2023.

- › Indian process Patent titled “Smart Travelling Bag” was published by investigators Dr. Sudeep Tanwar, Dr. Lata Gohil, Dr. Tarjni Vyas, Prof. Anuja Nair, Prof. Shivani Desai, Mr. Tirth Patel and Mr. Milan Ghoghari, Computer Science & Engineering department in October 2023.
- › Dr. Aparna Kumari, Computer Science & Engineering department received a prestigious international award Shri Pralhad P Chhabria Awards–2023 under the category of “Best Woman Professional (Early Career) – Runner Up” from Hope Foundation and Research Centre, Pune, IEEE India Council, WiE Affinity Group, IEEE Pune Section on December 15, 2023.
- › Dr Ankit Thakkar, Computer Science & Engineering department, Dr Richa Mishra, Department of Humanities and Social Sciences, Dr Varsha Ganguly, Institute of Law and Dr Aparna, Institute of Architecture, Nirma University was awarded major research grant from ICSSR for the multidisciplinary Digital Humanities project “Retelling, Researching and Reliving the Stories of Tribal Valour and Heroism: Heroes of Mangarh” on September 1, 2023. This was selected under the Special Call for Studies of the Culture, History, and Geography of the Scheduled Tribes of India under ICSSR Research Project.
- › Dr Saurin Parikh, Computer Science & Engineering department was elected as the Convener of Working Group-1 (WG1) of the Sub-committee SC-43 of ISO/IEC that is formed at International level to develop the Brain Computer Interface (BCI) standards in April 2023. The WG1 is developing the foundational standards of BCI and has 80+ experts from 11+ participating countries and 9 observer countries. Dr Parikh is also a member of WG2 and WG5 that are developing the technical report of the BCI use cases and the BCI data standard respectively. He is also selected as one of the members of the LITD-37 committee of the Bureau of Indian Standards (BIS) in May 2023 that is formed at the National level to represent India’s viewpoint at the ISO/IEC SC43 subcommittee formed at the international level for developing the BCI standards.

## Dignitaries visited

### International Dignitaries visited during the year 2023-2024

Name of the Dignitary	Designation and Organisation	Purpose	Date
Prof. Paul Chiarot	Head of the Mechanical Engineering Department at Binghamton University, USA	Interacted with the faculty members and students of Nirma University. He shared information about the opportunities and future possibilities at Binghamton University	March 15-16, 2024
Dr. Darshil R. Patel	Research Scientist, Binghamton University, USA	To deliver an expert talk on Application of Artificial Intelligence (AI) techniques to improve traditional design approaches for B.Tech Sem- VI (Mechanical Engineering) students	February 02, 2024
Mr. Badri Patel	Executive, Jhonson Controls, Canada	To deliver expert talk on current trends and future opportunities in the field of HVAC for the students of B.Tech Sem- VI (Mechanical Engineering) students	January 09, 2024

Ms. Cathy Fisher	Founder and President of Quistem, LLC., USA	Visited the Mechanical Engineering Department and had interactive discussion about the Future of Quality control and Management in the global manufacturing sector with the students and faculty members of the department	January 19, 2024
Mr. Bala Venkata Praveen Inala	Head HSE, Indorama Fergonaazot, Uzbekistan	Expert lecture on “Waste Management and Industrial Waste Reduction Techniques”	September 29, 2023
Ms. Keshu Lakhotia	Senior Food Scientist & NPD Lead, Harvest B, Sydney, Australia	Significance of fostering diversity in STEM education and careers	February 02, 2024
Dr. Martin Desimone	Professor and CONICET-Researcher National Scientific and Technical Research Council, University of Buenos Aires, Argentina	Expert lecture on “Interdisciplinary collaboration and gender equality in research”	February 27, 2024
Mr. Dhrudat Patel (P.E.)	Structural Engineer, Jacobs Engineering Group, Houston, US	Expert lecture for M. Tech. (CASAD) Sem. II & IV	April 07, 2023
Dr Dimitrios Kalliontzis	Assistant Professor, Department of Civil & Environmental Engineering, Cullen College of Engineering, University of Houston	Expert lecture for M Tech CASAD semester II & IV	April 28, 2023
Prof. Abhijit Mukherjee	Curtin University, Australia	Expert lecture in STTP	July 03, 2023
Prof. Sarel Lavy	Professor at Texas A&M University, USA	Expert lecture for B.Tech semester VII M Tech CTM	September 18-19, 2023
Dr. M Hastak	Professor, Purdue University	Expert lecture for B Tech Sem VI M Tech CTM Sem II and IV	February 26, 2024
Dr. Rita Li	Associate Professor, Department of Economics and Finance Director, Sustainable Real Estate Research Center Hong Kong Shue Yan University	Expert lecture for M Tech CTM Sem II and IV	March 04, 2024

Dr. Deepak Sharma	Associate Professor, California State University, USA	Expert lecture for M Tech CTM Sem II and IV B Tech VI	March 19, 2024
Dr. Cheng Lin	Associate Professor, Civil Engineering Department, University of Victoria, Canada	Expert lecture for B Tech IV	March 22 & 29, 2024
Dr. Nimit K. Sheth	Senior Manager, Neo Performance Materials (S) Pte Ltd., Singapore	Collaborative teaching	March 02, 2024
Prof. Rolf Drechsler	Professor and Head of the Group of Computer Architecture, Institute of Computer Science, University of Bremen, Germany	Keynote Speech: Automated Polynomial Formal Verification: Human-Readable - iSES 2023 (Through Online Platform)	December 18, 2023
Prof. Mircea Stan	Professor & Director of Computer Engineering Virginia Microelectronics Consortium (VMEC)	Keynote Speech: Breaking the Thermal and Power Delivery Walls for 3DIC - iSES 2023 (Through Online Platform)	December 19, 2023
Prof. Ron Demarra	Professor, Electrical and Computer Engineering, University of Central Florida, USA	Keynote Speech: Leveraging Spintronic Devices for Neuromorphic and Signal Processing at Edge of Network - iSES 2023 (Through Online Platform)	December 20, 2023
Dr Martín F. Desimone	Universidad de Buenos Aires Buenos Aires, Argentina	Engineering Antimicrobial Properties in 3D-Printed Collagen Scaffolds	March 28, 2024
Dr Hasitha Mahabaduge	Georgia State University, USA	Perovskite Solar Cells: Applications and Opportunities	March 28, 2024
Dr. Robert Pullar	Professor, Università Ca' Foscari Venezia, Italy	Cork-Derived Porous Biomorphic TiO <sub>2</sub> Eco-ceramics	March 29, 2024
Dr. Mauricio C. De Marzi	Universidad Nacional de Luján, Argentina	Immunomodulation effects of silica nanoparticles	March 29, 2024
Dr. Sivayini Kandepan	University of Sri Jayawardenepura, Sri Lanka	OMCVD and Bio-sensing of AuNPs	March 30, 2024
Prof. Mohamed Ellouze	Department of Physics at Sfax University, Tunisia	Experiment, mean-field theory and Monte Carlo simulations of the magnetocaloric effect in Manganites	March 30, 2024
Ms. Cathy Fisher	Founder and President of Quistem, LLC., United States of America	To deliver a talk on Applications of AI in Modern Processes	January 18, 2024



Dr. Sangwon Yoon	Professor, SSIE department at Watson College, SUNY Binghamton University, NY, USA	To deliver a talk on Applying Data Science & Analytics to Large-Scale System Design & Optimization	March 03, 2024
Mr. Tomohiro Yoshida	Director, Factory Automation and Industrial Division, Mitsubishi Electric, Japan	Mitsubishi ATC Meet-2024	February 22-23, 2024
Mr. Yuto Matsuzawa	Sr. Manager- Customer Service Department, Mitsubishi Electric, Japan	Mitsubishi ATC Meet-2024	February 22-3, 2024
Mr. Hayato Ikoma	Sr. Manager- Customer Service Department, Mitsubishi Electric, Japan	Mitsubishi ATC Meet-2024	February 22-23, 2024
Mr Valery Kostin	Cultural Exchange Expert, Russia	To deliver an expert lecture on “International Summer Camp Job Opportunity for the Youth and International Exchange Programmes” for B.Tech – VI	February 02, 2024
Mr. Shyamal Patel	Senior Vice President, Oura, USA	To deliver an expert lecture on “Research Avenues for Instrumentation and Automation Professionals” for B.Tech - IV & VI.	February 13, 2024
Dr. Rohit Thanki	Chief Technological Officer and Data Scientist, KRiAN GmbH, Wolfsburg, Lower Saxony, Germany	To deliver an expert lecture on “Deep Learning Architectures, Convolution Neural Network” and “Hyper-parameters tuning, Image segmentation and classification” for B.Tech - VII	October 05 & 12, 2023
Mr. Marty Bince	ISA Global President & Automation Business Development Manager, EECOL Electric, Calgary, Alberta, Canada	ISA Leaders’ Meet	September 13, 2023
Prof. Sarju Mohanty	Professor, Department of Computer Science and Engineering (CSE), University of North Texas (UNT), Denton, TX	Keynote Speech: Smart Healthcare - Cybersecurity Perspectives - iSES 2023	December 18, 2023
Prof Rajkumar Buyya	Director of Cloud Labs at The University of Melbourne, Australia	To Deliver a talk on Success Formula based on Gita Wisdom	April 27, 2023

**National Dignitaries visited during the year 2023-2024:**

<b>Name of the Dignitary</b>	<b>Designation and Organisation</b>	<b>Purpose</b>	<b>Date</b>
Dr Sundarraaj K	Dean at Kumaraguru College of Technology, Coimbatore	Visited the Mechanical Engineering Department and interacted with the faculty members of the department and presented a research talk titled “Exploring Opportunities for Industry-Academia Integration in the Defense Sector.”	February 18, 2024
Dr. Sanjay Agrawal	Professor, Bundelkhand Institute of Engineering and Technology, Jhansi	Expert talk on Recent trends in materials processing for the students of M.Tech Sem- II CAD/CAM and Design	April 03, 2023
Mr. Jaimin Desai	Group Director, EnTSG/ESSA, Space Application Center-ISRO, Ahmedabad	Expert talk on Developments in Technology for space application for the students of M.Tech Sem- II CAD/CAM and Design Engineering	April 12, 2023
Mr. Kashyap Ramaiya	Engineer- Projects Alstrut India Pvt. Ltd.	Expert talk on Current trends in Robotic automation for manufacturing industries for the students of M.Tech Sem- II CAD/CAM and Design Engineering	April 18, 2023
Ms. Sonal Desai	Ergo Energy LLP Energy & Sustainability Solution Provider, Certified Energy Auditor and Green Building Consultant	Expert talk on Energy saving in Compressor and HVAC System And Energy Modelling for the students of B.Tech Sem- VII (Mechanical Engineering)	September 14, 2023
Mr Rakesh Twari	Retired Head, Essar Power, Jamnagar	Expert talk on Opportunities and Future Role of Engineers in the Indian Power sector and practical aspects of a Thermal Power Plant for the students of Tech Sem- VII (Mechanical Engineering)	September 25, 2023
Mr. Jasmin Panchal	Head-HR, TATA Motors Ltd, Sanand	Expert talk on Opportunity for Mechanical Engineers and the Industrial Expectations for the	September 27, 2023

		students of B.Tech Sem- V (Mechanical Engineering)	
Mr. Pankaj Kumar	Vice President, PI Industries Strategic Sourcing & Special Projects	Expert talk on SCM from Industry for the students of B.Tech. Sem. VII (Mechanical Engineering)	September 29, 2023
Mr. Aashutosh Vyas	President, ISHRAE Ahmedabad Chapter	Expert talk on Career Opportunities in HVAC & R Field and ISHRAE activities for the students of B.Tech Sem- V (Mechanical Engineering)	October 25, 2023
Dr. Tapan Mankodi	Assistant Professor, IIT Guwahati	Expert talk on Thermal Protection Systems in Re- entry Vehicles for the students of B.Tech Sem- V (Mechanical Engineering)	October 26, 2023
Mr. Parthiv Shah	Director, DoctorC, Bengaluru, Karnataka	Expert lecture on Management studies & wider corporate job market options	July 18, 2023
Mr. Japen Gor	Director-Gor Renewable, Ahmedabad, Gujarat	Expert lecture on Overview on Solar cell	July 18, 2023
Mr. Survashish Chatopadhyay	Associate Manager, Ops Consulting & Transformation, Accenture, India	Expert lecture on Career paths after Engineering, with Focus on Operations and its Taxonomy	July 18, 2023
Ms. Surabhi Jain	Manager- Technical Services, Wacker Chemie India Pvt. Ltd., Mumbai	Expert lecture on Significance and Applications of Polymers (VAE) in Industry	August 28, 2023
Mr. Darrell Merchant	Technical Manager, Environ, Ahmedabad, Gujarat	Expert lecture on Practical aspects of Air Pollutant monitoring	September 04, 2023
Dr. Uma Harikrishnan	Shree Uma Industries, Naroda, Ahmedabad, Gujarat	Expert lecture on Heterocycles and its application	September 26, 2023
Mr. M N Vyas	Retired Officer from GSFC, Vadodara, Gujarat	Expert lecture on Practical aspects of Plant design project management	September 27, 2023
Mr. Pankaj Kumar	Vice President, Strategic Sourcing and Special Project, PI Industries, India	Expert lecture on Analogue Placement	September 29, 2023
Mr. Himanshu Bhutia	Environment Incharge, Aarati Industries, Bharuch, Gujarat	Expert lecture on Industrial Wastewater Treatment	September 30, 2023

Mr. Ronak Soni	DGM-Process at ZEPPELIN System India Pvt. Ltd., Vadodara, Gujarat	Expert lecture on Hydrogen networking (Online mode)	October 04, 2023
Mr. Umesh Morey	Director & Co-Founder, Engimates Resources & Energy Pvt Ltd, Vadodara, Gujarat	Expert lecture on Refinery configuration, Crude and Product specifications	October 17, 2023
Ms. Nidhi Mehta	Asst. Professor, LJ Institute of Engineering and Technology, Ahmedabad, Gujarat	Expert lecture on Non-Ideal Reactors	October 19, 2023
Mr. Ankur Saxena	Principal-Risk Engineer, Accenture, India	Expert lecture on Introduction to Fire Insurance	October 23, 2023
Dr. R. K. Mewada	Professor, Chemical Engineering Department, L.E. College of Engineering, Morbi, Gujarat	Expert lecture on Advances in Distillation	October 30, 2023
Mr. Biswajit Sarangi	Manager, Worley India Limited, Vadodara, Gujarat	Expert lecture on Introduction to Energy Transition and Sustainability	November 3, 2023
Prof. Shuchen Thakore	Associate Professor, VGEC, Ahmedabad, Gujarat	Expert lecture on Troubleshooting of Gas Absorption system in Chlorination Plant	November 03, 2023
Mr. Darell Merchant	Technical Manager, Environ, Ahmedabad, Gujarat	Expert lecture on Industrial perspectives of Cyclone Design	February 12, 2024
Mr. Gautam Pradhan	Director - Technical, Innovent Process Solutions Pvt. Ltd., Hadapsar, Maharashtra	Expert lecture on Reaction Kinetics Basics and Process Modelling	February 13, 2024
Dr. Dharmendra Mandaliya	Joint CEO (GKS and SSIP) Gujarat Knowledge Society, Student Startup and Innovation Policy, and Professor, Department of Chemical Engineering, L.D. College of Engineering, Ahmedabad, Gujarat	Expert lecture on Introduction to Energy Transition and Sustainability	February 27, 2024
Dr. Brijesh Pare	President, ACT (Association of Chemistry Teachers) Professor of Chemistry, Madhav Science PG College, Ujjain, Madhya Pradesh	Expert lecture on Importance of Collaborations in research and education	February 27, 2024

Dr. Rekha Nair	Professor and Dean Academics, Poornima College of Engineering, Jaipur, Rajasthan	Expert lecture on Diversity as both an inward and outward journey in India	February 27, 2024
Ms. Nidhi Mehta	Assistant Professor, LJ University, Ahmedabad, Gujarat	Expert lecture on Advanced water and wastewater treatment	March 06, 2024
Mr. Pankaj Khandelwal	Owner, Koncept Learning Centre, Pune, Maharashtra	Expert lecture on Overview of Chemical Plants	March 20, 2024
Mr. Amit Khatri	Member of executive committee at Gujarat Road Safety Authority (GoG)	Expert lecture for B Tech semester IV & VI students	April 13, 2023
Mr. Jaimeen Chhatrawal	Sr. System Analyst, Optimize Solution Ltd. Ahmedabad	Expert lecture for B Tech Semester VI	April 24, 2023
Mr. Nitin Berry	Zonal Manager, MBCC Group, Ahmedabad	Expert lecture for M. Tech & B. Tech Semester II & VI	April 25, 2023
Mr Amol Popli	Zonal Manager (West India) Transportation & Admixtures SBU-STP Limited	Expert lecture for M. Tech & B. Tech Semester II & VI	April 26, 2023
Mr Jaldhi Anjaria	Chief Consultant, HVAC & Building Automation, Founder Anjaria Associates   IGBC-AP	Expert lecture for B Tech Semester VI	April 28, 2023
Mr. Kaizad Engineer	Director Technical, Ushta Infinity Const. Co. Pvt. Ltd	Expert lecture for M. Tech & B. Tech Semester II	April 29, 2023
Dr. Debasis Sarkar	Associate Professor, Department of Civil Engineering, Pandit Deendayal Energy University	Expert lecture for M.Tech (CTM) Semester II and B.Tech. Semester VI	May 05, 2023
Dr. Priyanka Sharma	Researcher, Fujitsu Research India Pvt. Ltd., Bangalore	Expert lecture in STTP	July 03, 2023
Prof. Udit Bhatia	Professor, IIT Gandhinagar	Expert lecture in STTP	July 04, 2023
Prof. Gaurav Srivastava	Professor, IIT Gandhinagar	Expert lecture in STTP	July 05-06, 2023
Prof. Mehul S. Raval	Professor and Associate Dean – Experiential Learning, Ahmedabad University	Expert lecture in STTP	July 07, 2023
Prof. Y. M. Desai	Professor, IIT Bombay	Expert lecture in STTP	July 10, 2023
Prof. Mahesh Pal	Professor, NIT, Kurukshetra	Expert lecture in STTP	July 11, 2023
Prof. S. N. Londhe	Professor, VIIT, Pune	Expert lecture in STTP	July 11, 2023
Prof. M. C. Deo	Professor, IIT Bombay	Expert lecture in STTP	July 11, 2023
Prof. Althaf M.	Professor, Cochi University	Expert lecture in STTP	July 12, 2023

Prof. Sudhirkumar Barai	Professor, BITS, Pilani	Expert lecture in STTP	July 13, 2023
Prof. S. Arkatkar	Professor, SVNIT, Surat	Expert lecture in STTP	July 13, 2023
Shree Rishikesh Das Ji	Devotee, ISKON, Bhadaj, Ahmedabad	Expert lecture for B.Tech. Semester-V Orientation Programme	July 17, 2023
Mr. Vijyan Pandya	Technical Consultant, Ahmedabad	Expert lecture for B.Tech. Semester-V Orientation Programme	July 17, 2023
Mr. Sandeep Mathur	Senior Consultant, Construction & Building Material, Ahmedabad	Expert lecture for B.Tech. Semester-V Orientation Programme	July 18, 2023
Dr. Anal Seth	Head, R & D, Fuji Silvertch Concrete Pvt Ltd, Ahmedabad	Expert lecture for B.Tech. Semester-V Orientation Programme	July 18, 2023
Hiren Solanki	Phd Scholar - IIT Gandhinagar	Expert lecture for B Tech Sem III Orientation Programme	July 18, 2023
Hitesh Limbasiya	Senior Executive, Sabarmati Gas Limited Gandhinagar	Expert lecture for B Tech Sem III Orientation Programme	July 18, 2023
Mr. Harish Jakhmola	Assistant Vice President - Head Quality, Domestic Projects (T&D), Kalpataru Power Transmission Limited	Expert lecture for B Tech Sem III Orientation Programme	July 18, 2023
Shri Nilesh M. Desai	Director, SAC, Ahmedabad	Expert lecture in Seminar 'Soil to Sky'	August 05, 2023
Dr Mehul Pandya	Scientist, SAC, Ahmedabad	Expert lecture in Seminar 'Soil to Sky'	August 05, 2023
Dr. Jaisingla	Scientist, SAC, Ahmedabad	Expert lecture in Seminar 'Soil to Sky'	August 05, 2023
Smt. Ankita Patel	Scientist, SAC, Ahmedabad	Expert lecture in Seminar 'Soil to Sky'	August 05, 2023
Dr. Hemant Arora	Scientist, SAC, Ahmedabad	Expert lecture in Seminar 'Soil to Sky'	August 05, 2023
Dr. Abhijit Chakraborty	Scientist, PRL, Ahmedabad	Expert lecture in Seminar 'Soil to Sky'	August 05, 2023
Dr. Suryakant Gupta	Scientist, IPR, Gandhinagar	Expert lecture in Seminar 'Soil to Sky'	August 05, 2023
Mr. Sarvesh Swarup	Former Deputy Director General, Ministry of Commerce and Industry, Govt of India	Expert lecture for B Tech semester VII, M Tech CTM	August 25, 2023
Mr. Dhanesh Kumar	Senior Engineer, Designation, Indian Oil Corporation Limited	Expert lecture for B.Tech semester V	September 05, 2023
Dr. Lavina Sinha	IPS, DCP, Zone I, Ahmedabad	Expert lecture for B.Tech semester V	September 13, 2023

Mr Jay Dholariya	Owner, JD Structure Design, Rajkot and MTech CASAD alumni	Expert lecture for M Tech CASAD	October 07, 2023
Mr. Pradeep Ahirkar	Construction Project Manager, National High Speed Rail Corpo Ltd	Expert lecture for B.Tech semester VII M Tech CTM	October 18, 2023
Mr. Ajay Kumar Agrawal	Additional Director General (Retd.) CPWD	Expert lecture for M. Tech CTM	September 21, 2023
Mr Raghunath Patil	Head - Technical Service, Nuvoco Vistas Ltd. Mumbai	Expert lecture for M Tech CASAD semester I, B Tech V	October 19, 2023
Mr Tirtha Banerjee	Head - Training, Dr Fixit Institute of Structural Protection and Rehabilitation, Pidilite Industries Limited	Expert lecture for B Tech V	October 26, 2023
Dr. Ankush Sharma	Jr, Scientist, Composite Division, ATIRA	Expert lecture for B Tech VII	October 26, 2023
Ms. Neepa Manocha	IPS	Expert lecture for B Tech Sem VI	January 24, 2024
Mr K L Maheshwari	HVAC Consultant, MEP Consultant; Owner, Maheshwari Consultants, Navrangpura, Ahmedabad	Expert lecture for B Tech Sem VI	January 29, 2024
Mr Prakash Siyani	Owner of P-CUBE Consultants, Ahmedabad	Expert lecture for M Tech CASAD	February 06, 2024
Mr. Bhargav Akhani, Director	Director, MBCON Consulting Engineers Pvt. Ltd., Mumbai	Expert lecture for M Tech CASAD	February 09, 2024
Dr. S K Varshney	Scientist G at the Department of Science & Technology, Government of India	Expert lecture for B Tech Sem VI	February 17, 2024
Mr. Himanshu Kotak	Founder, C-phi Consult Pvt. Ltd, Ahmedabad	Expert lecture for B Tech Sem IV	February 21, 2024
Prof. Jaydeep Bhagat	Faculty, Institute of Architecture and Planning, Nirma University, Ahmedabad	Expert lecture for M Tech CASAD II	February 29, 2024
Dr. Bhoomi Andharia	Senior Scientist, CSIR - Central Salt & Marine Chemicals Research Institute	Expert lecture for B Tech Sem VI	March 1, 2024
Mr. Hemanth Kamplimath	Transaction Advisor to Transport and Road Safety Department, Govt. of Karnataka	Expert lecture for B Tech Sem IV	March 11, 2024
Mr. Tapas Basu	Former General Manager & Chief Project Manager-TATA Projects & Deputy	Expert lecture for M Tech CTM Sem II and IV B Tech VI	March 14, 2024

	General Manager & Project Manager-L&T Construction		
Shri Hareshkumar Lakhani	Structural Engineer, Retired Executive Engineer & Under Secretary, R & B Department, Sachivalaya, Gandhinagar	Expert lecture for B Tech IV	March 21, 2024
Dr. Ajay Chourasia	Chief Scientist, CSIR - Central Building Research Institute, Roorkee	Expert lecture for M Tech CTM Sem II and IV B Tech VI	March 29, 2024
Mr Jaldhi Anjaria	Chief Consultant, HVAC & Building Automation, Founder Anjaria Associates   IGBC-AP)	Expert lecture for B Tech VI	March 29, 2024
Mr. S. B. Mahajani	Ex. Sr. Executive, Amtech Electronics Ltd., Gandhinagar	Speaker in STTP	July 03, 2023
Mr. R D Chauhan	Ex. Addl. General Manager (Simulator) NTPC Ltd	Talk on Operation and maintenance of Thermal Power Plant	September 06, 2023
Mr. Nilesh Pandya	Director, Electrical Testing Centre, Vadodara, Gujarat	Talk on Basic acceptance norms for Electrical Items through standards	October 20, 2023
Dr. S. V. Kulkarni	Professor, IIT Bombay	Expert session on Effective Technical communication	October 30, 2023
Mrs. Gladis Nair	Programme Manager, i-Create campus, Ahmedabad, Gujarat	Expert Session on Entrepreneurship and Emotions	May 03, 2023
Ms. Akshi Jain	Business Development Executive, Mindra Green Energy Ltd., Ahmedabad	Talk on Organizational Behaviour	February 09, 2024
Dr. Pradyuman Chaturvedi	Associate Professor, Electrical Engineering Department, Visvesvaraya National Institute of Technology, Nagpur	Expert Talk in the domain of Power Electronics	February 13, 2024
Mr. Jitesh Dodiya	CEO & Co-founder, Griden Technologies Pvt. Ltd., Gandhinagar	Expert Talk on Recent Trends and Opportunities in e-mobility	February 14, 2024
Mr. Ashok Chavda	Chief Engineer, GETCO, Vadodara	Chief guest in Scintilla'24	March 01, 2024
Mr. Kumarpal M Desai	Founder, Omega Elevators, Rakhial, Ahmedabad	Guest of honour in Scintilla'24	March 01, 2024
Mr. Shivrajsinh Tomar	Entrepreneur, Motion Breeze, Vadodara	Speaker in Scintilla'24	March 01, 2024
Mr. Zeel Patel	Spiritual Guru and Social Media Influencer	Speaker in Scintilla'24	March 01, 2024



Mr. Abhishek Kar	Finance Guru and Social Media Influencer	Speaker in Scintilla'24	March 01, 2024
Mr. Dinesh Dholakia	Assistant Manager, Inductotherm Group, Sanand, Ahmedabad	Expert talk on Recent developments in the induction furnace domain	March 19, 2024
Mr. Jagrut Patel	Director, JP Technosoft, Ahmedabad	Expert Session on Single Line Diagram (SLD) design for EE Substations, Utilities etc.	April 19, 2024
Prof. Rajat Moona	Director, IIT Gandhinagar	Keynote Speech: Electronic Voting Machine: A Smart Electronic System - iSES 2023	December 18, 2023
Dr. Navin Bisnoi	Head Assistant VP, Country Engineering (Marvell, Compute & Custom Solutions, India)	Keynote Speech: Transforming Cloud Infrastructure for the AI era	December 18, 2023
Dr. Anil Bhardwaj	Director, Physical Research Laboratory, Ahmedabad	Keynote Address: RAMAN 2024	March 28, 2024
Prof. Amlan Chakrabarti	Professor & Director, A.K. Choudhury School of I.T., University of Calcutta	Talk on Scheduling Approaches for Accelerating Real-Time Tasks in Software-Hardware Codesign Paradigm	April 13, 2023
Mr Sidhharth Mistry	Director, Teq Digilant, Ahmedabad	Talk on High Speed digital board design	February 28, 2024
Dr. Raju Narayana Swamy	IAS, Principal Secretary to Government of Kerala	Talk on Cyber Security, Cyber Laws, and Quantum Computing	Sep 26, 2023 & Sep 27, 2023
Dr S.K. Varshney	Former Scientist G at the Department of Science & Technology, Government of India	Talk on Unlock the potential of research	February 17, 2024
Prof. Abhishek Sharma	Asso. Professor, LNMIIT Jaipur	Expert lecture on IoT for industrial applications for B.Tech - IV	January 2, 2024
Mr. Dhaivat Chudasama	Head, Instrumentation, Linde - India	Guest of honour, Mitsubishi ATC Meet-2024	February 22-23, 2024
Mr. Abhishek Verma	Manager- Customer Service Department, Mitsubishi Electric, India	Mitsubishi ATC Meet-2024	February 22-23, 2024
Mr. Devendra Singh	Sr. General Manager-Customer Service Department, Mitsubishi Electric, India	Mitsubishi ATC Meet-2024	February 22-23, 2024
Mr. Sameer Chitnis	Dy. General Manager-Factory Automation and Industrial Division, Mitsubishi Electric, India	Mitsubishi ATC Meet-2024	February 22-23, 2024

Mr. Vimal Unadkat	Asst. General Manager- Factory Automation and Industrial Division, Mitsubishi Electric, India	Mitsubishi ATC Meet-2024	February 22- 23, 2024.
Mr. Shrikant Takale	Manager- Customer Service Department, Mitsubishi Electric, India	Mitsubishi ATC Meet-2024	February 22- 23, 2024
Ms. Himanshi Bhardwaj	Coordinator- Educational Activities, Mitsubishi Electric, India	Mitsubishi ATC Meet-2024	February 22- 23, 2024
Mr. Mahesh Sharma	Assistant Professor, Ajay Kumar Garg Engineering College, Ghaziabad, Uttar Pradesh	Mitsubishi ATC Meet-2024	February 22- 23, 2024
Dr. Leena.G	Professor, Manav Rachna International Institute of Research and Studies, Faridabad, Haryana	Mitsubishi ATC Meet-2024	February 22- 23, 2024
Prof. Silpi Santra	Coordinator, International Institute for Advanced Training on Control & Automation, Kolkata, West Bengal	Mitsubishi ATC Meet-2024	February 22- 23, 2024
Dr. Satyendra Kumar Singh	Assistant Professor, Model Institute of Engineering & Technology, Jammu and Kashmir	Mitsubishi ATC Meet-2024	February 22- 23, 2024
Prof. Deepika Kalluri	Assistant Professor, CVR College of Engineering, Hyderabad, Telangana	Mitsubishi ATC Meet-2024	February 22- 23, 2024
Kannan Narasimha	Director-Industry Relations, Sri Eshwar College of Engineering & Technology, Coimbatore, Tamil Nadu	Mitsubishi ATC Meet-2024	February 22- 23, 2024
Lalit Bhanwrela	Assistant Professor, Shri Vaishnav Institute of Technology and Science, Indore	Mitsubishi ATC Meet-2024	February 22- 23, 2024
Mr. Jagdish Shukla	Owner, Servilink Systems Limited, Vadodara, Gujarat	Mitsubishi ATC Meet-2024	February 22- 23, 2024
Mr. E. Rajeev	Executive Director, International Automobile Centre of Excellence, Gujarat	Mitsubishi ATC Meet-2024	February 22- 23, 2024
Mr. Asiv Shah	Associate Professor, Ajay Kumar Garg Engineering College, Ghaziabad, Uttar Pradesh	Mitsubishi ATC Meet-2024	February 22- 23, 2024

Mr. Jayesh Golwala	Executive board member, ISA, District G	Mitsubishi ATC Meet-2024	February 22-23, 2024
Dr. J.B.Patel	CEO, Infomatic Solutions, Ahmedabad	Mitsubishi ATC Meet-2024	February 22-23, 2024
Mr. Vikram Mattoo	General Manager - Customer Service at Mitsubishi Electric India Pvt. Ltd., Gurgaon, Haryana	Mitsubishi ATC Meet-2024	February 22-23, 2024
Mr. Hitesh Bharadwaj	Business Head, Semiconductors & Devices, Mitsubishi Electric India Pvt. Ltd., Gurgaon, Haryana	Inauguration of the Semiconductors & Devices laboratory sponsored by Mitsubishi India	May 19, 2023
Mr. Pradip Bisht	Head- Application Engineering, Semiconductors & Devices, Mitsubishi Electric India Pvt. Ltd., Gurgaon, Haryana	Inauguration of the Semiconductors & Devices laboratory sponsored by Mitsubishi India	May 19, 2023
Mr. Yogesh Bhatarkar	Senior Manager, EV and Industrial Semiconductors at Mitsubishi Electric India Pvt. Ltd., Pune	Inauguration of the Semiconductors & Devices laboratory sponsored by Mitsubishi India	May 19, 2023
Dr. Amit M Joshi	Associate Professor, MNIT, Jaipur	Expert lecture on System Design for Healthcare and Digital Design for Instrumentation for B.Tech - VI semester	February 29, 2024

## I CURRICULAR ASPECTS

### New programmes being offered

› B Tech AI & ML will be offered by Computer Science & Engineering department w.e.f. July 2024

### New courses being offered

**Supplementary Course on Campus to Corporate:** The Institute has started a supplementary course, 'Campus to Corporate', for all the students of the BTech IV Semester. This is a compulsory course and is aimed at providing knowledge to the students, understanding nuances of communications, etiquette, and career preparation. During the course, the students will get exposure to corporate culture and expectations, which will help them to develop the competencies required for professional careers; it will further help students to become employable.

The University has already implemented the NEP 2020 and, accordingly, the teaching scheme and syllabus of B.Tech Semester III and IV.

The new courses being offered by various departments under the Institute of Technology are as under:

#### Mechanical Engineering

- › Material Science and Engineering
- › Metrology and Quality Control

- › Thermodynamics
- › Solid Mechanics and Geometric Modelling
- › Fluid Mechanics
- › Manufacturing Processes-I
- › Automation & Control
- › Theory of Machines

#### Electrical Engineering

- › Analog Electronics
- › Digital Electronics
- › Electrical measurements and transducers
- › Network Analysis
- › Fundamentals of power system
- › Transformers and DC machines
- › Microprocessor and microcontrollers
- › Control System Theory

#### Chemical Engineering

- › Chemical Process Industries

#### Civil Engineering

- › Mechanics of Solids
- › Surveying
- › Construction Materials
- › Civil Engineering Drawing and Building Planning
- › Structural Mechanics
- › Construction Technology
- › Geotechnical Engineering
- › Transportation Engineering

#### B. Tech. (Construction Technology) for L&T Engineers

- › Industrial Engineering
- › Structural Analysis
- › Geotechnical Engineering
- › Transportation Engineering
- › Environmental Engineering
- › Water Resource Engineering
- › Distress Diagnostics, Repair and Rehabilitation of Structures
- › Design of Structures

#### M. Tech. Construction Technology and Management

- › Major Project Part I (Full Time)
- › Internship
- › Major Project Part II (Full Time)

#### Electronics & Communication Engineering

- › System Engineering
- › 5G Technology and IoT Applications
- › VLSI Design
- › Cyber-Physical System
- › Electronics Engineering

### Computer Science & Engineering

- › Data Structures
- › Object Oriented Programming
- › Digital Electronics
- › Computer Architecture
- › Database Management Systems
- › Operating Systems
- › Full Stack web development
- › Data Communication

### Electronics & Instrumentation Engineering

- › Control Theory
- › Basic Electronics
- › Circuit Theory
- › Software for Engineers
- › Applied Electronics
- › Electronics circuits
- › Micro-controller and its application
- › Programmable Logic Controllers

### Common courses

- › Principles of Economics
- › Economics
- › Contemporary India
- › Indian Constitution and Citizenship
- › Organizational Behaviour
- › Ethics and Values
- › Internship-Community Services

## **II TEACHING LEARNING AND EVALUATION**

Faculty Completed PhD	: 12
Faculty Pursuing PhD	: 47

12 Faculty members were awarded PhD in 2023-24, taking the total count to 173 PhD holders in the Institute of Technology

### **Innovation in Teaching – Learning and Evaluation**

- › Extensive integration of information and communication technology (ICT) in classroom instruction, harnessing the power of digital tools and resources to enhance the learning experience.
- › Utilizing animations as effective visual aids to facilitate a deeper understanding of intricate concepts, making them more accessible and engaging for students.
- › Arranging special assignment project exhibitions, providing students with a platform to showcase their work and share their innovative ideas with the wider community, promoting creativity and collaboration.
- › Incorporating case studies, our curriculum delves into real-world scenarios, utilising tools such as Burp Suite for Vulnerability Assessment and fostering problem-solving sessions.
- › Surprise Tests/ Challenges with motivational incentives in courses.
- › Innovative quiz like Ask your Friends to make the sessions interesting and informative.

### Activities to sustain healthy practices

- › Courses on Yoga, critical thinking, ethics and values are offered to B.Tech. students.
- › Rigorous conduction of classroom sessions, peer faculty classroom observations, continuous evaluations, adherence to course policy, timely assignment allotment and submissions are the activities conducted regularly to sustain healthy practices.
- › Consistent monitoring and reporting of attendance are conducted, with a requirement for students to maintain a minimum of 85% attendance. Timely communication and follow-up with parents are carried out for students who have attendance issues, ensuring proactive intervention and support.
- › Regular assessments are conducted based on the Outcome-Based Education (OBE) approach, encompassing various components such as Class Tests, Sessional Exams, Lab Practice Work (LPW), Special Assignments, and Semester End Exams. These assessments are performed consistently to evaluate students' progress and ensure alignment with the desired learning outcomes.
- › The NPTEL lectures, Virtual Labs, and Spoken tutorials serve as valuable supplements to the courses. These resources enhance the learning experience by providing additional educational materials and interactive platforms for students to explore and develop their understanding of the subjects.
- › To prepare the students for the industry, regular expert lectures and collaborative teaching sessions are organized. These initiatives aim to equip students with the necessary skills and knowledge needed to become professionals in their respective fields.
- › In order to ensure continuous evaluation, various tasks are assigned across all subjects, including term papers, projects, quizzes, and more. Additionally, laboratory-based subjects often involve the completion and assessment of mini projects as part of the continuous evaluation process.
- › Both informal and formal feedback from students regarding teaching and learning, campus infrastructure facilities, and suggestions for overall improvement is actively collected. This feedback aims to gather valuable insights for enhancing the learning experience and making improvements in various aspects of the campus environment.

### Interdisciplinary Student Projects

Title of the Project	Department	Names of the Guides	Student
Improve Bearing fault detection using deep learning	Mechanical Engineering and CSE	Prof. D V Patel and Prof. Ankit Thakkar	Rohan Puntambekar
Pavement Cleaner	Civil Engineering	Dr. Tejas Joshi and Dr. Chintan Mehta	Vivek Brahmabhatt
Domestic wastewater spiked with RO concentrate using Microbial Fuel Cells	Civil Engineering	Dr. Indrajeet Kumar	Panchal Arzoo, Parmar Unnati and Trivedi Aditya
Implementation of A.C. Motor Fault Diagnostic System	Electrical Engineering	Prof. P.N. Kapil and Dr. Dhaval V. Patel	Shivam Vyas
Deep Learning Techniques for Bearing Fault Diagnosis	Mechanical and Computer Science and Engineering	Prof. Dhaval Patel and Prof. Ankit Thakkar	Rohan Puntambekar and Pratyaksh Vyas
Improving Bearing Fault Detection Using Deep Learning	Mechanical and Computer Science and Engineering	Prof. Dhaval Patel and Prof. Ankit Thakkar	Rohan Puntambekar
Development of Remotely operated structure climbing robot with modular attachment for telecom tower maintenance	Computer Science and Mechanical Engineering	Dr Vijay Ukani and Prof Jatin Dave	Rajvi Desai and Harsh Maniar

Hardware Development of AI/ML-based Object Detection using Image Sequencing.	Electronics & Communication and Computer Science Engg.	Dr Vaishali Dhare, Dr Jaiprakash Verma, and Dr Madhuri Bhavsar	Prajay Hitesh and Prathmesh Borse
--	--	--	-----------------------------------

### Exam Reforms implemented

- › A policy for conducting make-up examinations for the Continuous Evaluation (CE) component has been implemented.
- › In the Minor and Minor project courses, evaluation is conducted using rubrics-based assessment methods
- › A policy for re-evaluation of theory exams, specifically SEE/SPE (Semester End Examination/ Supplementary Examination), has been implemented.

Number of faculty development programmes availed by faculty : 162

Number of faculty development programmes organised by the Institute : 43  
(Categories: Refresher/STTP, Induction, computer application, soft skills, pedagogy, quality)

Invited/endowment lectures : 195

## III RESEARCH, CONSULTANCY AND EXTENSION

### Patent

Sr. No.	Name of the Teacher	Patent Number	Title of the patent	Status
1	Prof. Digesh Joshi, Prof. Harsh Kapadia, Prof. Paresh Patel, Prof. Aplesh Patel, Dr. Jayesh Dave, Prof. Sharad Purohit	2959/MUM/2015	Design and Development of Concrete Block Testing Machine	Granted
2	Dr. Mamta Saiyad, Dr. Niranjana Devashrayee	201721017285	Radiation Hardened Epoxy/Graphite Polymer Composite	Granted
3	Dr. Deepak Adhyaru, Ms. Pallav Gandhi	3303/MUM/2015	Smart Modbus Protocol Device	Granted
4	Dr. Urmil Dave, Prof. Sonal Thakkar	201721021390	A Novel Composition for Alkali Activated Paver Blocks and A Process Thereof	Granted
5	Prof. Kunal Ghosh, Prof. Mihir Chauhan	201921004168	An Improved Antimine Vehicle with Vertical Blast Ventilation	Granted
6	Dr. Amit Kumar, Dr. H.S Banyal, Priyanka, Sachin Raghav, Mrs. Chinu Kumari, Mr. Abhishek Soni	202121047523	Intelligent Seawater Separation (Salt and Fresh Water) Process and Procedure.	Granted

7	Dr. Reena Trivedi Dr. Hiren Prajapati	202121060194	Hydro-Mechanically Operated Brick Manufacturing Machine”	Published
8	Dr. Dipak Adhyaru, Ms. Somya Gupta,	202221022352	An Apparatus for Pulsed H <sub>2</sub> O <sub>2</sub> Plasma-Sonic Sterilizer	Published
9	Dr. Absar Lakdawala, Prof. Hiren Prajapati,	202221016599	A Machine for Redispersibility Of Magnetorheological Fluids	Published
10	Dr. Nimish Shah, Dr. Raju Mewada, Dr. Tejal Mehta	202221023020	A Method and Composition of Copolymer as Superdisintegrant for Oral Administration of Drugs	Published
11	Dr. Darshita Shah	202321070409	A Quadruped Robot for Climbing Telecom Tower	Filed & published
12	Dr. Smita Agrawal Prof. Parita Oza, Dr. Sudeep Tanwar, Dr. Madhuri Bhavsar, Mr. Shrey Patel	202321051168	Renewable Energy Based Smart Dustbin with Auto Cleaning Facility for Sensors and Solar Panels	Filed & published
13	Dr. Sudeep Tanwar Dr. Lata Gohil, Dr. Tarjni Vyas, Prof. Anuja Nair, Prof. Shivani Desai, Mr. Tirth Patel, Mr. Milan Ghoghari	202321065499	Smart Travelling Bag	Filed & published
14	Priyam Parikh, Reena R. Trivedi, Naitik Dalwadi, Keyur Joshi, Kaushikkumar Patel Gohil Jigar Arjunbhai, Jatinkumar Dave	202321080546	A Vision-Actuated Feeding Robotic Arm Setup for The Elderly and Specially-Abled People	Filed & published
15	Dr. Smita Agrawal Dr. Parita Oza, Dr. Sudeep Tanwar, Nishika Shah, Mr. Shrey Patel, Prerna Halari	202321082283	Sensor Based Smart Traffic Management System	Filed & published
16	Darshita J Shah, Jatin M. Dave, Mihir M. Chauhan, Bharat A. Modi, Kaushik M. Patel	202421001642	Ladder Climbing Robot for Telecom Tower	Filed & published
17	Dr. Jayesh Ruparelia	202321027603	A Novel Anode Used for The Generation of Sodium Hypochlorite as A Disinfectant by The Electrochemical Method	Filed
18	Dr. Sonal Thakker	202421005028	Sustainable Concrete Using Industrial Waste of Calcium Carbide Residue in Ordinary Protalad Cement Concrete	Filed
19	Dr. Ankur Pandya	202321084052	An Improved System for Generation of Electrical Energy and Method Thereof	Filed



## Research Projects

### Major Research Project funded by External Agencies

Financial Year	Completed		Ongoing		Sanctioned	
	Number	Amount (Rs in lakhs)	Number	Amount (Rs in lakhs)	Number	Amount (Rs in lakhs)
2023-24	09	265.95	09	188.78	10	684.01
2022-23	02	65.83	13	345.22	05	109.51

### Major Research Projects funded by Nirma University

Financial Year	Completed		Ongoing		Sanctioned	
	Number	Amount (Rs in lakhs)	Number	Amount (Rs in lakhs)	Number	Amount (Rs in lakhs)
2023-24	1	30.00	1	30.00	1	30.00
2022-23	-	-	1	30.00	1	30.00

### Minor Research Project funded by External Agencies

Financial Year	Completed		Ongoing		Sanctioned	
	Number	Amount (Rs in lakhs)	Number	Amount (Rs in lakhs)	Number	Amount (Rs in lakhs)
2023-24	1	1.00	4	14.50	4	09.00
2022-23	-	-	-	-	5	15.50

### Minor Research Project funded by Nirma University

Financial Year	Completed / Ongoing / Sanctioned	
	Number	Amount (Rs in lakhs)
2023-24	32	29.96
2022-23	13	12.35

## Details of Research Project

### Completed Major Research Projects

Sr. No.	Title of the Project	Project Investigator/s	Funding Agency	Grant (in Rs.)
1	Plasma Pyrolysis of Dry Municipal Solid Waste (MSW)/Refused Derived Fuel (RDF) for Syngas and Electricity Generation	Dr. Sanjay Patel, and Dr. Rajesh Patel	Gujarat Council on Science and Technology	45,23,200/-
2	Studies and Prototype Development for Recycle and Reuse of Waste Streams from Stainless Steel Industries	Dr. Jayesh Ruparelia, and Dr. Urmil Dave	Gujarat Council on Science and Technology	22,33,000/-
3	Calibration and Validation of Risat-1 Sar Sensor	Dr. Parul Patel	Indian Space Research Organisation	55,65,300/-

4	Development of Advanced Algorithms for Land Use Land Cover Classification Using Deep Learning Techniques	Dr. Swati Jain, and Prof. Preeti Khatiria	Indian Space Research Organisation	27,40,800/-
5	Development and Testing of Navicsuite: Processing Software Tool for Navic Receiver	Dr. Sachin Gajjar	Indian Space Research Organisation	20,00,200/-
6	Design and Development of Fabry Perot Cavity-Based Feed Cluster	Dr. Piyush Bhadhasana	Indian Space Research Organisation	22,34,000/-
7	Development of a Vision Based Multi Degree of Freedom Serial Manipulator for Patients Suffering from Neurological Disorder and Infectious Diseases (Covid-19)	Dr. Reena Trivedi, and Dr. Jatinkumar Dave	Gujarat Council on Science and Technology	16,50,000/-
8	Use of Recycled C&D Waste, Fly Ash, Bottom Ash, Dredged Marine Sand and Gypsum For Construction of Sustainable Salt Pan Beds for Enhancement of Salt Productivity Through Prevention of Brine Percolation	Dr. Sonal Thakkar, and Dr. Urmil Dave	Department of Science & Technology	9,00,000/-
9	Development of Integrated Wastewater Treatment Systems Using Alternative Innovative Approaches of Microbial Fuel Cells, Magnetic Nanoparticles and Vermicomposting with Water Hyacinth for Secondary Sludge Management	Dr. Chetna Chauhan, Dr. Manisha Shah, and Dr. Nasreen Munshi, (Collaborative Project)	Gujarat State Biotechnology Mission (GSBTM)	47,48,200/-
<b>Total Grant</b>				<b>2,65,94,700</b>

### Ongoing Major Research Projects

Sr. No.	Title of the Project	Project Investigator/s	Funding Agency	Grant (in Rs.)
1	To Enhance the Quality of Bio-Coal Prepared from Rice Straw for Co-Firing in Power Plant	Dr. Darshit Upadhyay	Science and Engineering Research Board	18,30,000/-
2	Deployment of Sustainable Concrete for Reducing Brine Water Losses in Earthen Salt Pans: an Experimental Investigation at CSIR-CSMCRI, Bhavnagar	Dr. Sonal Thakkar, and Dr. Urmil Dave (Collaborative project))	Gujarat Council on Science and Technology	32,51,600/-
3	Automatic Detection and Analysis of Lunar Surface Mineralogy from Hyperspectral Data Using Deep Learning Techniques	Dr. Sudeep Tanwar, Dr. Anuja Nair, Dr. Tarjni Vyas, and Dr. Shivani Desai	Indian Space Research Organisation	21,45,500/-
4	Margdarshak: a Sensor Driven Cloud-Enabled Dynamic and Safe Route Explorer	Dr. Saurin Parikh, Dr. Gaurang Raval, and Dr. Sharada Valiveti	Gujarat Council on Science and Technology	16,89,800/-

5	Secondary Flow Aided Inertial Separation of Discrete Sized Micro Particles in Complex-Shaped Microchannels	Dr. Nirajkumar Shah, and Dr. Absar Lakdawala	Science and Engineering Research Board	28,63,700/-
6	Development of Autonomous Reconfigurable Load Carrier	Dr. Akash Mecwan, and Dr. Dhaval Shah	Gujarat Council on Science and Technology	17,32,000/-
7	Growth and Characterization of Nanostructured Thin Films of Magnetic Materials for High-Speed Computer Memory Cells	Dr. Chetna Chauhan, and Dr. Niranjan Devashryee	Gujarat Council on Science and Technology	25,35,500/-
8	Torsional Behavior of Reinforced Concrete Elements Strengthened with Stainless Steel Wire Mesh	Dr. Sunil Raiyani, and Dr. Paresh Patel	Science and Engineering Research Board	18,30,000/-
9	Experimental Investigation on the Use of Kaolinite Mining Waste as a Replacement for Natural Fine Aggregate in Concrete	Dr. Sonal Thakkar, and Dr. Urmil Dave	Q-Bo Technologies Pvt Ltd.	10,00,000/-
<b>Total Grant</b>				<b>1,88, 78,100/-</b>

### Sanctioned Major Research Projects

Sr. No.	Title of the Project	Project Investigator/s	Funding Agency	Grant (in Rs.)
1	Design and 3D printing of externally powered prosthetic arm controlled by brain computer interface for below elbow amputees	Dr. Reena Trivedi	Science and Engineering Research Board	27,98,224/-
2	Biopolymer Multilayer Barrier Films	Prof. Saiyad Mamta Mainak	Gujarat Council on Science and Technology	28,02,000/-
3	Development of Remotely Operated Structure Climbing Robot with Modular Attachment for Telecom Tower Maintenance	Dr. Dave Jatinkumar Maheshkumar	Gujarat Council on Science and Technology	15,21,000/-
4	Experimental and Numerical Studies On Stainless Steel Wire Mesh (Sswm) Strengthened Precast Beam Column Assemblies Under Progressive Collapse Scenario	Dr. Joshi Digesh Dilipkumar	Science and Engineering Research Board	25,12,400/-
5	Investigations Of Deep Eutectic Solvents As Catalyst For Cyclo-Addition Of Co2 To Propylene Oxide: Quantum Calculations And Experimental Verification	Dr. Sanjay Patel	Gujarat Council on Science and Technology	17,85,200/-
6	Reducing Riders Discomfort Due To Speed Bumps Without Compromising Their Speed Reduction Abilities	Dr. Manish Dutta	Science and Engineering Research Board	8,67,400/-

7	Secure And Energy Efficient Mixed Domain Compute In Memory-Based Ai Accelerator Chip For Edge Applications	Dr. Usha Mehta	Ministry of Electronics and Information Technology, MeitYand	96,00,000/-
8	Multi-Objective Control of Power Quality Friendly Pv Based Distributed Generation For Effective Energy Storage And Utilization In Smart Grid	Dr. Tekwani Pragneshkumar Natvarlal And Prof. Chauhan Siddharthsingh Kamaljitsingh	Gujarat Council on Science and Technology	26,47,000/-
9	Design And Development Of Single-Axis Solar Tracking System	Patel Dhaval Vallabhbhai And Bhojawala Vipulkumar Manharlal	KOSOL Energie Pvt. Ltd	15,89,000/-
<b>Infrastructure Grant</b>				
10	Department/Specialization - Civil Engineering/Infrastructure/Science (including Geotechnical Engineering & Water Resources Engineering/Oceanography) for a Government of India (GoI) Grant-in-aid under the Component IV- Education, Training and Skill Development	Dr. Urmil V. Dave, Dr. Hasan Rangwala, Dr. Naman Kantesaria,	National Technical Textile Mission, Ministry of Textiles (MoT), Government of India	4,22,78,600/-
<b>Total</b>				<b>6,84,00,824/-</b>

### Completed Minor Research Projects

Sr. No.	Title of the Project	Project Investigator/s	Funding Agency	Grant (in Rs.)
1	To Enhance the Yield of the Product Meta Phenylene Diamine Sulphonic Acid Production	Dr. Nimish Shah, Dr. Mamta Saiyad, and Dr. Ankur Dwivedi	Varahi Intermediates	1,00,000/-

### Ongoing Minor Research Projects

Sr. No.	Title of the Project	Project Investigator/s	Funding Agency	Grant (in Rs.)
1	Feasibility Study of Use of Polyurethane Foam Waste in Paver Block	Dr. Tejas Joshi, and Dr. Urmil Dave	Q-Bo Technologies Pvt Ltd.	5,00,000/-
2	To Improve Surface Quality of Rubber Sheet for Chemical Vessel Lining	Dr. Mamta Saiyad	Rubtech Industry	2,00,000/-
3	Recycle Plastic Waste Without Segregation	Dr. Mamta Saiyad	Brahmdeep Industry	2,00,000/-

4	Design Modification of Modules of Converting Machinery and Textile Wet Processing Machinery for Cost Reduction and Performance Enhancement	Dr. Vipul Bhojawala, and Dr. Dhaval Patel	Kusters Calico Machineries Pvt. Ltd. (KCMPL)	5,50,000/-
<b>Total Grant</b>				<b>14,50,000/-</b>

### Sanctioned Minor Research Projects

Sr. No.	Title of the Project	Project Investigator/s	Funding Agency	Grant (in Rs.)
1	Performance Evaluation And Optimization Of Biogas-Biodiesel Blend For Ci Engine	Dr. N K Shah	Commisional Technical Education, Gujarat State	2,00,000/-
2	Green Technology In Waste Water Treatment For Dyes & Intermediate Industries	Dr. Nimish Shah	Center of Excellence - Green technologies for sustainable development supported by Sajjan India Ltd	75,000/-
3	Study Of Existing Systems And Suggestions For Perefomance Improvement Of Cetp - Vapi	Dr. Jayesh Ruparelia	Vapi Green Enviro Ltd	5,50,000/-
4	Design And Development Of Green Cement	Dr. Shibu Pillai	Center of Excellence - Green technologies for sustainable development supported by Sajjan India Ltd	75,000/-
<b>Total Grant</b>				<b>9,00,000/-</b>

### Completed Major Research Project funded by Nirma University

Sr. No.	Title of the Project	Project Investigator/s	Funding Agency	Grant (in Rs.)
1	Strengthening Precast Beam Column Connections using Stainless Steel Wire Mesh (SSWM) Experimental and Numerical Study	Dr. Paresh Patel, and Dr. Digesh Joshi	Nirma University	30,00,000
<b>Total Grant</b>				<b>30,00,000/-</b>

### Completed Major Research Project funded by Nirma University

Sr. No.	Title of the Project	Project Investigator/s	Funding Agency	Grant (in Rs.)
1	Development of Composite Phase Change Material (PCM) Based Thermal Management System for Battery of Electrical Vehicles	Dr. Absar Lakdawala, and Dr. Dhaval Shah, Prof. P. N. Kapil	Nirma University	30,00,000
<b>Total Grant</b>				<b>30,00,000/-</b>

### Completed Major Research Project funded by Nirma University

Sr. No.	Title of the Project	Project Investigator/s	Funding Agency	Grant (in Rs.)
1	Design And Development Of Crypto Accelerator Core And Its Integration With Risc-V Processor Based System On Chip Platform	Gajjar Nagendra Prakashbhai	Nirma University	30,00,000
<b>Total Grant</b>				<b>30,00,000/-</b>

### Completed / Ongoing / Sanctioned Minor Research Project funded by Nirma University

Sr. No.	Title of the Project	Project Investigator/s	Funding Agency	Grant (in Rs.)
1	IOT based Smart Agriculture Monitoring System	Prof. Parita Oza	Nirma University	98,750/-
2	Smart Sun Tracking System for Solar Power Plants	Prof. Akash Mecwan	Nirma University	1,00,000/-
3	Tool Condition monitoring using AI techniques in sustainable machining	Prof. Mayur Makhesana	Nirma University	1,00,000/-
4	Microwave assisted AOP's for wastewater treatment.	Prof. Sandip Sharma	Nirma University	1,00,000/-
5	Ayurveda-based Maanveeya Sharirika Prakriti Prediction using Artificial Intelligence	Prof. Monika Shah	Nirma University	1,00,000/-
6	Extraction of ingredients and the use of chemometrics on spectroscopic and chromatographic to advance chemical analysis of Curcuma longa.	Prof. Amit Kumar	Nirma University	1,00,000/-
7	Application of MQL in Single Point Incremental Forming Process.	Prof. Rudresh Makwana	Nirma University	85,000/-
8	Bank Cheque Verification System Using Image Processing and Deep Learning Techniques.	Prof. Hardik Joshi	Nirma University	60,000/-
9	Investigation on Manufacturing and Characterization of 3D Printing of Composites Using Plastic Waste.	Prof. Dhaval B Shah	Nirma University	1,00,000/-
10	Enhanced Flood Inundation Mapping Using Near Real-Time Satellite Imagery and Real-Time Geo-Tags	Dr. Swati Sirsant	Nirma University	75,000/-
11	Experimental Study on Particle Damper for the Model Building	Prof. Utsav Koshti	Nirma University	1,00,000/-
12	Identification of Flood Prone Area Using HEC-RAS: A Case Study of Sukal River, Gujarat	Prof. Nitesh Gupta	Nirma University	75,000/-
13	Sustainable Technique of Desiccation Crack Mitigation in Expansive Soil Using Natural Fibers	Prof. Naman Kantesaria	Nirma University	1,00,000/-
14	Evaluating the Effect of Warm Mix Additives on Binder Properties and Studying Moisture Susceptibility of Mixes Modified with Warm Mix Additives	Prof. Prachi Kushwaha	Nirma University	97,000/-

15	Estimating Risk Involved in Evasive Action of Vehicles at Unsignalized Intersections and Miniroundabouts	Prof. Manish Dutta	Nirma University	60,000/-
16	Development of a Ladder-climbing Robot for Telecom Tower Application	Prof. Darshita Shah	Nirma University	1,00,000/-
17	Parametric Investigations on Solar Desalination System	Prof. Balkrushna Shah	Nirma University	1,00,000/-
18	Design, Fabrication and Analysis of Monotube Magnetorheological (MR) Damper	Prof. Hiren Prajapati	Nirma University	1,00,000/-
19	Non- Invasive Hemoglobin Measurement Device	Dr. Nital Patel	Nirma University	1,00,000/-
	Synthesis and Characterization of Hexaferrite Material for Versatile Applications	Dr. Tanuj Gupta	Nirma University	1,00,000/-
20	Smart Road Assistance for Visually Impaired People (SRAV 1)	Dr. Bhupendra Fataniya	Nirma University	83,000/-
21	Fault Diagnosis in Sensor Nodes or IOT Based Smart Agriculture	Dr. Santoshinee Mohapatra	Nirma University	71,394/-
22	Real-Time Health Monitoring System for the Elderly	Dr. Pimal Khanpara	Nirma University	59,630/-
23	Real-Time Smart Parking Management for Nirma University	Dr. Bela Shrimali	Nirma University	66,320/-
24	A Cloud-Based Energy Consumption Analytics in University Campus	Dr. Aparna Kumari	Nirma University	99,000/-
25	Design and Development of a Working Tool of Visual Speech and Speaker Recognition for Marathi and Gujarati Language.	Dr. Ramesh Ram Naik	Nirma University	91,099/-
26	Energy-Efficient Green Infrastructure for Classrooms	Dr. Vivek Kumar Prasad	Nirma University	95,000/-
27	IoT- Driven AAQ (Ambient Air Quality) Monitoring System	Dr. Rebakah Geddam	Nirma University	78,350/-
28	Towards Big Data Management in Agriculture	Dr. Purnimaben Gandhi	Nirma University	50,000/-
29	Design of Secure and Smart USB Drive.	Dr. Tejal Upadhyay	Nirma University	1,00,000/-
30	Hardware Development of AI/ML based Object Detection using Image Sequencing	Dr. Vaishali Dhare	Nirma University	1,96,000/-
31	Integration of PV and BES to DC Microgrid Using Multi-Input High Gain Converter	Prof. V V S Karri Satyanarayana	Nirma University	1,55,000/-

### Research Publications

1. Sidhartha Sondh, Darshit S. Upadhyay, Sanjay Patel, Rajesh N. Patel, "Strategic Approach Towards Sustainability By Promoting Circular Economy-Based Municipal Solid Waste Management System - A Review", Sustainable Chemistry And Pharmacy, (2024), 37, (1), 101337
2. Narasimha Reddy Ravuru, Sanjay Patel, Amit Kumar, "Experimental Studies On Renewable Hydrogen Production By Steam Reforming Of Glycerol Over Zirconia Promoted On Ni/Al<sub>2</sub>O<sub>3</sub> Catalyst", International Journal Of Reactor Engineering, (2023), 22, (1), 87 - 95

3. Shah Nimish Rajnikant, Mamta Saiyad, Milind Joshipura, Shibu Pillai, Ankur Dwivedi, "Study On Industrial Applications Of Green Chemistry Principles", *European Chemical Bulletin*, (2023), 12, (9), 1555 - 1568
4. Ruparelia Jayesh Prabhudas, "Preparation And Application Of Ageceeo Composite Metal Oxide Catalyst In Catalytic Ozonation For Elimination Of Reactive Black 5 Dye From Aqueous Media", *Water Science And Engineering*, (2023), 17, (3), 257 - 265
5. Bora Leena Vijaykumar, "Treatment Of Waste Using Waste-Derived Materials And Free Energy: A Practical Concept Of Circular-Economy", *Sustainable Chemistry And Pharmacy*, (2024), 37, (1), 101341
6. Bora Leena Vijaykumar, "Intensification Strategies Of Solar Photocatalytic Disinfection-A Review", *Inorganic Chemistry Communications*, (2023), 157, (1), 111292
7. Saiyad Mamta Mainak, Nimish Shah, "Validating Experimental Data For Attenuation Coefficients Of Developed Polymer Composites In Shielding Applications Through Monte Carlo Simulation", *International Journal Of Chemical Reactor Engineering*, (2024), 22, (1), 79 - 85
8. Ruparelia Jayesh Prabhudas, "Anaerobic Treatment Of Real Dye Wastewater Using A Modified Internal Circulation Reactor", *Journal Of Environmental Engineering (United States)*, (2024), 150, (1), 4023092
9. Joshipura Milind Himkarbhai, Krunal Suthar, "The Integrative Approach Of Learning Chemical Engineering Thermodynamics By Using Simulation-Based Exercises", *Education For Chemical Engineers*, (2023), 45, 122 - 129
10. Narasimha Reddy Ravuru, Sanjay Patel, Amit Kumar, "Experimental Studies On Renewable Hydrogen Production By Steam Reforming Of Glycerol Over Zirconia Promoted On Ni/Al<sub>2</sub>O<sub>3</sub> Catalyst", *International Journal Of Chemical Reactor Engineering*, (2023), 22, (1), 87 - 95
11. Sharma S, Chokshi N, Ruparelia Jayesh Prabhudas, "Effect Of Operating Parameters On O<sub>3</sub>, O<sub>3</sub>/Uv, O<sub>3</sub>/Uv/Ps Process Using Bubble Column Reactor For Degradation Of Reactive Dyes", *Journal Of The Institution Of Engineers (India): Series A*, (2023), 104, (1), 565 - 578
12. Joshipura Milind Himkarbhai, Krunal Suthar, "Experimental Measurement And Empirical Modeling Of Surface Tension Of Ammonium And Phosphonium Salt-Based Dess", *Brazilian Journal Of Chemical Engineering*, (2024), 41, (1), 597 - 612
13. Saiyad Mamta Mainak, Nimish Shah, "The Extent Of Reaction Traced By Determination Of N<sub>2</sub> Content For Synthesised Cationic Biodegradable Polymer Flocculant", *Vietnam Journal Of Chemistry*, (2023), 61, (10.1002/Vjch.202200112), 1 - 8
14. Shah Nimish Rajnikant, Tejal Mehta, Desai Harsh, "Azeotropic Dehydrative (Solution) Polycondensation Of Lactic Acid To Polylactic Acid (Pla): A In-Depth Review Of An Overlooked Method For Manufacturing Pla", *Polymer-Plastics Technology And Materials*, (2023), 62, (11), 1394 - 1402
15. Bora Leena Vijaykumar, "Solar Photocatalytic Pathogenic Disinfection: Fundamentals To State-Of-The-Art", *Water Science And Engineering*, (2023), 16, (2), 132 - 142
16. Bora Leena Vijaykumar, "Biowaste Derived UV-Vis-Nir Active Z-Scheme Cao/Mos<sub>2</sub> Photocatalyst As A Low-Cost, Waste-To-Resource Strategy For Rapid Wastewater Treatment", *Journal Of Photochemistry And Photobiology A: Chemistry*, (2024), 446, 115172
17. Chokshi Nikita Piyushkumar, Jayesh Ruparelia, Sandip Sharma, "Preparation And Application Of Ag-La-Co Composite Metal Oxide Catalyst In Catalytic Ozonation For Elimination Of Reactive Black 5 Dye From Aqueous Media", *Water Science And Engineering*, (2023), 17, (3), 257 - 265
18. Kangana Bhatt, Sanjay Patel, Darshit S Upadhyay, Rajesh N Patel, "In-Depth Analysis Of The Effect Of Catalysts On Plasma Technologies For Treatment Of Various Wastes", *Journal Of Environmental Management Reduction*, (2023), 344, (1), 118335
19. Joshipura Milind Himkarbhai, Parag Saxena, Nimish Shah, Madhu Aggarwal, Ankur Dwivedi, Shibu Pillai, "Determining And Modeling Of Density And Viscosity Of Biodiesel-Diesel And



- Biodiesel-Diesel-Butanol Blends", International Journal Of Chemical Reactor Engineering, (2023), 21, (12), 1561-1569
20. Jodhani Keval Hareshbhai, Dhruvesh Patel, N Madhavan, Sudhir Kumar, "Soil Erosion Assessment By Rusle, Google Earth Engine, And Geospatial Techniques Over Rel River Watershed, Gujarat, India", Water Conservation Science And Engineering, (2023), 8, (8), 49
  21. Purohit Sharadkumar Puranand, Utsav K. Koshti, Abhishek Patel, "Characterization And Implementation Of Adas Type Hysteretic Damping Device In Steel Structure", The Iup Journal Of Structural Engineering, (2023), 16, (1), 1-11
  22. Purohit Sharadkumar Puranand, Jhanvi M. Suthar, "Seismic Behavior Analysis Of Reinforced Concrete Buildings With Coupled Irregularities", The Iup Journal Of Structural Engineering, (2023), 16, (3), 1-17
  23. Joshi Tejas Mukundbhai, Pulkit Mathur, Urmil Dave, "Impact Of Recycled Aggregates On Mechanical Properties Of Concrete", Material Today Proceedings, (2023), 80, (2), 674- 680
  24. Purohit Sharadkumar Puranand, Arth J. Patel, "Axial-Flexural Behaviour Of Concrete Filled Double Skinned Steel Tabular (Cfdst) Composite Column: Experimental Investigations", Materials Today: Proceedings, (2023), 1, (1), 1 - 8
  25. Purohit Sharadkumar Puranand, Jhanvi Suthar, "Seismic Behavior Of Re-Entrant Corner Dominant Rc Frame Buildings", Research On Engineering Structures And Materials, (2023), 9, (4), 1 - 20
  26. Haroon Rasheed Khan, Mokaddes Ali Ahmed, Manish Dutta, "A Comprehensive Madm Based Approach For Evaluating Walkability Of A Busy Market Area Using Gra And Copras: A Case Study Of Aminabad, Lucknow", Advances In Transportation Studies, (2023), (60), 107 - 124
  27. Raiyani Sunil Dineshbhai, Paresh V Patel, "Torsional Strengthening Of Reinforced Concrete Hollow Beams With Stainless Steel Wire Mesh", Proceedings Of The Institution Of Civil Engineers - Structures And Buildings, (2023), 176, (8), 584 - 600
  28. Joshi Tejas Mukundbhai, Urmil Dave, Utsav Modh, "Influence Of Styrene Butadiene Rubber Latex And Fly-Ashon Pervious Concrete Incorporating Natural And Recycled Aggregate", AIP Conference Proceedings, (2023), 2855, (1), 050018, 1-10
  29. Joshi Tejas Mukundbhai, Hasan Rangwala, Apurav Prajapati, "Use Of Scm In Manufacturing The Compressed Brick Optimizing Embodied Energy And Carbon Emission", Journal Of Sustainable Construction Materials And Technologies, (2023), 8, (4), 260-268
  30. Joshi Tejas Mukundbhai, Hetavi Patel, Foram Shah, Sonal Thakkar, "Effect Of Different Ph Of Water On Properties Of Concrete", Aip Conference Proceedings, (2023), 2855, (1), 1 - 9
  31. Purohit Sharadkumar Puranand, Utsav K. Koshti, "Development And Characterization Of Air And Nitrile Rubber Based Prototype Passive Damping Devices", The Iup Journal Of Structural Engineering, (2024), 17, (1), 1 - 16
  32. Purohit Sharadkumar Puranand, Jhanvi M. Suthar, "Fundamental Period Equations For Plan Irregular Moment Resisting Frame Buildings", Advances In Civil And Architectural Engineering, (2024), 15, (28), 15 - 32
  33. Nainesh Advani, Het Danak, Manish Dutta, Suprava Jena, "Spherical Cap Studs: A Novel Speed Bump Alternative To Reduce Discomfort With Effective Speed Reduction", Traffic Injury Prevention, (2024), 25, (2), 228 - 236
  34. Jodhani Keval Hareshbhai, Dhruvesh Patel, N Madhavan, "Channel Planform Dynamics Using Earth Observations Across Rel River, Western India: A Synergetic Approach", Spatial Information Research., (2024), 5, (12), 12
  35. Jodhani Keval Hareshbhai, Haard Patel, Utsav Soni, Nitesh Gupta, Anant Patel, "Assessment Of Forest Fire Severity And Land Surface Temperature Using Google Earth Engine: A Case Study Of Gujarat State, India", Fire Ecology, (2024), 20, (23), 24
  36. Naman Kantaria, Tanaya Mukati, Ajanta Sachan, "Stress-History Impact On Yielding, Shear And Energy Dissipation Response Of Earthen Dam Soil Under Static And Cyclic Loading

- Conditions", *Geomechanics And Geoengineering: An International Journal*, (2023), 19, (2), 162 - 182
37. Naman Kantesaria, Ajanta Sachan, "Effect Of Suction On Small-And Large-Strain Dynamic Shear Characteristics And Volumetric Deformations Of Compacted High-Plasticity Clay", *International Journal Of Civil Engineering*, (2023), 22, (3), 271 - 288
  38. Suthar Jahanvi Miteshkumar, Sharadkumar P. Purohit, "Seismic Behaviour Of Re-Entrant Dominant Rc Frame Buildings", *Research On Engineering Structures & Materials*, (2023), 9, (3), 901 - 920
  39. Suthar Jahanvi Miteshkumar, Sharadkumar P. Purohit, "Fundamental Period Equations For Plan Irregular Moment-Resisting Frame Buildings", *Advances In Civil And Architectural Engineering*, (2024), 15, (28), 15 - 32
  40. Suthar Jahanvi Miteshkumar, Sharadkumar P. Purohit, "Seismic Behavior Of Reinforced Concrete Buildings With Coupled Irregularities", *The Iup Journal Of Structural Engineering*, (2023), 1, (1), 1 - 17
  41. Patel Anant Darshanbhai, Nirali Chaudhari, "Enhancing Water Security Through Site Selection Of Water Harvesting Structures In Semi-Arid Regions: A Gis-Based Multiple Criteria Decision Analysis.", *Water Science & Technology, Water Supply*, (2023), 23, (10), 4149 - 4165
  42. Patel Anant Darshanbhai, S. M. Yadav, "Improving The Reservoir Inflow Prediction Using Tigge Ensemble Data And Hydrological Model For Dharoi Dam, India.", *Water Science & Technology, Water Supply*, (2023), 23, (11), 4489 - 4509
  43. Patel Anant Darshanbhai, S. M. Yadav, "Development Of Flood Forecasting And Warning System Using Hybrid Approach Of Ensemble And Hydrological Model For Dharoi Dam", *Water Practice & Technology*, (2023), 18, (11), 2862 - 2883
  44. Patel Anant Darshanbhai, S. M. Yadav, "Performance Evaluation And Verification Of Post-Processing Methods For Tigge Ensemble Data Using Machine Learning Approaches", *Journal Of Water And Climate Change*, (2024), 15, (4), 1729 - 1749
  45. Patel Anant Darshanbhai, Daivee Vyas, Nirali Chaudhari, Rinali Patel, Krisee Patel, Darshan Mehta, "Novel Approach For The Lulc Change Detection Using Gis & Google Earth Engine Through Spatiotemporal Analysis To Evaluate The Urbanization Growth Of Ahmedabad City", *Results In Engineering*, March, (2024), 101788
  46. Patel Anant Darshanbhai, Rinali Patel, "Evaluating The Impact Of Climate Change On Drought Risk In Semi-Arid Region Using Gis Technique", *Results In Engineering*, (2024), 21(1):101957
  47. Patel Anant Darshanbhai, Rutuja Balgude, "Flood Inundation Mapping Of Upper Krishna Basin Using Hydrodynamic Model", *Disaster Advances*, (2023), 16, (4), 8 - 15
  48. Joshi Tejas Mukundbhai, Urmil Dave, Shivang Kadiya, Divyesh Ghelani, Arihant Jain, "Material Development And Construction Of Lightweight Geopolymer Concrete Canoe", *Indian Concrete Journal*, (2024), 98, (1), 43 - 52
  49. Patel Arth J., Purohit Sharadkumar P., "Axial-Flexural Behaviour Of Concrete Filled Double Skinned Steel Tubular (Cfdst) Composite Column: Experimental Investigations", *Material's Today*, (2023), 1- 9
  50. Karri V V Satyanarayana, Rakesh Maurya, "Single Switch High Voltage Gain Dc-Dc Converter For Renewable Energy Applications", *International Journal Of Power Electronics*, (2024), 19, (1), 1 - 23
  51. Godwal Shanker Dalchand, Kartik S Pandya, Santosh C Vora, Chintan R Mehta, Vipul N Rajput, "Optimal Overcurrent Relay Coordination For Interconnected Power Systems: A Proper Approach And Improved Technique", *Optimal Overcurrent Relay Coordination For Interconnected Power Systems: A Proper Approach And Improved Technique*, (2023), 5, 100248
  52. Godwal Shanker Dalchand, Kartik S Pandya, Akhilesh A Nimje, Vipul N Rajput, "Design And Analysis Of Power Distribution Systems For Optimum Over-Current Relay Coordination Using

- Voltage Component Of Fault Current Limiters", *International Journal Of Advanced Technology And Engineering Exploration (Ijatee)*, (2023), 10, (102), 624 - 640
53. Shanker Godwal, Kartik Pandya, Akhilesh Nimje, Vipul Rajput, "Design & Analysis Of Power Distribution Systems For Optimum Over-Current Relay Coordination Using Voltage Component Of Fault Current Limiters", *International Journal Of Advanced Technology And Engineering Exploration*, (2023), 10, (102), 624 - 640
  54. Hormaz Amroliya, Santosh C Vora, K P Badgujar, "Understanding Frequency Response Of Induction Motor Winding Through Electromagnetic Wave Equations", *Advances In Electrical And Electronic Engineering*, (2023), 21, (3), 216 - 225
  55. D. V. Upadhyay, S. C. Vora, M. T. Shah, N. P. Singh, "Assessment And Optimization Of Output Filter For Microsecond Transient In Psm-Based Megawatt Hvps", *Ieee Transactions On Plasma Science*, , (2023), 51, (7), 1988 - 1995
  56. Mausri Bhuyan, Dulal Chandra Das, Amar Kumar Barik, "Chaotic Butterfly Optimization Algorithm Based Cascaded Pi-Tid Controller For Frequency Control In Three Area Hybrid Microgrid System", *Optimal Control Applications And Methods*, (2023), 44, (5), 2595 - 2619
  57. Mausri Bhuyan, Dulal Chandra Das, Amar Kumar Barik, Subash Chandra Das, "Performance Assessment Of Novel Solar Thermal Based Dual Hybrid Microgrid System Using Cboa Optimized Cascaded Pi-Tid Controller", *Iete Journal Of Research*, (2023), 69, (12), 9076 - 9093
  58. Jatin Soni, Kuntal Bhattacharjee, "Equilibrium Optimizer For Multi-Objective Dynamic Economic Emission Dispatch Integration With Plug-In Electric Vehicles And Renewable Sources", *Multiscale And Multidisciplinary Modeling, Experiments And Design*, (2024), 7, 2683–2699
  59. Jatin Soni, Kuntal Bhattacharjee, "Integrating Renewable Energy Sources And Electric Vehicles In Dynamic Economic Emission Dispatch: An Oppositional-Based Equilibrium Optimizer Approach", *Engineering Optimization*, (2024), January, 4.
  60. Jatin Soni, Kuntal Bhattacharjee, "Equilibrium Optimizer For The Economic Load Dispatch Problem With Multiple Fuel Option And Renewable Sources", *International Journal Of Ambient Energy*, (2023), 44, (1), 2386 -2397
  61. Kartik Sharma, Akhilesh A Nimje, Shanker D Godwal, "Power Flow Control And Power Oscillation Damping In A 2-Machine System Using Sssc During Faults", *Journal Energy Harvesting And Systems*, (2023), 10, (2), 291-301
  62. Soumesh Chatterjee, Sarika Sanjay Kanojia, Janaksinh Ven, Utsavkumar Mishra, "Solar Energy-Supported User-Friendly Ev Charging Solution Based On Iot", *Journal Of The Institution Of Engineers (India): Series B*, (2024), 1, (1), 1 - 6
  63. A. N. Patel, P. J. Doshi, S. C. Mahagoakar, T. H. Panchal, "Optimization Of Cogging Torque In Interior Permanent Magnet Synchronous Motor Using Optimum Magnet V-Angle", *Electrical Engineering & Electromechanics*, (2023), 6, (6), 16 - 30
  64. Amroliya Hormaz Z., Ketan P Badgujar, "An Overview Of Techniques For Detecting Mechanical Anomalies In Induction Motors", *Transactions Of The Indian National Academy Of Engineering*, (2024), 9, (1), 1 - 16
  65. Henil Gajjar, Trushti Selarka, Absar M. Lakdawala, Dhaval B. Shah, P. N. Kapil, "A Comparative Analysis Of Various Deep-Learning Models For Noise Suppression", *Eai Endorsed Transactions On Internet Of Things*, (2023), 10, (1), 1 - 9
  66. Jani Swapnil Nalinkumar, Jitendra G. Jamnani, "A Comparative Study Of Electric Motor For Low-Power Density Electric Vehicles", *Environmental Science And Pollution Research*, (2023), 1, (1), 1 - 7
  67. Jani Swapnil Nalinkumar, Jitendra Jamnani, "Performance Validation Of Pm Assisted Synrm And Pmsm With Optimized Design For Ev Application", *Transactions On Energy Systems And Engineering Applications (Tesea)*, (2023), 4, (2), 1 14

68. V K Singh, Patel Rajeshkumar Naranbhai, S S Sisodia, Akshat Patel, Tirth Shah, R R Bhavsar, "Thermoelectric Cooler (Tec) Based Thermal Control System For Space Applications: Numerical Study", *Applied Thermal Engineering*, (2023), 224, (120101), 17
69. Pratima Shah, Ratna Rao, "Collaborative Learning: A Tool To Enhance Communication Skills", *Indian Journal Of Technical Education*, (2023), 46, (3), 109-117
70. Mishra Richa Patanjali, "Digital Humanities In Action: Bibliometric Analysis Of Peer-Reviewed Research On Critical Thinking", *NUJET*, (2023), 1, (1).
71. Haritha G, Ratna Rao, "A Holistic Approach To Professional Development Integrating experimental Learning Theory For Soft Skill Mastery", *Jeet*, (2024), 37, (2), 415 - 424
72. Bijal Yeolekar, Ratna Rao, Mahesh Yeolekar, "Mathematical Model For Teaching Dynamics During Covid-19", *Dcds*, (2024), 31, (2), 77 - 78
73. Malhotra Sandeep Hideshkumar, Hemant Goklani, Kinjal Solanki, "Cross Style Image Synthesis Through Semi Coupled Dictionary Learning And Generalized Cross Validation Algorithm", *Suranaree J. Sci. Technol.*, (2023), 30, (6), 010263, 1 - 11
74. Tapan Datta Kumar, Sayantan Datta, Adrijit Goswami, "A Sustainable Bi-Objective Inventory Model With Source-Based Emissions And Plan-Based Green Investments Under Inflation And The Present Value Of Money", *Operations Research And Decisions*, (2024), 34, (1), 91 - 117
75. Chetna Biswas, Subir Das, Anup Singh, Tomasz Sadowski, "Numerical Solution Of Two-Dimensional Nonlinear Riesz Space-Fractional Reaction-Advection-Diffusion Equation Using Fast Compact Implicit Integration Factor Method", *Journal Of Applied Mathematics And Mechanics*, (2023), 103, (9), E202200334
76. J.P. Chauhan, Yeolekar Bijal Mahesh, M.A. Yeolekar, "Fractional Mathematical Model Of Listeria Infection Caused By Pre-Cooked Package Food", *Results In Control And Optimization*, (2024), 14, (45352), 100371
77. Abhibasu Sen, Karabi Dutta Choudhury, Tapan Kumar Datta, "Effect Of Green Technology Investment On Crude Oil Inventory System - A Case Study Based On Ongc Data", *Yugoslav Journal Of Operations Research*, (2023), 34, (1), 177 - 200
78. Gilbert Hinge, Swati Sirsant Devendra Nath, Amandeep Kumar, Ruchika Gupta, Mohamed A. Hamouda, "Enhancing Flood Prediction In Southern West Bengal, India Using Ensemble Machine Learning Models Optimized With Symbiotic Organisms Search Algorithm", *Stochastic Environmental Research And Risk Assessment*, (2024), 1, (1), 1 - 17
79. Chetna Biswas, Anup Singh, Manish Chopra, Subir Das, "Study Of Fractional-Order Reaction-Advection-Diffusion Equation Using Neural Network Method", *Mathematics And Computers In Simulation*, (2023), 208, (1), 15 - 27
80. Rajesh Sharma, "Transient Mhd Free Convection Flow, Heat And Mass Transfer In Darcy's Forchheimer Porous Medium In The Presence Of Chemical Reaction And Heat Absorption With Soret And Dufour Effects: Element-Free Galerkin Modelling", *Mathematical Models And Computer Simulations*, (2023), 15, (2), 357 -372
81. Amandeep Singh, "Narrating Oil: Witnessing Eco-Crisis And Violence In Helon Habila's Petrofiction Oil On Water (2010)", *Drishti: The Sight*, (2023), 12, (1), 65 - 68
82. Maitri Raval, Amit Parikh, Bijal Yeolekar, "Hiv-Cm (Cryptococcal Meningitis) Co-Infection And Control In Immunocompromised Individuals", *European Journal Of Chemical Bulletin*, (2023), 12, (7(Special Issue)), 1463 - 1483
83. Jignesh Patel, Bimal Kumar Mawandiya, Kaushik Patel, Makhesana Mayurkumar Ashwinbhai, Manish Gupta, Karrar Hazim Salem, Satbir S. Sehgal, "Experimental Investigations And Effect Of Parameters On Friction Welded Aisi 304 And Invar Alloys", *Advances In Materials And Processing Technologies*, (2023), In Press, (In Press), 1 - 13
84. Makhesana Mayurkumar Ashwinbhai, P.J.Bagga, M.K.Agrawal, Jemin Mangukiya, Rohan Patel, K.M.Patel, Yagya Dutta Dwivedi, "Investigation On The Effect Of Process Parameters And

- Optimization Using Gra Under Biodegradable Oil Based Mql In Machining", *International Journal On Interactive Design And Manufacturing*, (2023), 18, 3133-3144
85. Bhatt Anand Ambaprasad, Sanjay V Jain, Rajesh N Patel, Dipak Vaghela, "Parametric Study On Axially Grooved Heat Pipe With Two Heat Sources And One Heat Sink With Multiple Branches", *Journal Of Thermal Science And Engineering Applications*, (2023), 15, (6), 061004 - 1
  86. Mayur A Makhesana, Bagga Prashant Jagdishchandra, Kaushik M Patel, Jose J. Taha-Tijerina, "Effects Of Machining Parameters Of C45 Steel Applying Vegetable Lubricant With Minimum Quantity Cooling Lubrication (Mqcl)", *Lubricants*, (2023), 11, (332), 1 - 15
  87. Balkrushna A Shah, Parth Patel, Vikas J Lakhera, "Evaluation Of Pressure, Surface Characteristics, And Fluid Properties Effect On Pool Boiling Heat Transfer Over Plain And External Micro-Finned Cylindrical Surfaces", *Asme Journal Of Thermal Science And Engineering Applications*, (2023), 15, (11), 111011
  88. Jigneshsinh Rathod, Lakhera Vikas Janardhanprasad, Atindra Shukla, "Effect Of Working Fluid, Orientation, And Cooling Mode On Thermal Performance Of Miniature Flat Heat Pipe", *Asme Journal Of Thermal Science And Engineering Applications*, (2023), 15, (9), 91011
  89. Makhesana Mayurkumar Ashwinbhai, K.M.Patel, P.J.Bagga, "Machinability Investigation Of Ti-6al-4v Titanium Alloy Under Dry, Flood, Mql And Nanofluid-Mql Techniques Using Textured Tools", *Advances In Materials And Processing Technologies*, (2023), 1 - 15
  90. Prashant J. Bagga, Makhesana Mayurkumar Ashwinbhai, Dhrumil L. Bhavsar, Jaymin Joshi, Krutik Jain, K. M. Patel, "Experimental Investigation Of Different Nn Approaches For Tool Wear Prediction Based On Vision System In Turning Of Aisi 1045 Steel", *International Journal On Interactive Design And Manufacturing*, (2023), 17, (5), 2565 - 2582
  91. Makhesana Mayurkumar Ashwinbhai, K.M.Patel, Grzegorz M. Krolczyk, Mohd Danish, Anil Kumar Singla, Navneet Khanna, "Influence Of Mos2 And Graphite-Reinforced Nanofluid-Mql On Surface Roughness, Tool Wear, Cutting Temperature And Microhardness In Machining Of Inconel 625", *Cirp Journal Of Manufacturing Science And Technology*, (2023), 41, (45017), 225 - 238
  92. Patel Anand Somabhai, Dr. Kaushik M Patel, "Status Of Lean Six Sigma Implementation In Indian Industries: A Cross-Sectional National Survey", *International Journal Of Lean Six Sigma*, (2023), 14, (4), 791 - 814
  93. Jigneshsinh Rathod, Lakhera Vikas Janardhanprasad, Atindra Shukla, "Experimental Study On The Effect Of Graphene And Al<sub>2</sub>O<sub>3</sub> Nanofluids In A Miniature Flat Heat Pipe", *Thermal Science And Engineering Progress*, (2023), 42, July 2023, 101905
  94. Anesu Nyabadza, Eanna Mccarthy, Makhesana Mayurkumar Ashwinbhai, Saeid Heidarinasab, Anouk Plouze, Mercedes Vazquez, Dermot Brabazon, "A Review Of Physical, Chemical And Biological Synthesis Methods Of Bimetallic Nanoparticles And Applications In Sensing, Water Treatment, Biomedicine, Catalysis And Hydrogen Storage", *Advances In Colloid And Interface Science*, (2023), 321, (1), 103010
  95. Anesu Nyabadza, Eanna Mccarthy, Makhesana Mayurkumar Ashwinbhai, Anouk Plouze, Karsten Fleischer, Mercedes Vazquez, Dermot Brabazon, "Bimetallic Oxide Mg-Cu Nanoparticles Synthesis And Application In Photometric Sensing Of Trypsin In The Presence Of Tap Water, Ammonia, And Glutamine", *Materials Today Communications*, (2023), 37, (1), 107015
  96. Upadhyay Darshit Shaileshkumar, Amita Chaudhary, Rajesh N Patel, "Influence Of Catalyst On Producer Gas Quality In Fixed Bed Gasifier Using Lignite And Wood Feedstock", *Journal Of Fluid Flow, Heat And Mass Transfer*, (2023), 10, 51 - 61
  97. Patel Dhaval Vallabhbhai, Bhojawala Vipul Manharlal, Patel Kaushik Mithabhai, "Rolling Element Bearing Fault Diagnosis Using An Integrated Approach Incorporating Teager's Kaiser Energy Operator And Singular Spectrum Analysis", *Journal Of Vibration Engineering & Technologies*, (2023), 11, (8), 3859 - 3878

98. Dhvanil Chauhan, Makhesana Mayurkumar Ashwinbhai, R A Rahman Rashid, Vivek Joshi, Navneet Khanna, "Comparison Of Machining Performance Of Ti-6al-4v Under Dry And Cryogenic Techniques Based On Tool Wear, Surface Roughness, And Power Consumption", *Lubricants*, (2023), 11, (11), 493
99. Sidhartha Sondh, Upadhyay Darshit Shaileshkumar, Sanjay Patel, Rajesh N. Patel, "Strategic Approach Towards Sustainability By Promoting Circular Economy-Based Municipal Solid Waste Management System- A Review", *Sustainable Chemistry And Pharmacy*, (2024), 37, 101337
100. Dev S. Hathi, Pratik M. Panchal, Atul Sharma, Rochish Thaokar, Absar M. Lakdawala, "A Numerical Study On Breakup Of A Liquid Jet In An Axial Electric Field", *Journal Of Aerosol Science*, (2023), 170, (1), 106142
101. Kuntal Patel, Javed Shaikh, Absar Lakdawala, Atul Sharma, "Adaptive Interface-Mesh Un-Refinement (Aimur) Based Sharp-Interface Level-Set-Method For Two-Phase Flow", *Sadhana*, (2023), 48, (1), 22
102. Tejas Rava, Varun Sharma, Absar Lakdawala, "Lattice Boltzmann Method Based Model For Fluid Flow Simulations", *Aip Conference Proceedings*, (2023), 2872, (1), 6
103. Trushti Selarka, Henil Gajjar, Yuvrajsinh Chauhan, P. N. Kapil, Dhaval B. Shah, Absar M. Lakdawala, "Low Voltage Systems For Electric Atvs", *Ieee Xplore*, (2023), 23746498, (1), 7
104. Saurabh Tiwari, M Amarnath, Munish Kumar Gupta, Makhesana Mayurkumar Ashwinbhai, "Performance Assessment Of Nano-Al<sub>2</sub>O<sub>3</sub> Enriched Coconut Oil As A Cutting Fluid In Mql-Assisted Machining Of Aisi-1040 Steel", *International Journal Of Advanced Manufacturing Technology*, (2023), 129, (45385), 1689 -1702
105. Arvind Sankhla, Kaushik Patel, Mayur Makhesana, Anand Patel, Kapil Gupta, "Investigations On The Influence Of Laser Surface Treatment On Hardness And Wear Behaviour Of Al-Mmc Prepared Through Powder Metallurgy Route", *Facta Universitatis, Series: Mechanical Engineering*, (2024), 1 - 18
106. Shah Balkrushna Arvindbhai, Parth Patel, Vikas J. Lakhera, "Evaluation Of Pressure, Surface Characteristics And Fluid Properties Effect On Pool Boiling Heat Transfer Over Plain And External Micro-Finned Cylindrical Surfaces", *Journal Of Thermal Science And Engineering Applications*, (2023), 15, (11), 1 - 15
107. Roshan Tandel, Rajesh N Patel, Sanjay V Jain, "Correlation Development Of Erosive Wear And Silt Erosion Failure Mechanisms For Pump As Turbine", *Engineering Failure Analysis*, (2023), 153, 107610
108. Anand A Bhatt, Rajesh N Patel, Sanjay V Jain, "Experimental Investigations On Novel Orientation Study On Axially Grooved Heat Pipe With Two Evaporators And One Condenser With Multiple Branches", *Heat And Mass Transfer*, (2023), 60, 377 - 393
109. Ath S Singhal, Rajesh N Patel, Sanjay V Jain, "Development Of Novel Low-Speed Open Jet Wind Tunnel Equipped With Plenum Chamber For Testing Of Aero-Rotors", *Results In Engineering*, (2024), 21, 101913
110. Vivek Jasani, Deep Patel, Shah Dhaval Bipinchandra, Lakdawala Absar, "Design And Development Of Chassis For Formula Student Vehicle Using Fe Analysis", *Aip Conference Proceedings*, (2023), 2901, (1), 100007
111. Vishal Mehta, Chauhan Mihir Mahendrabhai, "Conceptualization And Topology Optimization Of Ampheel: An Integration Of Rolling Wheel And Turtle-Inspired Mechanism For Amphibious Mobile Robot", *International Journal Of Robotics And Control Systems*, (2024), 4, (1), 334 - 353
112. Dipali Pandyaal, Amarish Badgajar, Mohamed Rafik Noor Mohamed Qureshi, Nilesh Ghetiya, "Flux-Bounded Tig Welding Process In Duplex Stainless Steel: A Performance Enhancement Study", *International Journal Of Materials Engineering Innovation*, (2023), 14, (3), 244 - 257

113. Makwana Rudreshkumar Dineshbhai, Bharat Modi, Kaushik Patel, "In Process Grain Refinement On Aa5052-H32 Sheet Metal In Single-Stage Single Point Square Hole Flanging", *Manufacturing Letters*, (2023), 35, (Supplement), 232 - 238
114. Viren Parikh, Amarish Badgujar, Nilesh Ghetiya, "Investigation Of Microstructural And Wear Properties Of Stir Cast And Friction Stir Processed Aa 2014-Based Metal Matrix Composites", *Advances In Materials And Processing Technologies*, (2023), 9, (4), 1920 - 1940
115. Rushiraj Vala, Vishal Mehta, Mihir Chauhan, "Design Conceptualization And Kinematic Analysis Of Locomotion Gait For A Caterpillar-Inspired Robot", *Aip Conference Proceedings*, (2023), 2946, (1), 20006
116. Kautilya Patel, Shah Dhaval Bipinchandra, Shashikant Joshi, Kaushik Patel, "Developments In 3d Printing Of Carbon Fiber Reinforced Polymer Containing Recycled Plastic Waste: A Review", *Cleaner Materials*, (2023), 9, (100207)
117. Shah Darshita Jigar, Dave Jatin, Patel Amisha, Parth Jadhav, "Design Of Climbing Robot For Inspection Of Telecom Tower", *Aip*, (2023), 2946, (1)
118. Darshita Shah, Karan Sharma, Maharsh Shanghvi, Jatin Dave, Dhaval Shah, "Development Of A Prototype Of A Floor Cleaning Robot", *Aip*, (2023), 2946, (1)
119. Prof Shah Darshita Jigar, Dr. Jatin Dave, "A Comprehensive Review On Deploying Robotics Application In Telecom Network Tower's Field Maintenance: Challenges With Current Practices And Feasibility Analysis For Robotics Implementation", *Journal Of Field Robotics*, (2023), 40, (5), 1860 - 1883
120. Vipul J Kalyani, Digesh D Joshi, Paresh V Patel, "Study Of The Behaviour Of Frp Materials And Epoxy Adhesives Under Elevated Temperature", *Materials Today: Proceedings*, (2023), 1 - 8
121. Paresh V Patel, Digesh D Joshi, Rinkesh V Makawana, "Experimental Studies On Confined Compressive Strength Of Stainless Steel Wire Mesh (Sswm) Wrapped Concrete Columns", *Materials Today: Proceedings*, (2023), 1 - 7
122. P. V. Patel, D. D. Joshi, R. V. Makawana, "Experimental Studies To Evaluate Tensile And Bond Strength Of Stainless-Steel Wire Mesh (Sswm)", *Frattura Ed Integrità Strutturale (Fracture And Structural Integrity)*, (2023), 65, 257 - 269
123. Rinkesh V. Makawana, Paresh V. Patel, Digesh D. Joshi, "Seismic Performance Of Exterior Rc Beam-Column Junction Strengthened With Stainless Steel Wire Mesh (Sswm)", *Materials Today: Proceedings*, (2023), 1 - 9
124. Paresh V. Patel, Digesh D. Joshi, Rinkesh V. Makawana, "Investigating Mechanical Properties Of Stainless-Steel Wire Mesh Through Experimental Studies", *Science Talks*, (2024), 9, 1 - 8
125. Paresh Patel, Digesh Joshi, Rinkesh Makawana, Kevin Patel, "Effect Of Corrosion On Tensile Strength Of Stainless-Steel Wire Mesh (Sswm)", *Aip Conference Proceedings*, (2023), 2855, (1), 050013, 1 - 9
126. Tanuj Jhankal, Amit N Patel, "Performance Enhancement Of High Speed Interior Permanent Magnet Synchronous Motors Using Superior Magnetic Material", *Transactions On Energy Systems And Engineering Applications*, (2023), 4, (1), 18 - 34
127. Tanuj Jhankal, Amit N Patel, "Design And Cogging Torque Reduction Of Radial Flux Brushless Dc Motors With Varied Permanent Magnet Pole Shapes For Electric Vehicle Application", *Transactions On Energy Systems And Engineering Applications*, (2023), 4, (2), 2 - 13
128. Patel Amit Narayanbhai, P J Joshi, S C Mahagaokar, T H Panchal, "Optimization Of Cogging Torque In Ipmsm Using Optimum Magnet", *Electrical Engineering & Electromechanic S*, (2023), 6, (1), 16 - 20
129. Dave Jatinkumar Maheshkumar, Ashish Majithiya, "Discontinuous Gait For Statically Stable Stair Climbing And Descending Of Quadruped Robot With Horizontal Body Posture", *Australian Journal Of Mechanical Engineering*, (2024), 22, (1), 79 - 94

130. Priyam Parikh, Ankit Sharma, Reena Trivedi, Debanik Roy, "Performance Evaluation Of An Indigenously-Designed High Performance Dynamic Feeding Robotic Structure Using Advanced Additive Manufacturing Technology, Machine Learning And Robot Kinematics", *International Journal On Interactive Design And Manufacturing (Ijidem)*, (2023), 23, (3), 1 - 29
131. Shail Pratap Singh, Lukman Mansuri, D A Patel, Suman Chauhan, "Harnessing Bim With Risk Assessment For Generating Automated Safety Schedule And Developing Application For Safety Training", *Safety Science*, (2023), 164, 106179
132. D A Patel, Vineeth Dharampalan, Lukman Mansuri, "Pioneering Safety And Health In Construction: Emerging Trends And Strategies", *Journal Of Engineering, Project, And Production Management*, (2024), 14, (2), 12
133. Nishant Sachdeva, Prachi Kushwaha, Dinesh Kumar Sharma, "Impact Of Clay Brick Dust On Durability Parameters Of Bituminous Concrete", *Materials Today: Proceedings*, (2023), 80, (1), 110 - 115
134. Parth Patel, D V Patel, V H Lad, K A Patel, D A Patel, "Predicting Construction Crew Productivity For Concrete-Pouring Operations", *Journal Of Legal Affairs And Dispute Resolution In Engineering And Construction*, (2024), 16, (2), 04524001: 1 - 12
135. Aditya B Gandhi, V H Lad, D J Patel, D A Patel, "Feasibility Study Of Recycled Paver Block For Circular Economics Using System Dynamics Model", *Journal Of Legal Affairs And Dispute Resolution In Engineering And Construction*, (2024), 16, (2), 04523063: 1 – 10
136. Harshil Sanghvi, Rushir Bhavsar, Vini Hundlani, Lata Gohil, Tarjni Vyas, Anuja Nair, Shivani Desai, Nilesh Kumar Jadav, , Sudeep Tanwar, "Metahate: Ai-Based Hate Speech Detection For Secured Online Gaming In Metaverse Using Blockchain", *Security And Privacy*, Wiley, (2023), 7, (2), 1 - 20
137. Himanshu Vadher, Pal Patel, Anuja Nair, Tarjni Vyas, Shivani Desai, Lata Gohil, Sudeep Tanwar, "Eeg-Based Biometric Authentication System Using Convolutional Neural Network For Military Applications", *Security And Privacy*, Wiley, (2023), 7, (2), 1 - 25
138. Lavingia Kruti Rajesh, Raj Patel, Vivek Patel, Ami Lavingia, "Software Effort Estimation Using Machine Learning Algorithms", *Scalable Computing: Practice And Experience*, (2024), 25, (2), 1276 - 1285
139. Kapdi Rupal Amit, Snehal Rajput, Mohendra Roy, Mehul S. Raval, "Multi-View Brain Tumor Segmentation (Mvbts): An Ensemble Of Planar And Triplanar Attention Unets", *Turkish Journal Of Electrical Engineering And Computer Sciences*, (2023), 31, (6), 908 - 927
140. Kapdi Rupal Amit, Snehal Rajput, Mohendra Roy, Mehul S. Raval, "A Triplanar Ensemble Model For Brain Tumor Segmentation With Volumetric Multiparametric Magnetic Resonance Images", *Healthcare Analytics*, (2024), 5, (1), 1 - 10
141. Kapdi Rupal Amit, Jigna Patel, Jitali Patel, Ali Padaria, Mehta Aryan, Choksi Aryan, "Concolla - A Smart Emotion-Based Music Recommendation System For Drivers", *Scalable Computing: Practice And Experience*, (2023), 24, (4), 919 - 939
142. Patel Jigna Ashish, Ali Asgar Padaria, Aryan Mehta, Aaryan Chokshi, Jitali Dineshkumar Patel, , Rupal Kapdi, "Concolla-A Smart Emotion-Based Music Recommendation System For Drivers", *Scalable Computing: Practice And Experience*, (2023), 24, (4), 919 - 939
143. Parikh Vishal Umeshkumar, Yash Chelani, Parita Oza, "Social Distance Detection Using Customized Yolov4 (Sddyv4) Model", *International Journal Of Computing And Digital Systems*, (2023), 14, (1), 10481 - 10489
144. Shivani Pandya, Swati Jain, Jai Prakash Verma, "A Comprehensive Analysis Towards Exploring The Promises Of Ai-Related Approaches In Autism Research", *Computers In Biology And Medicine*, (2023), 168, (107801)



145. Alay Patel, Devam Patel, Riya Kakkar, Parita Oza, Smita Agrawal, Sudeep Tanwar, Ravi Sharma, Nagendar Yamsani, "Safeguarding The Iot: Taxonomy, Security Solutions, And Future Research Opportunities", *Security And Privacy*, (2023), 7, (2), 1 - 31
146. Ronakkumar Patel, Priyank Thakkar, Vijay Ukani, "Cnnrec: Convolutional Neural Network Based Recommender Systems - A Survey", *Engineering Applications Of Artificial Intelligence*, (2024), 133, (A), Early Access
147. Nilesh Kumar Jadav, Anuja Nair, Rajesh Gupta, Sudeep Tanwar, Abdulatif Alabdulatif, Ravi Sharma, "Blockchain-Envisioned Onion Routing Framework For Internet Of Vehicles Communication Toward 6g", *Ieee Internet Of Things Magazine*, (2024), 7, (1), 82 - 88
148. Bhavsar Madhuri Dashrath, Riddhi Thakkar, "Mvms: Rnn Based Pro-Active Resource Scaling In Cloud Environment", *Scalable Computing: Practice And Experience*, (2023), 24, (1), 17 - 33
149. Snehal Rajput, Rupal Amit Kapdi, Mehul S. Raval, Mohendra Roy, "Interpretable Machine Learning Model To Predict Survival Days Of Malignant Brain Tumor Patients", *Machine Learning: Science And Technology*, (2023), 4, (2), 1 - 26
150. Verma Jaiprakash Vinodkumar, Shir Bhargav, Madhuri Bhavsar, Pronaya Bhattacharya, Ali Bostani, Subrata Chowdhury, Julian Webber, Abolfazl Mehbodniya, "Graph-Based Extractive Text Summarization Sentence Scoring Scheme For Big Data Applications", *Information*, (2023), 14, (9), 1 - 28
151. Hiren Patel, Shrimali Bela, "Agrionblock: Secured Data Harvesting For Agriculture Sector Using Blockchain Technology", *Ict Express*, (2023), 9, (2), 150 - 159
152. Shivangi Surati, Himani Trivedi, Shrimali Bela, Chintan Bhatt, Carlos M. Travieso-González, "An Enhanced Diagnosis Of Monkeypox Disease Using Deep Learning And A Novel Attention Model Senet On Diversified Dataset", *Multimodal Technologies And Interaction*, (2023), 7, (7), 75 - 90
153. Manan Patel, Harsh Bhatt, Manushi Munshi, Shivani Pandya, Swati Jain, Priyank Thakkar, Sangwon Yoon, "Cnn-Febac: A Framework For Attention Measurement Of Autistic Individuals.", *Biomedical Signal Processing And Control*, (2023), 88, 105018
154. Vipul Narayan, A K Daniel, Pooja Chaturvedi, "E-Feerp: Enhanced Fuzzy Based Energy Efficient Routing Protocol For Wireless Sensor Network", *Wireless Sensor Networks*, (2023), 131, (1), 371 - 398
155. Pooja Chaturvedi, Kruti Lavingia, Gaurang Raval, "Detection Of Traffic Rule Violation In University Campus Using Deep Learning Model", *International Journal Of System Assurance Engineering And Management*, (2023), 14, (6), 2527 - 2545
156. Manushi Munshi, Gupta Rajesh, Nilesh Kumar Jadav, Zdzislaw Polkowski, Tanwar Sudeep Janardhan, Fayez Alqahtani, Wael Said, "Quantum Machine Learning-Based Framework To Detect Heart Failures In Healthcare 4.0", *Software: Practice And Experience*, (2023), 54, (2), 168 - 185
157. Sachi Chaudhary, Shail Shah, Riya Kakkar, Gupta Rajesh, Abdulatif Alabdulatif, Tanwar Sudeep Janardhan, Gulshan Sharma, Pitshou N. Bokoro, "Blockchain-Based Secure Voting Mechanism Underlying 5g Network: A Smart Contract Approach", *Ieee Access*, (2023), 11, (Na), 76537 - 76550
158. Rushir Bhavsar, Nilesh Kumar Jadav, Umesh Bodkhe, Gupta Rajesh, Tanwar Sudeep Janardhan, Gulshan Sharma, Pitshou N. Bokoro, Ravi Sharma, "Classification Of Potentially Hazardous Asteroids Using Supervised Quantum Machine Learning", *Ieee Access*, (2023), 11, (Na), 75829 - 75848
159. Nisarg P. Patel, Raj Parekh, Saad Ali Amin, Gupta Rajesh, Tanwar Sudeep Janardhan, Neeraj Kumar, Rahat Iqbal, Ravi Sharma, "Leaf: A Federated Learning-Aware Privacy Preserving Framework For Healthcare Ecosystem", *Ieee Transactions On Network And Service Management*, (2023), 21, (1), 1129 - 1141

160. Keyur Patel, Chinmay Mistry, Gupta Rajesh, Tanwar Sudeep Janardhan, Neeraj Kumar, "A Systematic Review On Performance Evaluation Metric Selection Method For Iot-Based Applications", *Microprocessors And Microsystems*, (2023), 101, 1 - 14
161. Tejal Rathod, Gupta Rajesh, Nilesh Kumar Jadav, Tanwar Sudeep Janardhan, Abdulatif Alabdulatif, Ravi Sharma, "Fusion Of Artificial Intelligence And Game Theory For Resource Allocation In Non-Orthogonal Multiple Access-Assisted Device-To-Device Cooperative Communication", *International Journal Of Communication Systems*, (2023), 36, (14), 1 - 20
162. Nihar Patel, Nakul Vasani, Gupta Rajesh, Nilesh Kumar Jadav, Tanwar Sudeep Janardhan, Fayeze Alqahtani, Amr Tolba, Maria Simona Raboaca, "Convolutional Neural Network And Unmanned Aerial Vehicle-Based Public Safety Framework For Human Life Protection", *International Journal Of Communication Systems*, (2023), 12, (3), 1 - 20
163. Ankur Gupta, Gupta Rajesh, Dhairya Jadav, Tanwar Sudeep Janardhan, Neeraj Kumar, Mohammad Shabaz, "Proxy Smart Contracts For Zero Trust Architecture Implementation In Decentralised Oracle Networks Based Applications", *Computer Communications*, (2023), 206, (2), 10 – 21
164. Thakkar Ankitkumar Rajeshkumar, Ritika Lohiya, "A Review On Challenges And Future Research Directions For Machine Learning-Based Intrusion Detection System", *Archives Of Computational Methods In Engineering*, (2023), 30, (7), 4245 -4269
165. Pronaya Bhattacharya, Verma Ashwin, Vivek Prasad, Sudeep Tanwar, "Game-O-Meta: Trusted Federated Learning Scheme For P2p Gaming Metaverse Beyond 5g Networks", *Sensors*, (2023), 23, (9), 1 - 25
166. Nihar Patel, Nakul Vasani, Sudeep Tanwar, Nilesh Kumar Jadav, Rajesh Gupta, Zdzislaw Polkowski, Fayeze Alqahtan, "F-Lstm: Federated Learning-Based Lstm Framework For Cryptocurrency Price Prediction", *Aims - Electronic Research Archive*, (2023), 31, (10), 6525 - 6551
167. Oza Parita Rajiv, Smita Agrawal, Dhruv Ravaliya, Riya Kakkar, "Evaluating The Igraph Community Detection Algorithms On Different Real Networks", *Scalable Computing: Practice And Experience*, (2023), 24, (2), 173 - 180
168. Mankad Sapan Hareesh, "A Novel Multiclass Classification Based Approach For Playback Attack Detection In Speaker Verification Systems", *Journal Of Ambient Intelligence And Humanized Computing*, (2023), 14, (12), 16737 - 16748
169. Neha Sisodiya, Nitant Dube, Om Prakash, Priyank Thakkar, "Scalable Big Earth Observation Data Mining Algorithms: A Review", *Earth Science Informatics*, (2023), 16, (3), 1993 - 2016
170. Khanpara Pimal Shantilal, Sharada Valiveti, "An Efficient Bio-Inspired Routing Scheme For Tactical Ad Hoc Networks", *Scalable Computing: Practice And Experience*, (2023), 24, (1), 45 - 54
171. Sudeep Tanwar, Dakshita Ribadiya, Pronaya Bhattacharya, Anuja R. Nair, Neeraj Kumar, Minh Jo, "Fusion Of Blockchain And Iot In Scientific Publishing: Taxonomy, Tools, And Future Directions", *Future Generation Computer Systems*, (2023), 142, 248 - 275
172. Shubham Singh, Pawan Singh, Sudeep Tanwar, "Energy-Aware Resource Allocation Via Ms-Slno In Cloud Data Center", *Multimedia Tools And Applications*, (2023), 82, 45565
173. Jay Raval, Pronaya Bhattacharya, Nilesh Kumar Jadav, Sudeep Tanwar, Gulshan Sharma, Pitshou N. Bokoro, Mitwalli Elmorsy, Amr Tolba, Maria Simona Raboaca, "Raksha: A Trusted Explainable Lstm Model To Classify Fraud Patterns On Credit Card Transactions", *Mathematics*, MDPI, (2023), 11, (8), 1 - 27
174. Shahid Hamid, Shakti Raj Chopra, Akhil Gupta, Sudeep Tanwar, Bogdan Cristian Florea, Dragos Daniel Taralunga, Osama Alfarraj, Ahmed M. Shehata, "Hybrid Beamforming In Massive Mimo For Next-Generation Communication Technology", *Sensors*, MDPI, (2023), 23, (16), 1 - 13
175. Akhil Gupta, Prakhar Saini, Banala Sharath Teja, Giddaluru Shiva Durgesh, Shourabh Kumar Mishra, Anjani Kumar Yadav, Sudeep Tanwar, Fayeze Alqahtani, Maria Simona Raboaca, Wael

- Said, "Investigating Uav-Based Applications In Indoor&quot;Outdoor Sports Stadiums And Open-Air Gatherings For Different Interference Conditions Beyond 5G Networks", *Sensors*, MDPI, (2023), 23, (15), 1 - 19
176. Ravi Kothar, Riya Kakkar, Smita Agrawal, Parita Oza, Sudeep Tanwar, Bharat Jayaswal, Ravi Sharma, Gulshan Sharma, Pitshou N. Bokoro, "Selection Of Best Machine Learning Model To Predict Delay In Passenger Airlines", *IEEE Access*, (2023), 11, 79673 - 79683
  177. Tejal Rathod, Sudeep Tanwar, "Autoencoder-Based Efficient Resource Allocation In Device-To-Device Communication", *Physical Communication*, (2023), 60, 1 - 13
  178. Aditya Bakshi, Akhil Gupta, Sudeep Tanwar, Gulshan Sharma, Pitshou N. Bokoro, Fayeze Alqahtani, Amr Tolba, Maria Simona Raboaca, "Performance Augmentation Of Cuckoo Search Optimization Technique Using Vector Quantization In Image Compression", *Mathematics*, MDPI, (2023), 11, (10), 1 - 19
  179. Archan Dadhania, Jitendra Bhatia, Rachana Mehta, Sudeep Tanwar, Ravi Sharma, Amit Verma, "Unleashing The Power Of Sdn And Gnn For Network Anomaly Detection: State-Of-The-Art, Challenges, And Future Directions", *Security And Privacy*, (2023), E337
  180. Ganpat Singh Chauhan, Ravi Nahta, Yogesh Kumar Meena, Dinesh Gopalani, "Aspect Based Sentiment Analysis Using Deep Learning Approaches: A Survey", *Computer Science Review*, (2023), 49, 100576
  181. Smta Agarwal, Swati Jain, Ravi Singh, Kashyap Kashyap, Prakrut Chauhan, "Predictive Maintenance System For Rotating Machinery Onboard Ships For Detecting Performance Degradation", *Scalable Computing: Practice And Experience*, (2023), 24, (4), 1231 - 1240
  182. Anitha Modi, Jain Swati Manish, Priyanka Sharma, "A Pipelined Architecture For Acreage Estimation Using Deep Learning And Spectral Image", *International Journal Of Information Technology*, (2023), 15, (4), 4427-4435
  183. Pronaya Bhattacharya, Amod Kumar Tiwari, Ashwin Verma, Abdulatif Alabdulatif, Sudeep Tanwar, Ravi Sharma, "Lightblocks: A Trusted Lightweight Signcryption And Consensus Scheme For Industrial Iot Ecosystems", *Computer Standards & Interfaces*, (2023), 88, (2023), 103785
  184. Oza Parita Rajiv, Paawan Sharma, Samir Patel, "Breast Lesion Classification From Mammograms Using Deep Neural Network And Test-Time Augmentation", *Neural Computing And Applications*, (2023), 36, (4), 2101 - 2117
  185. Jay Gandhi, Zunnun Narmawala, "A Case Study On The Estimation Of Sensor Data Generation In Smart Cities And The Role Of Opportunistic Networks In Sensor Data Collection", *Peer-To-Peer Networking And Applications*, (2023), 17, 337 - 357
  186. Aryan Alpesh Mehta, Ali Asgar Padaria, Dwij Jayesh Bavisi, Vijay Ukani, Priyank Thakkar, Rebekah Geddam, Ketan Kotecha, Ajith Abraham, "Securing The Future: A Comprehensive Review Of Security Challenges And Solutions In Advanced Driver Assistance Systems", *IEEE Access*, (2024), 12, 643 - 678
  187. Umesh Bodkhe, Sudeep Tanwar, "Network Management Schemes For Iot Environment Towards 6g: A Comprehensive Review", *Microprocessors And Microsystems*, (2023), 103, (11), 1 - 20
  188. Khus Shah, Nilesh Kumar Jadav, Sudeep Tanwar, Anupam Singh, "Ai And Blockchain-Assisted Secure Data-Exchange Framework For Smart Home Systems", *Mathematics*, (2023), 11, (19), 4062
  189. Devangi Hitenkumar Patel, Kamyia Premal Shah, Rajesh Gupta, Nilesh Kumar Jadav, Sudeep Tanwar, "Blockchain-Based Crop Recommendation System For Precision Farming In Iot Environment", *Agronomy*, MDPI, (2023), 13, (10), 2642
  190. Ali Asgar Padaria, Aryan Alpesh Mehta, Nilesh Kumar Jadav, Sudeep Tanwar, "Traffic Sign Classification For Autonomous Vehicles Using Split And Federated Learning Underlying 5g", *IEEE Open Journal Of Vehicular Technology*, (2023), 4, (Early Access), 877 - 892

191. Udit Agarwal, Vinay Rishiwal, Sudeep Tanwar, Mano Yadav, "Blockchain And Crypto Forensics: Investigating Crypto Frauds", *International Journal Of Network Management*, (2023), Early Access, E2255
192. Jigna Patel, Anand Ruparelia, Sudeep Tanwar, Fayez Alqahtani, Amr Tolba, "Deep Learning-Based Model For Detection Of Brinjal Weed In The Era Of Precision Agriculture", *Computer, Materials, And Continua*, (2023), 77, (1), 1281 - 1301
193. Harsh Mankodiya, Priyal Palkhiwala, Rajesh Gupta, Nilesh Kumar Jadav, Sudeep Tanwar, "Deep Learning-Based Robust Morphed Face Authentication Framework For Online Systems", *Computers, Materials & Continua*, (2023), 77, (1), 1123 - 1142
194. Tejal Rathod, Nilesh Kumar Jadav, Sudeep Tanwar, Zdzislaw Polkowski, "Ai And Blockchain-Based Secure Data Dissemination Architecture For Iot-Enabled Critical Infrastructure", *Sensors*, MDPI, (2023), 23, (23), 8928
195. K. Jyothsna Devi, Priyanka Singh, Jatindra Kumar Dash, Hiren Kumar Thakkar, Sudeep Tanwar, "Secure Transmission Of Medical Images In Multi-Cloud E-Healthcare Applications Using Data Hiding Scheme", *Elsevier Journal Of Information Security And Applications*, (2023), 79, (C), 1 - 10
196. Mano Yadav, Udit Agarwal, Vinay Rishiwal, Sudeep Tanwar, Suman Kumar, "Exploring Synergy Of Blockchain And 6g Network For Industrial Automation", *IEEE Access*, (2023), 11, (12), 137163 - 137187
197. Khushi Jatinkumar Raval, Nilesh Kumar Jadav, Sudeep Tanwar, "A Survey On Safeguarding Critical Infrastructures: Attacks, Ai Security, And Future Directions", *International Journal Of Critical Infrastructure Protection*, (2023), 44, 100647
198. Yogesh Patel, Sudeep Tanwar, Rajesh Gupta, Pronaya Bhattacharya, "Deepfake Generation And Detection: Case Study And Challenges", *IEEE Access*, (2023), 11, (Early Access), 143296 - 143323
199. Sachi Chaudhary, Rajesh Gupta, Riya Kakkar, Sudeep Tanwar, "A Smart Contract And Ipfs-Based Framework For Secure Electric Vehicles Synchronization At Charging Station", *Sustainable Energy, Grids And Networks*, (2024), 37, 101272
200. Bharti Khemani, Shruti Patil, Ketan Kotecha, Sudeep Tanwar, "A Review Of Graph Neural Networks: Concepts, Architectures, Techniques, Challenges, Datasets, Applications, And Future Directions", *Journal Of Big Data*, (2024), 11, (18), 1 - 43
201. Harsh Bhatt, Nilesh Kumar Jadav, Aparna Kumari, Rajesh Gupta, Sudeep Tanwar, "Artificial Neural Network-Driven Federated Learning For Heart Stroke Prediction In Healthcare 4.0 Underlying 5g", *Concurrency And Computation: Practice And Experience*, (2023), 36, (3), E7911
202. Sushil Kumar Singh, Manish Kumar, Sudeep Tanwar, "Gru-Based Digital Twin Framework For Data Allocation And Storage In Iot-Enabled Smart Home Networks", *Future Generation Computer Systems*, (2023), 153, 391 - 402
203. Bhavin Patel, Jitendra Bhatia, "A Comprehensive Review Of Internet Of Things And Cutting-Edge Technologies Empowering Smart Farming", *Current Science*, (2024), 126, (2), 137 - 152
204. Nilesh Kumar Jadav, Tejal Rathod, Rajesh Gupta, Sudeep Tanwar, Neeraj Kumar, "Blockchain-Based Secure And Intelligent Data Dissemination Framework For Uavs In Battlefield Applications", *IEEE Communications Standards Magazine*, (2023), 7, (3), 16 - 23
205. Nilesh Kumar Jadav, Sudeep Tanwar, "Whale Optimization-Based Access Control Scheme In D2d Communication Underlying Cellular Networks", *Ieee Transactions On Network And Service Management*, (2024), Early Access, (1), 1 - 12
206. Fenil Ramoliya, Chinmay Trivedi, Krishna Darji, Riya Kakkar, Rajesh Gupta, Sudeep Tanwar, Zdzislaw Polkowski<sup>2</sup>, Fayez Alqahtani, Amr Tolba, "Ml-Based Energy Consumption And Distribution Framework Analysis For Evs And Charging Stations In Smart Grid Environment", *IEEE Access*, (2024), 12, 23319 - 23337

207. Tejal Rathod, Sudeep Tanwar, "A Dnn-Orchestrated Cognitive Radio-Based Power Control Scheme For D2d Communication", *Physical Communication*, (2024), 64, 102321
208. Aparna Kumari, Riya Kakkar, Sudeep Tanwar, Deepak Garg, Zdzislaw Polkowski, Faye Alqahtani, Amr Tolba, "Multi-Agent-Based Decentralized Residential Energy Management Using Deep Reinforcement Learning", *Journal Of Building Engineering*, (2024), 87, 109031
209. Pranshav Gajjar, Manav Garg, Shivani Desai, Hitesh Chhinkaniwala, Harshal A. Sanghvi, Riki H. Patel, Shailesh Gupta, Abhijit S. Pandya, "An Empirical Analysis Of Diffusion, Autoencoders, And Adversarial Deep Learning Models For Predicting Dementia Using High-Fidelity Mri", *Ieee Access*, (2024), 4, 1 - 13
210. Jay Gandhi, Zunnun Narmawala, "A Comprehensive Survey On Machine Learning Techniques In Opportunistic Networks: Advances, Challenges And Future Directions", *Pervasive And Mobile Computing*, (2024), 100, (101917), 1 - 33
211. Barkha Bhavsar, Bela Shrimali, "Meticulous Review: Cutting-Edge Cervix Cancer Stratification Using Image Processing And Machine Learning", *International Journal Of Computing And Digital Systems*, (2024), 1, (15.1), 1343 - 1358
212. Thakkar Ankitkumar Rajeshkumar, Nandish Kikani, Rebakah Geddham, "Fusion Of Linear And Non-Linear Dimensionality Reduction Techniques For Feature Reduction In Lstm-Based Intrusion Detection System", *Applied Soft Computing*, (2024), 154, (C), 1 - 9
213. Parthiv Bhau, Savani Vijay Gopalbhai, "Design And Analysis Of Low-Voltage And Low-Power 19t Finfet-Tgdi Based Hybrid Full Adders", *Journal Of Circuits, Systems And Computers*, (2024), 33, (1), 2450015 - 22
214. Patel Rutul Anilkumar, Neel Patel, Bhupendra Fataniya, Dhaval Shah, "Automated Digitization Of Studentâ€™s Marks From The Answer-Book Images Using A Lightweight Cnn Model", *Sn Computer Science*, (2024), 5, (4), 1 - 9
215. Gupta Tanuj Manoj, Chetna C Chauhan, Abhishek Gor, Ankita Singh, Rajshree B Jotania, "Influence Of Pr-Ion Substitution In Cu<sub>2</sub>x Hexaferrites On Their Magnetic And Dielectric Properties", *Ceramics International*, (2024), 50, (4), 6055 - 6067
216. Shah Dhaval Gopalchandra, Akash Mecwan, "Implementation Of Nursing Assistant Robot", *Nujet*, (2023), 1, (1), 20 - 25
217. Chauhan Chetna Chaturbhai, Abhishek Gor, Ankita Singh, N M Devashrayee, Rajshree Jotania, "Effect Of Sputtering Time And Calcination Temperature Duration On The Structural, Optical, And Magnetic Properties Of Dc Sputtered Srm Films", *Journal Of Materials Science: Materials In Electronics*, (2024), 35, (584), 1 - 15
218. Chauhan Chetna Chaturbhai, Rakesh Tanna Et Al, "Overview Of Physics Results From The Aditya-U Tokamak And Future Experiments", *Nuclear Fusion*, (2024), 0, (0), 1 - 23
219. Khushboo Sinha, Y N Trivedi, "Spectrum Sensing For Dynamic Primary User With Multiple Transitions Under Rayleigh Distributed Channel Attenuation In Additive Laplacian Noise", *Physical Communication*, Elsevier, (2024), 62, (2), 1 - 9
220. Laukikkumar K Patel, Manish I Patel, "Feature-Based Image Registration Using Orb And Cnn For Remote Sensing Images", *Indian Journal Of Science And Technology*, (2023), 16, (42), 3803 - 3813
221. Gajjar Sachin Harishbhai, Hetal Panchal, "Fuzzy Based Unequal Clustering Protocol For Underwater Wireless Sensor Networks", *International Journal Of Communication Systems*, Wiley Publications, (2023), 36, (16), 1 - 18
222. Abhishek A Gor, Nm Devashrayee, Gupta Tanuj Manoj, Chetna C Chauhan, Rajshree B Jotania, "A Study Of The Effect Of The Cu And Cr Co-Doping On Structural, Magnetic And Dielectric Properties Of Barium Hexaferrites Synthesized In Presence Of Mentha Leaves Extract", *Materials Today Communications*, (2023), 37, 107214
223. Viranchi Pandya, Manisha Upadhyay, Pranjal Yadav, Salonee Agarwal, "Real Time Parking System Using Iot", *Indian Journal Of Natural Sciences*, (2024), 14, (82), 70098 - 70102

224. Viranchi Pandya, Manisha Upadhyay, Maitri Patel, Munmun Sangtani, "Coal Mining Safety Using Zig Bee", *Indian Journal Of Natural Sciences*, (2024), 14, (82), 70114 - 70118
225. Trivedi Yogesh Nagarlal, Rachna Sharma, "On Performance Analysis Of Cooperative Horizontal And Vertical Underwater Vlc Systems With Selection Combining Receiver", *Photonics*, (2023), 10, (4), 1 - 13
226. Chauhan Chetna Chaturbhai, Abhishek Gor, Mrunali Jani, Anup Sanchela, N M Devashrayee, Rajshree Jotania, "Structural, Optical, Magnetic And Dielectric Properties Of Cofe12o19 Synthesized In The Presence Of Moringa Oleifera Flower Extract", *Asian Journal Of Chemistry*, (2023), 35, (5), 1257 - 1263
227. Sharma Rachna, Yogesh N Trivedi, Kamal K Garg, Vimal Bhatia, Mohammed Abdel-Hafez, "On Performance Analysis Of Cooperative Horizontal And Vertical Underwater Vlc Systems With Best Relay Selection", *Photonics*, (2023), 10, (4), 1 - 13
228. Kinjal Davel, Tarjani Vyas, Y. N. Trivedi, "A Sample Selection Method Based On Similarity Measure And Fuzziness For Crop Classification From Aviris-Ng Data Advances In Space Research", *Advances In Space Research*, Elsevier, (2024), 73, (2), 1262 - 1268
229. Laukikkumar K. Patel, Manish I. Patel, "Feature Based Image Registration Using Cnn Features For Satellite Images Having Varying Illumination Level", *International Journal Of Advanced Technology And Engineering Exploration*, (2023), 10, (101), 440 - 457
230. Manav Chotalia, Savani Vijay Gopalbhai, "An Autonomous System For Knee Osteoarthritis Disease Diagnosis Using Machine Learning And Standalone Controller", *International Journal Of Computing And Digital Systems*, (2023), 13, (1), 1053 - 1063
231. Patel Rutul Anilkumar, Heli Shah, Yash Patil, "Prediction Of Oral Cancer Treatment Plan Using Machine Learning", *International Journal Of Computer Information Systems And Industrial Management Applications*, (2023), 15, (1), 408 - 417
232. Chauhan Chetna Chaturbhai, R.L. Tanna, S. Patel, J. Ghosh, A. Amardas, P.K. Chattopadhyay, K.A. Jadeja, Y.S. Joisa, U.C. Nagora, P.K. Atrey, "Runaway Electron Mitigation With Pulsed Localized Vertical Magnetic Field Perturbation In Aditya Tokamak", *Nuclear Fusion*, (2023), 63, 86011
233. Joshi Hardik Yogeshbhai, Shilpi Gupta, "On The Performance Of Dual-Hop Mixed Rf And Hybrid Rf-Fso Relaying", *Optical And Quantum Electronics*, (2023), 55, (9), (803) 1 - 21
234. Sima Gonsai, Usha Mehta, "Machine Learning Algorithms For Faultprediction", *Nirma University Journal Of Engineering And Technology*, (2023), 1, (1), 1 - 5
235. Shah Dhaval Gopalchandra, Sachin Gajjar, Manan Jain, Het Kanzariya, Neel Joshi, Yesha Masharu, "Design, Development And Testing Of A 16-Bit Reduced Instruction Set Computer Architecture Based Processor", *Sadhna*, (2023), 48, (244), 1 - 7
236. Adhyaru Dipak Mukundray, Amit Pandey, "Robust-Optimal Control Design For Current-Controlled Electromagnetic Levitation System With Unmatched Input Uncertainty", *International Journal Of Dynamics And Control*, (2024), 12, (4), 1 - 11
237. Adhyaru Dipak Mukundray, Ravindra Rana, "Two-Degree Of Freedom-Based Control Model For Active Suspension System To Mitigate The Nonlinear Disturbance", *Journal Of Circuits, Systems And Computers*, (2023), 32, (18), 1 - 26
238. Prateek Jain, Amit Joshi, Saraju Mohanty, "Iglu 4.0: Intelligent Non-Invasive Glucose Measurement And Its Control With Physiological Parameters", *Sncs*, (2024), 5
239. Chandan Trivedi, Keyur Parrmar, Udai Pratap Rao, "Pgash: Provable Group-Based Authentication Scheme For Internet Of Healthcare Things", *Peer-To-Peer Networking And Applications*, (2024), 1, (1), 1 - 20
240. Patel Usha Dineshbhai, Vibha Patel, "A Comprehensive Review: Active Learning For Hyperspectral Image Classifications", *Earth Science Informatics*, (2023), 16, (7), 1975â€“1991

241. Patel Usha Dineshbhai, Vibha Patel, "Active Learning Based Hyperspectral Image Classification: A Reinforcement Learning Approach", The Journal Of Supercomputing, (2023), 80, (8), 2461 - 2486
242. Vraj Patel, Joy Mehta, Saurab Iyer, Sharma Ankit Ravindra, "Traffic Sign Recognition Using Deep Learning", International Journal Of Vehicle Autonomous Systems, (2023), 16, (38048), 97 - 107
243. Krishn Limbachiya, Sharma Ankit Ravindra, Priyank Thakkar, Dipak Adhyaru, "Performance Optimization For Handwritten Gujarati Alphanumeric Script Identification", Sadhana, (2023), 48, 1 - 7
244. Hemali Shah, Agrawal Smita Sureshkumar, Parita Oza, Sudeep Tanwar, Ahmed Alkhayya, "Mammogram Pre-Processing Using Filtering Methods For Breast Cancer Diagnosis", International Journal Of Image, Graphics And Signal Processing(Ijigsp), (2023), 15, (4), 44 - 58
245. Mittal Sonia, Sanskruti Patel, "Age Invariant Face Recognition Techniques : A Survey On The Recent Developments, Challenges And Potential Future Directions", International Journal Of Engineering Trends And Technology, (2023), 71, (5), 435 - 460
246. Himanshu Vadher, Pal Patel, Anuja Nair, Tarjni Vyas, Shivani Desai, Lata Gohil, Sudeep Tanwar, Deepak Garg, Anupam Singh, "Eeg-Based Biometric Authentication System Using Convolutional Neural Network For Military Applications", Security And Privacy, (2023), 7, (2), 1 - 25
247. Ankush D Sawarkar, Deepti D Shrimankar, Swati C Manekar, Manish Kumar, Phani Kumar, Lal Singh, "Bamboo As A Sustainable Crop For Land Restoration In India: Challenges And Opportunities", Environment, Development And Sustainability, (2023), 3, (3), 1 - 33
248. Shristi Biswas, Swati Manekar, Sonal Rajiv Bakshi, "A Case Study On Ppm1d And 9 Other Shared Germline Alterations In A Family", Asian Pacific Journal Of Cancer Prevention, , (2023), 24, (6), 2129 – 2133

### Book Published

Sr. No.	Name of the Faculty	Name of the Book	Name of Publishing House	ISBN	Year
1.	Pronaya Bhattacharya	Federated Learning for Internet of Medical Things Concepts, Paradigms, And Solutions	Taylor and Francis Group	9781032300764	2023
2.	Arun Solanki	Blockchain Technology for IOE Security and Privacy Perspectives	Taylor and Francis Group	9781032431741	2023
3.	Kapdi Rupal Amit	Explainable AI in Healthcare: Unboxing Machine Learning For Biomedicine	CRC Press - Taylor and Francis Group	9781003333425	2023
4.	Upadhyay Tejal Unmesh	Analysis and Prediction of Cancer Using Genome by Applying Data Mining Algorithms	Shineeks	978-9-69-339255-5	2023
5.	Jain Swati Manish	Earth Observation Data Analytics Using Machine and Deep Learning: Modern Tools, Applications And Challenges	IET	9781839536175	2023
6.	Neha Sharma	Green Computing for Sustainable Smart Cities	CRC Press	9781032483931	2024

## Book Chapters Published

Sr. No.	Name of the Faculty	Name of the Book Chapter	Name of the Book	Name of Publishing House	ISBN	Year
1.	Bora Leena Vijaykumar	Green Nanomaterials Based Nanosensors	Comprehensive Analytical Chemistry	Elsevier	0166-526X	2023
2.	Bora Leena Vijaykumar	A Brief Overview On Advances In Water Treatment Process	3D Printing Technology for Water Treatment Applications	Elsevier	978-0-323-99861-1	2023
3.	Shah Nimish Rajnikant	Crosslinking of Starch	Starch: Advances in Modifications, Technologies and Applications	Springer Nature Switzerland Ag	978-3-031-35842-5	2023
4.	Patel Anant Darshanbhai	2D Flood Simulation and Mapping Using Hydraulic Model and GIS Technology	Flood Forecasting and Hydraulic Structures	Springer	978-981-99-1890-4	2023
5.	Bhavsar Madhuri Dashrath	Artificial Intelligence Applications for IoMT	Federated Learning for Internet of Medical Things	CRC Press	9781003303374	2023
6.	Patel Jitali Dineshkumar	Early Prediction of Prevalent Diseases Using IoMT	Federated Learning For Internet Of Medical Things	Taylor & Francis	9781003303374	2023
7.	Bhavyang Dave	Multi-Object Detection: A Social Distancing Monitoring System	Object Tracking Technology Trenchallenges and Applications	Springer	978-981-99-3287-0	2023
8.	Akshay Patel	Single-Object Detection from Video Streaming	Object Tracking Technology Trends, Challenges And Applications	Springer	978-981-99-3287-0	2023
9.	Rachana Mehta	Evolving Technologies: IoT and Artificial Intelligence For Healthcare Informatics	Innovations in Healthcare Informatics: From Interoperability To Data Analysis	IET	9781839534584	2023
10.	Prasad Vivek Kumar Sahdeo	Robotics And Process Automation Technologies for Healthcare Informatics	Innovations in Healthcare Informatics: From Interoperability To Data Analysis	IET	978-1-83953-459-1	2023
11.	Ananya Sheth	Role of AI For Data Security And Privacy In 5g Healthcare Informatics	6G Enabled Fog Computing In IoT	Springer, Cham	978-3-031-30101-8	2023
12.	Verma Ashwin	IoMT Implementation Technological	Federated Learning for Internet Of Medical Things: Concepts,	CRC Press	9781003303374	2023



		Overview For Healthcare Systems	Paradigms, And Solutions			
13.	Ramesh Chandra	Application of Artificial Intelligence in The Recruitment Process Of HRM	Artificial Intelligence Techniques In Human Resource Management	CRC Press Tylor and Francis Group	97877491168	2023
14.	Sunil Gautam	Advancement In Healthcare by Cloud and Edge Computing	Handbook of Research on Artificial Intelligence and Soft Computing Techniques In Personalized Healthcare Services	CRC Press	9781774913383	2023
15.	Sagar Lakhnotra	Trusted Federated Learning Solutions for Internet of Medical Things	Federated Learning for The Internet of Medical Things: Concepts, Paradigm, and Solutions	CRC Press Taylors and Francis Groups	9781032300076 4	2023
16.	Prasad Vivek Kumar Sahdeo	Artificial Intelligence Application for IoMT	Federated Learning for The Internet of Medical Things: Concepts, Paradigm, and Solutions	CRC Press Taylors and Francis Groups	9781032300076 4	2023
17.	Kapdi Rupal Amit	Interpretability Of Segmentation and Overall Survival For Brain Tumors	Explainable AI In Healthcare: Unboxing Machine Learning for Biomedicine	CRC Press - Taylor and Francis Group	9781003333425	2023
18.	Dhaval S Jha	Analysis Of Quantum Computing with Food Processing Use Case	Cyber Security Using Modern Technologies: Artificial Intelligence, Blockchain and Quantum Cryptography	CRC Press	9781032213194	2023
19.	Preeti Kathiria	Introduction	Earth Observation Data Analytics Using Machine and Deep Learning: Modern Tools, Applications and Challenges	IET	9781839536175	2023
20.	Kimee Joshi	Using Optical Images to Demarcate Fields in L Band Sar Images for Effective Deep Learning Based Crop Classification and Crop Cover Estimation	Earth Observation Data Analytics Using Machine and Deep Learning: Modern Tools, Applications and Challenges	IET	9781839536175	2023

21.	Nandita Sanjay Pal	Design And Prototyping of A Cloud-Based Predictive Model For Enrichment Of Nutrition Plan	IoT And Cloud Computing-Based Healthcare Information Systems	CRC Press - Taylor and Francis Group	9781003304630	2023
22.	Pooja Chaturvedi	A Novel Heuristic for Maximizing Lifetime of Target Coverage in Wireless Sensor Networks	Advanced Wireless Communication and Sensor Networks	Taylor And Francis	9781003326205	2023
23.	Stuti Bhojak	ICT Systems and Sustainability	Lecture Notes in Networks and Systems	Springer	978-981-99-5651-7	2023
24.	Faizal Kureshi,	Blockchain Based Humans-Agents Interactions/Human-Robot Interactions	Robotic Process Automation	Scrivener Publishing LLC	9781394166183	2023
25.	Ramesh Ram Naik	The Ecosystem of Smart City Surveillance Using Key Elements	Green Computing for Sustainable Smart Cities A Data Analytics Applications Perspective	Routledge Taylor And Francis Group	9781032483931	2024
26.	Oza Parita Rajiv	AI in Breast Imaging: Applications, Challenges, And Future Research	Computational Intelligence and Modelling Techniques for Disease Detection in Mammogram Images	Academic Press	978-0-443-13999-4	2024
27.	Dr Nitin Rathore	Smart Farming Based on IoT Edge Computing: Applying Machine Learning Models for Disease and Irrigation Water Requirement Prediction in Potato Crop Using Containerized Microservices	Precision Agriculture for Sustainability Use of Smart Sensors, Actuators, And Decision Support Systems	Apple Academic Press	9781003435228	2024
28.	Kaushal Nileshbhai Maniyar	Bike Sharing Systems: A Green It Application for Smart Cities	Green Computing for Sustainable Smart Cities	CRC Press	9781003388814	2024
29.	Smiti Kothari	Raster Big Data Processing Using Spark with Geotrellis	International Conference on Computing, Communication and Learning	Springer Nature	978-3-031-56998-2	2024

30.	Sanjaykumar Patel Ghanshyambhai	Green Computing for Sustainable Smart Cities	Green Computing For Sustainable Smart Cities	CRC Press	978-1-032-48393	2024
31.	Pooja Chaturvedi	Disease Identification and Classification from Pearl Millet Leaf Images Using Machine Learning Techniques	Methodologies, Frameworks, and Applications of Machine Learning	IGI-Global	9798369310625	2024
32.	Jatin Soni	Optimization Of Mppt Controller For Standalone Photovoltaic Systems	Perspectives On Social Welfare Applications Optimization And Enhanced Computer Applications	IGI-Global	9781668483060	2023
33.	Jainee Shah Nimeshbhai	K. S. Venkataramani's Indumati	Indian Writing In English	Dr Babasaheb Ambedkar Open University	-----	2023
34.	Mishra Richa Patanjali	My Dinner Plate Is Different Than Your Dinner Plate: Teaching Empathy Using Pbl In Engineering Classrooms: A Case Study From India	Transforming Engineering Education	Aalborg Universitet sforlag	978-87-7573-023-0	2023
35.	Amandeep Singh	Ai And Digital Sentience In Kazuo Ishiguro's Klara and The Sun: A Study Of Posthuman Performity	Ai And Emotions In Digital Society	IGI-Global	9798369308028	2024
36.	Kapadia Harsh Khodidas	Implementation Of Master-Slave Communication Using Mqtt Protocol	Next Generation Systems and Networks. Bits-EEE-Con 2022. Lecture Notes in Networks and Systems	Springer	978-981-99-0482-2	2023
37.	Bagga Prashant Jagdishchandra	Neural Network Based Classifier for Tool Wear Monitoring and Prediction During Machining	Advances In Industrial and Production Engineering	Springer Nature	978-981-13-6412-9	2023
38.	Jain Sanjay Virendra	Effects Of Ambient Condition on The Performance of	Advances In Clean Energy and Sustainability	Springer	ISSN 1865-3529, ISBN 978-981-99-2279-6	2023

		Ammonia Based Loop Heat Pipe				
39.	R V Makawana	Seismic Strengthening of Precast Beam Column Connection Using Stainless Steel Wire Mesh (SSWM)	Proceedings Of 17th Symposium on Earthquake Engineering (Vol. 2)	Springer	978-981-99-1603-0	2023
40.	Amiya Abhash	Numerical Study of Flow Through Linear Weir	River, Sediment and Hydrological Extremes: Causes, Impacts and Management	Springer	978-981-99-4810-9	2023
41.	Parag Gohel	A Comprehensive Review on Application of Artificial Intelligence In Construction Management Using A Science Mapping Approach	Artificial Intelligence Applications for Sustainable Construction	Woodhead Publishing	978-0-443-13191-2	2024

#### **Ongoing Research Collaboration /New collaboration**

- › The Civil Engineering Department has signed an MoU with L&T Ltd. As a part of the MoU, the departments of Civil Engineering, Mechanical Engineering, and Electrical Engineering offer B. Tech. in Construction Technology for L&T Engineers.
- › The Department of Computer Science and Engineering, Institute of Technology, signed an MoU with JCH-Hitachi, a research-driven multinational AC company, on February 06, 2024.
- › The EI department has an active MoU with Mitsubishi Electrical India Pvt. Ltd. since February 19, 2014. On 22<sup>nd</sup> February 2024, the MoU is renewed for a period of three years and an equipment worth Rs.7 lakhs was received. Under this MoU department is organising various training programmes for academicians and personnel working in the industries. As a part of MoU department have Mitsubishi Sponsored Factory Automation laboratory with latest Industrial Automation related equipment like Q PLC Training Set up, FX PLC Training Set up, iQR Training Set up kit, Robot trainer Kit etc.
- › EI Dept. has an MoU with B & R Automation Pvt. Ltd. since December 1, 2021 and it is renewed for a period of two years in December 2023. Under this newly signed MoU, the department is going to plan various activities which help students enhance their practical knowledge in the area of the Automation Industry.

#### **Activities carried out during the year under existing MoUs**

- › The Mechanical Engineering department under the MoU with Bureau of Indian Standards (BIS) organised a joint workshop on "Education Outreach - Synergistic Efforts for Development of Standards" on 17 February 2024.
- › Civil Engineering Department, Institute of Technology, Nirma University and CSRI-Central Building Research Institute, Roorkee have signed MoU on March 29, 2024. The said MoU is executed for undertaking knowledge and skill upgradation for the benefit of construction professionals, consultants, architects, academicians and students.
- › Indian Air Force: Students are selected for summer internship under the MoU with Indian Air Force. The Six semester students will do their summer internship during June -July 2024.

- › List of Activities carried out by EC Engg. Dept under MoU with eInfochips  
Industrial Visits by UG and PG students, Summer Training, B.Tech / M.Tech Major Projects, Placement, Consultancy (FPGA Based System Design) worth Rs.5.79 Lakhs, Expert Lecture Series (NB-IoT), Faculty Training, Expert Lecture by ECE Dept Faculty members for eInfochips employees and under IESA: Robotic Fundamentals, Syllabus formation discussion (Finishing School of VLSI Design, NEP2020), Joint Collaborative Research Development (RISC -V Processor Platform), IESA, VSI joint collaborative activity, Visit by eInfochips officials for Robotics related activities with Centre for Robotics & Automation - ITNU, Specialised Course on Network Security, Hardware Security and Embedded Systems, Alumni Activities (Alumni Meet/Counselling/ Guidance/Tech Support/ Mock Interviews etc.), and Sponsorship and Technical support in International Conference iSES,2023.
- › List of Activities carried out under MoU with Robert Bosch  
Summer Internship, UG/ PG Major Project Internship, Joint Research Publication/patents by UG/PG interns, Placement, Collaborative Teaching in ROTS (Embedded OS), Robert Bosch Officials are Member Board of Studies, Alumni Activities (Alumni Meet/Counselling/ Guidance/Tech Support/ Mock Interviews etc.) and Expert Lecture in STTP/FDP/ Training Programme.
- › List of Activities carried out under MoU with Secure Meters  
Summer Internship, UG/ PG Major Project Internship, Industrial Visit by Students and Faculty Members, Placement, Donation of Equipment (Digital Energy Meters) in EC Dept Lab.
- › List of Activities carried out under MoU with ISRO  
Summer Internship, UG/ PG Major Project Internship, Industrial Visit by Students and Faculty Members, Placement, Funded research Projects under RESPOND and AO, Expert Lectures, Collaborative Teaching, Syllabus formation discussion as stake holders (Finishing School of VLSI Design, B.Tech Syllabus as per NEP 2020), M.Tech by Research Programme, Ph.D Research Guide, RAC members and Evaluation of PG Thesis/viva, Alumni Activities (Alumni Meet/Counselling/Guidance/Tech Support/ Mock Interviews etc.)

**Linkages with national/international academic/research bodies: 4 (Binghamton University, INS Valsura, NVIDIA, D360m)**

Binghamton University:

- › Dr Kirshnaswami Srihari visited Nirma University in November 2023.
- › Dr Priyank Thakkar has been deputed under the faculty visit Programme to Binghamton University from September 10, 2023 to December 16, 2023.
- › NU-BU Bilateral Seminar Series on “Recent trends in Data Science” conducted in online mode during March 15, 2024 to April 29, 2024.

INS Valsura

- › Students are selected for Major project under this MoU. Four students are doing their Final year project internship from Jan-April 2024.

NVIDA

- › Mr Romin Chittettu conducted an expert session for faculty members during the STTP on Deep Learning in July 2023.

D360

- › Nine students did their 8<sup>th</sup> semester project in 2023. They also sponsored a track in MINED 2023.
- › A national level workshop on ‘Variable Frequency Drive- VFD A800’ was organized by the ATC centre of Mitsubishi Electric India Pvt. Ltd. on August 05, 2023.
- › The Electronics and Instrumentation Department of Engineering, inaugurated the Semiconductors and Devices laboratory sponsored by Mitsubishi on May 19, 2023. Dignitaries from Semiconductors and Devices department’s General Manager, Mr. Hitesh Bharadwaj, Application

Engineering Assistant General Manager, Mr. Pradip Bisht and Sales Department Senior Manager, Mr. Yogesh Bhatarkar were present.

- › The Electronics and Instrumentation Engineering Department, hosted a National-level event, the “Mitsubishi ATC Meet-2024,” on the February 22-23, 2024. The event was graced by Mr. Tomohiro Yoshida, Director, Factory Automation and Industrial Division, Mitsubishi Electric, Japan, as the Chief Guest, and Mr. Dhaivat Chudasama, Head, Instrumentation, Linde - India, as the Guest of Honour.
- › Ritesh Panchal (20BIC040) and Vastal Rabadia (20BIC052) are selected for long term internship project and deputed at Mitsubhishi India, Ahmedabad for one year.
- › Three students (Raj Dalwadi - 20BIC010, Shivam Bhatia - 20BIC044 and Umang Kathiriya - 20BIC051) were considered for Sponsored Internship Programme at B & R Automation for the final semester based on their academic performance and interest and potential in the field of automation and robotics. Among them, two students, Raj and Shivam, continued their internship in their final semester and converted it into a major project.

#### **Internal Resources Generated (Consultancy, MDA Programme for Industries, etc.)**

Financial Year	Consultancy (Rs in lakhs)	Testing (Rs in lakhs)	Training (Rs in lakhs)	Others (Rs in lakhs)
2023-24	74.00	4.91	26.55	-
2022-23	57.26	3.54	2.00	00

#### **NSS Activities**

- › Students participated in NSS Residential Camp at Motipura village during January 20-26, 2024 where they rendered their services to improve the socio-economic conditions of the villagers. Along with the help of Sarpanch and Gram-panchayat, they voluntarily helped villagers for the construction of wash area near water supply and helped in the installation/repair of water taps in their houses to save the water. They also participated in the cleanliness drive and made the villagers aware about the importance of cleanliness. They taught different subjects to the school children of Chekhlarani village and celebrated Republic Day with them.
- › A Blood Donation Drive was conducted on October 30, 2023, as part of National Unity Day by the NSS Unit, School of Technology and ISA Students’ Chapter Nirma University in collaboration with Civil Hospital, Ahmedabad. The blood donation saw an astounding turnout of 283 units of blood donated.
- › The International Society of Automation Students' Chapter Nirma University organised a charity drive for the kids of ‘Prakash School for Mentally Retarded’ on November 07, 2023. This initiative was carried out for the 17th year in a row.

#### **IV INFRASTRUCTURE AND LEARNING RESOURCES**

Computer systems and peripherals worth Rs 1,73,39,800/- in different departments have been purchased and Computer Software worth Rs 87,28,014/- is purchased during 2023-24. Networking items purchased/upgradation during 2023-24 was worth Rs 60,18,764/- the summary of which is given below:

Wi-Fi facility was further enhanced and further 199 access points were added at various blocks/buildings of ITNU. Internet Bandwidth has been upgraded from 2 Gbps to 2.5 Gbps for the entire campus.

**Details of Computer Systems and Peripherals purchased during 2023-24**

<b>Sr. No.</b>	<b>Dept.</b>	<b>Item description</b>	<b>Unit Rate</b>	<b>Qty</b>	<b>Total Amount</b>	<b>Purchase date / Bill No</b>
1	First Year	Lenovo Desktop Computer System	40,887	84	3434508	February 22, 2024 / S-0687
2	CSE	Lenovo Desktop Computer System	45,600	79	4250832	January 25, 2024 / S-0627
3	B.Tech MBA	Lenovo Desktop Computer System	34,000	20	1019992	January 25, 2024 / S-0628
4	BS 2+2	Lenovo Desktop Computer System	29,300	52	2034792	January 25, 2024 / S-0628
5	LIB	Lenovo Desktop Computer System	45,843	12	550116	February 2, 2024 / S-0651
6	CSE	Forensic Workstation	9,00,000	1	900000	June 20, 2023 / EIPL/23-24-09
7	EI	Lenovo Desktop Computer System	52,923	6	317538	February 22, 2024 / S-0689
8	M & HSS	HP Probook 440G9 - Laptops	63400	4	253600	February 02, 2024 / 1902/2023-24
9	Mechanical	Hard disk Sata SSD drive 512 GB	2714	1	2714	January 18, 2024/ S0617
10	Mechanical	Hard disk Sata SSD drive 1 TB	6490	1	6490	February 19, 2024 / S-0678
11	PGEC (ES & VLSI)	Lenovo Desktop Computer System	49,550	28	1387400	February 22, 2024 / S-0690
12	EC (Physics)	Lenovo Desktop Computer System	34650	3	122661	February 2, 2024 / S-0647
13	UGEC	Lenovo CPU System	44200	3	132600	February 22, 2024 / S-0690
14	UGEC	Lenovo 32" Inch LED Monitor	20250	3	60750	January 31, 2024 / S-0639
15	EE	Lenovo Thinkcentere NEO50T Desktop I7	58764	20	1175280	February 22, 2024 / S-0688
16	PGCSE	Hard disk Sata SSD drive 512 GB	2714	7	18998	January 09, 2024/ S0619
17	Civil	Lenovo Desktop Computer System	45076	15	676140	February 12, 2024/S0646
18	Civil	Intel Workstation (Intel Core i9 13900)	260190	1	260190	January 31, 2024 / S-0640
19	Chemical	Lenovo Thinkcentre NEO50s Desktop	36650	17	735199	February 02, 2024 / S-0645
<b>Total</b>					<b>17339800</b>	

Networking items purchased during 2023-24						
Sr. No.	Dept.	Item description	Unit Rate	Qty	Total Amount	Purchase date / Bill No
1	M & HSS	Cat6A I/O (Keystone) make : 3C3	275	15	4125	23 January, 2024 / S-0623
2		Faceplate - Single	75	9	675	
3		Faceplate - Duplex	80	6	480	
4		Backbox	50	15	750	
5	EC(Physics)	CAT 6 IO	125	8	1000	March 8, 2024/ S-0715
6		Face plate Singlex	75	3	225	
7		Face plate Duplex	75	3	225	
8		CAT6 24 patch port	2400	1	2400	
9		CAT6 patch cord 1 m	125	10	1250	
10		CAT6 patch cord 2 m	140	10	1400	
11	Library, ITNU	CAT6A Single I/O Box	291	268	77988	July 12, 2023
12		Fiber patch chord (LC-LC 2mt)	8	3150	25200	672/2023-24, July 12, 2023
13		12 Port Fully loaded LIU with Pigtail	4	9800	39200	673/2023-24, July 12, 2023
14		Cat6A patch Chord 1Mt (With Lock)	653	240	156720	674/2023-24, July 19, 2023 / 732/2023-24,
15		Cat6A patch Chord 2Mt (With Lock)	653	293	191329	September 08, 2023 / 1099/2023-
16		Cat6 Patch Chord 1 Mtr with Lock for CCTV	85	251	21335	24, September 11, 2023 / 1119/2023-
17		Loaded Patch Panel 24 Ports	29	6400	185600	24, October 13, 2023 1349/2023-
18		Dual I/O Box	201	269	54069	24
19		Indoor wall /Ceiling mounted Wireless APs for Library				March 20, 2024 / 23-24/03/261,
20		° Aruba AP-515 (RW) Unified AP				March 27, 2024 / 23-24/03/334,
21		° AP-MNT-MP10-D AP mount bracket 10-pack D				March 28, 2024 / 23-24/03/346,
22		° AP-MNT-D AP mount bracket individual D: solid surface	53,132.57	30	1593977	March 26, 2024 / 23-24/03/311
23		L2 Managed 10 G 24/28 port Multi Gigabit Switch 2.5 Gbps POE+ (380W)				
24	° Aruba 6300M 24SR5 CL6 PoE 4SFP56 Switch	5,93,396.18	2	1186792		



25	° Aruba X372 54VDC 1050W AC Power Supply			
26	° included: Power Cord - India localization			
27	° Aruba X751 FB Fan Tray			
28	° Aruba 10GBASE-T SFP+ RJ45 30m Cat6A Transceiver			
29	POE L2 Managed Switch 190W for CCTV			
30	° Aruba IOn 1930 24G 4SFP+ 195W			
31	° included: Power Cord - India localization	49,999.23	3	149998
32	Web Smart L2 Managed 48/52 Ports Switch			
33	° Aruba Instant On 1960 48G 2XGT 2SFP+ Switch			
34	° included: Power Cord - India localization	1,02,969.93	6	617820
35	Web Smart L2 Managed 24/28 Ports Switch			
36	° Aruba Instant On 1960 24G 2XGT 2SFP+ Switch			
37	° included: Power Cord - India localization	62,971.25	3	188914
38	L2 Managed (10G) Switch			
39	° Aruba Instant On 1960 12XGT 4SFP+ Switch			
40	° included: Power Cord - India localization			
41	° Aruba IOn 10G SFP+ to SFP+ 3m DAC Cable			
42	° Aruba Instant On 1960 12XGT 4SFP+ Switch			
43	° included: Power Cord - India localization			
44	° Aruba IOn 10G SFP+ to SFP+ 3m DAC Cable	2,24,566.84	2	449134
45	HP/Aruba 10 Gigabit Ethernet transceiver			
46	° Aruba 10G SFP+ LC LR 10km SMF Transceiver	71,314.20	8	570514

47	Aruba LIC-AP Controller per AP Capacity License E-LTU	2390.36	30	71711	
48	Aruba 5Y FC SW E/R CntlperAPCptyE-L SVC [for JW472AAE]	2386.74	30	71602	
49	Aruba LIC-PEF Controller Policy Enforcement Firewall Per AP License E-LTU	2468.79	30	74064	
50	Aruba 5Y FC SW E/R Lic PEF Cntlr SVC [for JW473AAE]	2386.74	30	71602	
51	Aruba LIC-RFP Controller RFProtect Per AP License E-LTU	2468.79	30	74064	
52	Aruba 5Y FC SW E/R Cntlr PerAP RF E-L SVC [for JW474AAE]	2386.74	30	71602	
53	42 U Rack for Central Library	31500	2	63000	February 16, 2024 23-24/02/259
<b>Total</b>				<b>6018764</b>	

<b>Details of Computer Software purchased during 2023-24</b>						
<b>Sr. No.</b>	<b>Dept.</b>	<b>Item description</b>	<b>Unit Rate</b>	<b>Qty</b>	<b>Total Amount</b>	<b>Purchase date / Bill No</b>
1	PG-CSE	BurpSuite Professional	37324.9	1	37325	January 15, 2024/6874F8997A
2	CSE	Grammarly	6135	1	6135	January 06, 2024 / 74896546
3	M & HSS	Office LTSC standard 2021 (NCE EDU BAS 1TM)	4950	4	19800	February 27, 2024 / TSLE23-246403
4	UG - CSE	Office LTSC standard 2021 (NCE EDU BAS 1TM)	4950	2	9900	March 19, 2024 / TSLE23-246869
5	BS (2+2)	Office LTSC standard 2021 (NCE EDU BAS 1TM)	4950	4	19800	March 19, 2024 / TSLE23-246869
6	Mechanical	COMSOL Particle Training Module	81420	1	81420	July 13, 2023/9006495
7	CRA	Roboanalyzer (RA) Simulation & Research Software (30 User)	531000	30 User	531000	February 05, 2024/SVR/TI2024/25

8	CRA	Automation Studio Perpetual Licenes with Dongle (10 User)	944000	10 User	944000	February 19, 2024/ISTPL/006/2023-24
9	EC	MATLAB (Campuxwide Lic Full Suit)	5200001	Unlimited User	5200001	October 3, 2023 / MHI/2324/60191
10	Civil	Microsoft office	5428	15	81420	January 13, 2024/TSLE23-245332
11	Civil	Primavera	303418	3	910254	February 19, 2024/ BSPL/23-24/00272
12	CHEM	Office LTSC Standard 2021- Educational	4660	1	5499	May 16, 2023 / TSLE23-240802
13	CHEM	J-OCTA, Materials Design modeling Software	8,81,460/	1	881460	May 12, 2023 / DHIO/2324/53
Total					8751612	

### Library – Learning Resources added

During the year (April 2023 – March 2024) 486 books were added to the Library and presently it has a collection of 62,530 books. 79 print journals and magazines (67 National and 12 International) in the areas of Engineering, English, Mathematics, General Reading, etc. Library has subscribed 5 e-journals package and 2 database of IEL Online, ASCE, Elsevier Science Direct, ACM Digital, Sage Engineering Custom Collection, SCOPUS and Knovel Elsevier for Civil Department. The Library circulated 38,488 books and other documents to its members during the year, and 31,153 users visited the library. The Library Resource Center provided a book bank facility to the students of Institute of Technology. The main purpose of this service is to help the needy meritorious students. The book bank has a separate collection of 6,784 books other than the library books. During the year, 54 students availed this facility and borrowed 59 books from this collection. M.Tech. Dissertations, Ph.D. Thesis and event photo albums are added in the Institutional Repository that has been created by using DSpace Open Source Software. Created a Google site for accessing previous years Exam Papers and Newspaper Clippings. Library has purchased Remote Login Software for accessing NU's e-resources outside the campus. Faculty members and Ph.D., PG & UG students are using NU's online and e-resources through Remote Login facility as per e-resource access policy and remote access policy.

Research Wall: The library displays important publications, articles, patents, etc., on a regular basis throughout the year and has created a digital research wall on the library website.

The Library has a collection of 2110 Indian Standards, 5307 Bound Volumes, 4465 Electronic Media, 4465, 450+ IEEE Online Learning courses, 537 Video + 358 Web courses available.

**Other activities:** Related books were virtually displayed on different occasions, such as on Republic Day, Ahmedabad Birthday Celebration etc. Library Awareness Programme for UG/PG students. Training Session for Remote e-library for ITNU users from time to time.

## Laboratory Facilities: Major Additions

### Mechanical Engineering

Sr. No.	Name of Equipment	Unit Price	Quantity	Total Amount in Rs.
1	Online UPS 6KVA	152312	1	152312
2	Automobile Models	118000	1	118000
3	Sound & Vibrations Measurement	1200000	1	1200000
4	Robotiq Hand-E Gripper	432736	1	432736
5	Alo T Serbot Prime X	1200000	1	1200000

### Civil Engineering

Sr. No.	Name of Equipment	Unit Price	Quantity	Total Amount in Rs.
1	Abrasion Resistance of Concrete	253700	1	253700
2	Jar Test Apparatus	43648	1	43648
3	Demolition Hammer Breaker	39814	1	39814
4	Brookfield Viscometer	1025792	1	1025792
5	PM10 & PM2.5 Combined Air Sampler	72716	1	72716
6	Self compacting concrete apparatus test setup	70080	1	70080
7	Mortar mixture and Cement mortar Vibrator	169899	1	169899
8	Sieve Shaker	141600	1	141600
9	Portable Fuel Gas Analyzer	230690	1	230690
10	Electronics Extensometer	212400	1	212400
11	Hydraulic Structure model demonstrator	135700	1	135700
12	Vertical Planetary Ball Mill	601800	1	601800
13	Block Vibration Test Set-up	761100	1	761100
14	Digital Direct Shear Test Apparatus	489700	1	489700
15	Jaw Crusher (Recycled Aggregate)	713900	1	713900
16	Laser Optical Displacement Sensor (500 mm)	70,800	1	70,800
17	Laser Optical Displacement Sensor (100 mm)	62,858	1	63,858
18	Inclination Sensor	74740	2	1,49,480
19	Triaxial Accelerometer IEPE Type	119180	1	119180
20	Compression Testing Frame	831900	1	831900

## Electrical Engineering

Sr. No.	Name of Equipment	Unit Price	Quantity	Total Amount in Rs.
1	Two-Wheeler Test Setup – 4.5 kW	250000	1	250000
2	DC Current Probe – 200 kHz, 100 A	73750	1	73750
3	Transmission Line Trainer	188328	1	188328

## Electronics and Communication Engineering

Sr. No.	Name of Equipment	Unit Price	Quantity	Total Amount in Rs.
1	IoT Development Trainer Kit with Pi4B,4GB	32674.2	2	65348.4
2	IoT Development Trainer Kit	12685	8	101480
3	ARM7 LPC 2148 Boards	9688	4	38751
4	NVIDIA Jetson Orin Nano Developer Kit	57935.64	2	115871.28
5	NVIDIA Jetson Xavier NX Module	52038	2	104076
6	PYNQ Boards	23364	2	46728
7	Hall Effect Experiment kit-SK006	79060	1	79060
8	Resistivity Measurement by Fourprobe setup-(Indosaw-SK012)	24780	1	24780
9	Ultrasonic Interferometer	32332	1	32332
10	NUCLEO-F401RE Development Board STM32F401RET6 ARM MCU On Board Debugger	1908.06	10	19081
11	B-L475E-IOT01A1 Development Kit IoT Node Low Power Wi-Fi BLE NFC 915 MHz (US) Connection to Cloud Servers	6504.75	10	65048
12	UART Fingerprint Reader STM32F205 TFS-D400	6707.12	10	67071
13	CY8CPROTO-062-4343W Evaluation Kit PSoC 6 MCU Prototyping Kit Bluetooth Wi-Fi IoT	7747.88	10	77479
14	YDLIDAR G2	18998	1	18998
15	M5 Stack ESP32 Basic Core IoT Development Kit	6254	3	18762
16	NVIDIA Jetson AGX Xavier Developer Kit	191986	1	191986
17	Raspberry-Pi-Pico-Sensor-Kit-B	13216	1	13216
18	Single Phase semi converter drive	75225	1	75225
19	3-phase half wave converter drive	135700	1	135700
20	4 Quadrant chopper for DC motor	110330	1	110330
21	Quadruple Tank System	508516	1	508516

**Civil work in progress/ completed during the financial year :** Centre for Cybersecurity is being developed on the 5th floor of the E-block. Also, classrooms and laboratories are being created for the BS (2+2) along with the faculty seating space.

## V. STUDENT SUPPORT AND PROGRESSION

Sr. No.	Name of the Scholarship	Type of Scholarship	Number of students received scholarship		
			M	F	Total
<b>A. Institute Scholarship</b>					
1.	Category-I	Merit Based	100	20	120
2.	Category-II	Merit Cum Means	89	16	105
3.	Category-I- 2023 Batch	TFWS	01	0	01
4.	Category-II- 2023 Batch	Merit Based	53	05	58
5.	Category-III- 2023 Batch	Merit Cum Means	68	04	72
6.	Category-I-CSE-MBA-2023	Merit Based	03	01	04
7.	Category-II-CSE-MBA-2023	Merit Cum Means	04	02	06
<b>Total (A):</b>			<b>318</b>	<b>48</b>	<b>366</b>
<b>B. Gujarat Government Scholarship</b>					
8.	Schedule Caste (SC) Free-Ship Card Scholarship	Freeship Card	131	20	151
9.	Schedule Tribe (ST) Free-ship Card Scholarship	Freeship Card	49	27	76
10.	SC Scholarship	Post Matric	2	2	4
11.	ST Scholarship	Post Matric	4	2	6
12.	SEBC Scholarship	Post Matric	35	6	41
13.	Vicharti-Vimukti Jati Scholarship	Post Matric	1	0	1
14.	Minority Scholarship	Post Matric	4	0	4
15.	MYSY)	Merit Cum Means	812	84	896
<b>Total (B):</b>			<b>1038</b>	<b>141</b>	<b>1179</b>
<b>Total (A + B):</b>			<b>1356</b>	<b>189</b>	<b>1545</b>

### Cut-off details – 2023

#### BTech Admission Cut-Off - 2023

ALL INDIA CATEGORY (35% OF INTAKE)				
BRANCH	FIRST ADMISSION		LAST ADMISSION	
	MERIT	JEE (MAIN)-2023	MERIT	JEE (MAIN)-2023
	NO.	AIR (CRL)	NO.	AIR (CRL)
COMPUTER SCIENCE & ENGG.	176	13194	686	35864
E. C. ENGG.	700	36321	1629	73423
MECHANICAL ENGG.	836	41596	4308	240183
CHEMICAL ENGG.	1066	50151	4348	243630
ELECTRICAL ENGG.	1287	59155	5532	403669
E. I. ENGG.	1695	75501	3567	177398
CIVIL ENGG.	1448	66087	6798	778276

NRI/NRI-SPONSORED CATEGORY (15% OF INTAKE)				
BRANCH	FIRST ADMISSION		LAST ADMISSION	
	MERIT	JEE (MAIN) 2023	MERIT	JEE (MAIN) 2023
	NO.	AIR (CRL)	NO.	AIR (CRL)
COMPUTER SCIENCE & ENGG.	70	37774	145	67932
E. C. ENGG.	191	88026	820	547845
MECHANICAL ENGG.	607	299492	922	752653
CHEMICAL ENGG.	686	373544	-	-
ELECTRICAL ENGG.	897	695113	-	-
E. I. ENGG.	672	360090	808	534664
CIVIL ENGG.	-	-	-	-

#### ACPC CATEGORY (GOVT. OF GUJARAT)

BRANCH	OPEN CATEGORY		S C CATEGORY	
	MERIT RANK		MERIT RANK	
	FIRST ADMISSION	LAST ADMISSION	FIRST ADMISSION	LAST ADMISSION
COMPUTER SCIENCE & ENGG.	41	228	295	1316
E. C. ENGG.	514	1972	2834	4743
MECHANICAL ENGG.	479	6047	10176	20093
CHEMICAL ENGG.	2554	7244	10533	18467
ELECTRICAL ENGG.	4738	8350	20521	21763
E. I. ENGG.	2033	4142	8136	14012
CIVIL ENGG.	3297	16780	24224	-

BRANCH	S T CATEGORY		S E B C CATEGORY	
	MERIT RANK		MERIT RANK	
	FIRST ADMISSION	LAST ADMISSION	FIRST ADMISSION	LAST ADMISSION
COMPUTER SCIENCE & ENGG.	3145	17793	244	865
E. C. ENGG.	7876	23670	1976	5290
MECHANICAL ENGG.	18867	29893	7275	17877
CHEMICAL ENGG.	-	-	11782	14412
ELECTRICAL ENGG.	14672	16173	13932	26304
E. I. ENGG.	-	-	7913	16253
CIVIL ENGG.	16868	27562	18614	28510

AIR=All India Rank, CRL = Common Rank List

### MTECH Cut-Off - 2023

Branch	Sub-Branch	Cut-Off				Admission Category		Total Admission
		GATE		NON-GATE		GATE	NON-GATE	
		First	Last	First	Last			
Civil	CASAD	31.35	27.23	30	17	03	13	16
	CTM	-	-	33	10	-	18	18
CSE	CSE	389	359	32	17	02	22	24
	CYBER SECURITY	-	-	22	09	00	18	18
	DATA SCIENCE	367	-	29	20	01	18	19
EC	EMBEDDED	0	0	32	14	0	12	12
	VLSI	422	355	31	19	04	20	24
ME	CAD/CAM	--	--	--	--	--	--	00
	DESIGN	38.8	--	30	18	01	14	15
EE	EVT	--	--	35/60	27/60	00	04	04
<b>Total</b>								<b>150</b>

### MCA - Admission Cut-off - 2023 Admission through ACPC

CMAT CUT-OFF			Grand Total
Category	FIRST CMAT Rank (CMAT Marks)	LAST CMAT Rank (CMAT Marks)	Total
OPEN	20007 (2203)	20121 (13562)	67
SEBC	20366 (24552)	20513 (30393)	
SC	20527 (30788)	20639 (34739)	
ST	--	--	
EWS	20145 (14706)	20327.5 (23385)	
Supernumerary Seats	9920004 (4952)		01
<b>Total</b>			<b>68</b>

### BACHELOR OF SCIENCE (COMPUTER SCIENCE & ENGINEERING) 2+2 DUAL DEGREE PROGRAMME - CUT-OFF DETAILS

#### JEE (MAIN) - 2023 BASED ADMISSION

FIRST ADMISSION		LAST ADMISSION	
ITNU MERIT NO.	JEE (MAIN)-2023 AIR (CRL)	ITNU MERIT NO.	JEE (MAIN)-2023 AIR (CRL)
41	59402	288	989167

#### GUJCET - 2023 BASED ADMISSION

FIRST ADMISSION		LAST ADMISSION	
ITNU MERIT NO.	MERIT RANK	ITNU MERIT NO.	MERIT RANK
2	104.25	220	16.25

#### Integrated B.Tech (CSE)- MBA Programme



ALL INDIA CATEGORY					
FIRST ADMISSION			LAST ADMISSION		
ITNU MERIT NO.	FINAL MERIT MARKS	JEE (MAIN)-2023 AIR (CRL)	ITNU MERIT NO.	FINAL MERIT MARKS	JEE (MAIN)-2023 AIR (CRL)
2	95.24	27672	246	73.55	228016

NRI-SPONSORED CATEGORY					
FIRST ADMISSION			LAST ADMISSION		
ITNU MERIT NO.	FINAL MERIT MARKS	JEE (MAIN)-2022 AIR (CRL)	ITNU MERIT NO.	FINAL MERIT MARKS	JEE (MAIN)-2022 AIR (CRL)
11	84.56	130478	65	46.57	815438

### Students Achievements

- › The Team Arrow, a part of SAE Nirma Collegiate Club, secured the overall 5th position among the 71 International teams that participated in the AUVSI SUAS 2023. The competition was held during June 18-22, 2023 at Maryland, USA. The team won a cash prize of \$500 USD and a plaque. The team members were -Ms. Priyanshi Shah-21BME123, Sidharth Mandaliya-20BIC048, Aditya Gupta-0BME003, Devansh Talati -20BME029, Rushil Daruwala-20BME024, Jatin Vanjara-21BEE524, Vraj Modi-21BEC069, and Utkarsh Maheshwari-21BEC129.
- › The Team Arrow participated in SAEISS DDC 2023 competition in Micro and Regular categories. Achievements in Micro Category: (i) Overall second prize and a prize money of Rs.45,000/- and (ii) Design report award– first position and a prize money of Rs.10,000/-  
Achievements in Regular Category: (i) Computational Fluid Dynamics (CFD) Award- 1<sup>st</sup> position and a prize money of Rs.10000 and (ii) Design Report Award- 2<sup>nd</sup> Position. The team members were- Vaibhav Pawar-21BME521, Yug Mevada-21BME508, Ravi Shah-21BME519, Bhavya Radadiya-20BME018, Rahul Patil-21BME103, Shravan Savaliya-21BME119, Rutva Sheth-21BME129, Rishith Vanaliya-22BME130, Monil Ashapuri-22BME014, and Dhagash Patel-22BME026.
- › Team Stallions under the SAE Nirma Collegiate Club representing Institute of Technology, Nirma University, participated in SAE E-Baja 2023, during April 05-09, 2023 organised at Chitkara University, Chandigarh, India and secured 1<sup>st</sup> position in Acceleration.
- › Abhishek Baraiya and Ankit Hegde, final year students of Chemical Engineering scored 99.98 and 99.25 percentile, respectively, in CAT-2023.
- › Shruti Misra, a third-year student of the of Chemical Engineering won the gold medal in badminton tournament BOSM 2023, a National-level sports tournament organized by BITS Pilani, held on September 22-26, 2023.
- › The paper authored by Dr. Sonal Thakkar, Mr. Abhishek Chanda and Mrs. Shivanjali Rawat, titled "Use of Industrial Waste-Calcium Carbide Residue in activating one part Sodium hydroxide in geopolymer paste", has secured 2nd best paper award at 26th ISTE Gujarat State Annual Faculty Convention 2022 and Conference on "Global Exigencies for Smart & Sustainable Technologies" organized by ISTE and Indus Institute of Technology & Engineering, Ahmedabad on April 27, 2023.
- › Civil Engineering department B Tech Semester VI students Mr. Jeet Machohhya (21BCL065), Mr Om Mehta (21BCL070), Mr. Kishan Vasani (21BCL058), Mr. Vivek Brahmhatt (22BCL011) have secured the 1st position at IIT Bombay's Conquer-IT (Aakar) event. Conquer-IT presented a unique challenge, focusing on the design and casting of porous concrete with exceptional compressive and flexural strength on March 16, 2024.

- › Civil Engineering department B Tech Semester VI students Mr. Kashya Karmur (21BCL051), Mr. Keerthana K. (21BCL053), Mr. Jeet Machohhya (21BCL065), Mr. Mallick J. (21BCL066), Mr. Hana Makwana (22MCLT05) have secured second place in CEA fest 2024 at IIT Madras during March 29 to 31, 2024.
- › Vikram Awards' by Secure Meters, Sanand are awarded to the outstanding technical academic projects done by the engineering students. The final presentations of the nominated projects were held before a jury on May 16, 2023. Ms. Abhi Alisha and Mr. Dev Bhavsar worked on a project titled "Design and Development of Solar EV Charger". They stood second in the competition. The award consists of a cash prize of Rs. 50,000, a medal and a certificate from Secure Meters, Sanand.
- › B.Tech. Semester-IV students Deep Lad (21BEC023), Vedant Rokad (21BEC106) and Harsh Panara (9BEC083) won Rs.50,000/- prize money in Robofest-3.0 for successfully submitting a concept note outlining the mechanics, methodology, components, and design of the robot. The event was held on April 15, 2023. They won Rs. 2,00,000/- prize money in Robofest-3.0. held in July, 2023.
- › B.Tech. Semester-VII student Harsh Chotaliya (20BEC039) won prize money of Rs. 50,000 in Robofest Gujarat 3.0 (Stage -1) held in April 2023. Harsh Chotaliya won prize money of Rs. 2,00,000 in Robofest Gujarat 3.0. (Stage -2) held in July 2023.
- › B.Tech. Semester-III students Gurjar Dharmik Shaileshbhai (22BEC045), JaiminKumar Gulale (22BEC044), Harshil Kakkad (22BEC047) won prize money of Rs. 15,000 in Mission Chandra Competition held on August 19, 2023. The competition was organised by GUJCOST in collaboration with SAC ISRO.
- › B.Tech. Semester-IV students Vedant A. Rokad (21BEC106), Deep Lad (21BEC023), Harsh Panara (19BEC083) won prize money of Rs. 7,50,000 in ROBOFEST-GUJARAT 3.0. It was a National-level competition organised by GUJCOST.
- › B.Tech. Semester-V students Vedanti Patel (21BEC095), Kapadiya Nilkanth (20BEC050), Asutosh Tiwari (21BEC127) and Burhan Sabuwala (21BEC108) won prize money of Rs. 20,000 in ROBOFEST-GUJARAT 3.0. held in July, 2023.
- › B.Tech. Semester-VI students Vedanti Patel (21BEC095), Kapadiya Nilkanth (20BEC050), Ayush Tiwari (19BEC014) and Burhan Sabuwala (21BEC108) won prize money of Rs. 50,000 in ROBOFEST-GUJARAT 3.0. Event was held in April, 2023.
- › B.Tech. Semester-VI students Vedanti Patel (21BEC095), Maitreya Prajapati (21BEC097), Kapadiya Nilkanth (20BEC050) and Burhan Sabuwala (21BEC108) won prize money of Rs. 7,50,000 in ROBOFEST-GUJARAT 3.0. Event was held in December 2023.
- › M.Tech. Semester-IV student Shubham Shah (21MECE18) won prize money of Rs. 20,000 in IFAM Spring Innovation Conference held on June 23, 2023.
- › Team Stallions under the SAE Nirma Collegiate Club participated in SAE-Supra competition held at Buddha GP Circuit Noida on July 10-12, 2023 and won the Best cost-effective vehicle award.

## **Alumni Achievements**

- › Mr Bonny Dave, a graduate of the Institute of Technology (BTech Mechanical 2017 pass out), featured on the Feb 12, 2024 episode of 'Shark Tank - India'. He showcased his AI-powered technology designed to read and narrate content, aiding visually impaired individuals in comprehension. Notably, Mr Dave successfully secured a deal for his innovative product during the show.
- › Mr. Naman Kothari, an alumnus of the Institute of Technology from the 2021 batch, has achieved remarkable success with his exceptional academic performance. Mr Naman has secured admission to the IIM Ahmedabad, after scoring a stellar 99.97 percentile in CAT 2022. Mr Kunj Dholiya, Mr Karnva Sagathia and Mr Anurag Prasad from 2021 batch have also secured admission at IIMs.

- › Mr Nihar Shah (19BME068), B.Tech. Mechanical Engineering alumni secured an All India Rank (AIR) of 26 in GATE ME and AIR 30 in GATE XE. This remarkable feat has granted him admission to the Indian Institute of Science (IISc) Bangalore.
- › Mr. Dushyant Bheda (10BME002), an alumnus of Mechanical Engineering Department, passed the UPSC exams with a rank of 262.

› **Number of co-curricular activities organised**

- The Mechanical Engineering Department organised a two-day training programme on “Geometrics Dimensioning & Tolerancing” on July 29-30, 2023, for the Mechanical Engineering students and industry participants. The programme was organised under CCE.
- › Number of students passed the following examinations as applicable to the respective Institute, viz. NET, SLET, CAT, TOEFL, GRE, GMAT, IELTS, GATE, GPAT, ICMR, etc.

IELTS	32
TOEFL	21
CAT	06
GATE	11
GRE	30
NMAT	1
PTE	01
MICAT	01
XAT	01

**Student Clubs in the Institute - Activities**

**Summary of Activities**

Sr. No.	Name of the Club	Name of the Department	No of Activities
1	MESA	Mechanical Engineering	06
2	SAE	Mechanical Engineering	05
3	ChESA	Chemical Engineering	07
4	OrCES	Civil Engineering	05
5	IGBC	Civil Engineering	02
6	ICI	Civil Engineering	02
7	FSAI	Civil Engineering	01
8	EESA	Electrical Engineering	02
9	SRC	Electrical Engineering	05
10	ECO	Electronics and Communication	06
11	ACM	Computer Science & Engineering	01
12	CodeAdda	Computer Science & Engineering	25

**Department Activities**

SAE	
i	The SAE club, Institute of Technology, Nirma University, Ahmedabad organised the Technocalypse 2023, for students who had passed 12th grade and were interested in pursuing B.Tech. The event took place on April 23, 2023. More than 500 students participated in the event accompanied by their parents.

<b>MESA</b>	
i	MESA Day 2023 was organized on April 26, 2023. As part of the event, the students of the fourth year received a farewell. The event was inaugurated by Chief Guest, Mr Bharat Patel, MD, Waterman Industries Pvt Ltd, Ahmedabad.
ii	Various sessions were organised during July 17-27, 2023 for the newly admitted students of Mechanical Engineering, during the orientation program. Sessions included: (a) Introduction to activities of Mechanical Engineering Students' Association by Dr Mihir Chauhan and Dr Rudresh Makwana. (b) "Make the most of your mind" by Mr Akash Tanna and Ms Binda Patel from Art of Living. (c) An online alumni interaction with Ms Manasi Doshi, Research Scientist, Schlumberger Doll Research Centre, Cambridge, USA
iii	On September 04, 2023, MESA hosted an interactive talk session by Mr Amol Wagle, Inspiration Speaker at the Art of Living on the topic "Bond to Lead."
iv	A Poster Presentation competition was organized on February 09, 2024. A total of 22 teams from across the institute, participated in the competition. The first prize was won by Ms Khambhati Vanshika and Mr Akhil Goyal for their poster on "On-Road Vehicle Charging". A trophy and cash prize of Rs.6000 were awarded to the winners.
v	Mechanical Engineering Students' Association in collaboration with III Cell, Institute of Technology organised various sessions during February 13 to March 24, 2024 specifically for the students interested in job placements. Activities like group discussion, resume building, mock interviews, quiz etc. were conducted.
<b>ChESA</b>	
i	ChESA and IChE, Chemical Engineering Department celebrated ChESA Day on September 07, 2023.
ii	Chemozale 2023 - Poster and Paper presentations. was conducted on September 15-16, 2023.
iii	Foundation day was celebrated on October 03, 2023.
iv	Donation drive was organized on November 03, 2023.
v	ChemSportza Volume II organised by Chemical Engineering Students' Association on November 4-6, 2023.
vi	Aarambh - a blend of several technical and non-technical events was hosted on March 15-16, 2024.
<b>OrCES</b>	
i	OrCES, in association with NSS Unit, organized Road Safety Awareness Programme on April 13, 2023. During the event, a session on Road Safety Awareness by Mr Amit Khatri, a member of the executive committee at Gujarat Road Safety Authority and winner of the National Award on 'Indian Road Safety Mission 2015' was held. After the session, an online quiz on the Road Safety aspect was arranged. Various events to check the traffic sense of drivers were organized on the Dome Ground.
ii	To raise awareness about the significance of water quality, Civil Engineering Department along with OrCES & NSS organized a Water Quality Awareness Drive on April 13, 2023. The event created an opportunity for students to learn about the various factors that affect water quality and how it impacts human health.
iii	Blood donation drive was organized by OrCES in collaboration with Spandan, the social club – IMNU, along with Kalupur Bank, FSAI, National Service Scheme, SoE NSS unit, and the Indian Red Cross Society on August 01, 2023.
iv	Teacher' Day celebration was organized by OrCES on September 04, 2023.

v	On October 03, 2023, the Institute of Technology, Nirma University celebrated its 29th Foundation Day. This year, the celebration was organized by the Organization of Civil Engineering Students (OrCES) in collaboration with the NSS.
<b>IGBC</b>	
i	The World Green Building Council was celebrating the World Green Building Week from September 11-15, 2023, on the theme of 'Building the Transition.' IGBC Students' Chapter organized a Model Making Competition on "Plastic Waste: Waste to Wealth" on September 14, 2023.
ii	The IGBC Student chapter and Department of Civil Engineering arranged an expert lecture on "Effective Plumbing System Design" on January 29, 2024 for B Tech semester VI students. The session was conducted by Mr K L Maheshwari, HVAC Consultant, MEP Consultant; Owner, Maheshwari Consultants, Ahmedabad.
<b>ICI</b>	
i	ICI organized an online quiz event titled Quizathon 2.0. on September 07, 2023.
ii	On March 27, 2024, the ConCretQ - Video Quiz Challenge was held. Around 40 students from B.Tech and M.Tech programmes of Civil engineering participated. Structured into three rounds consisting of a Video Quiz, Group Discussion, and Buzzer Quiz, the competition not only promoted learning and knowledge acquisition but also encouraged the development of a competitive spirit among participants.
<b>FSAI</b>	
i	FSAI Students Chapter, Department of Civil Engineering in collaboration with the FSAI Gujarat Chapter – Women's Wing organized a session on "Increasing Awareness on Social Media, Cybersecurity, and Women Safety" for B. Tech. Civil Engineering students on September 13, 2023. Dr Lavina Sinha (IPS), Deputy Commissioner of Police, Zone 1, Ahmedabad City, was the chief guest and keynote speaker. Ms. Kaivaishin, Cyber Security & Digital Forensic Analyst & Founder, Invesic Cyber Forensics Cyber LLP delivered a talk on Cyber security.
<b>EESA</b>	
i	The 9 <sup>th</sup> edition of Scintilla, Electrical Engineering Students' Association's flagship event, organized on March 01-02, 2024, marked a celebration of both technical prowess and creative exploration. Themed "Electroverse - Technology and beyond," the event served as a platform for students to delve into the realms of innovation and imagination. Alongside riveting technical competitions that challenged participants to showcase their engineering acumen, Scintilla '24 also featured an array of non-technical events, attracting 500+ participants from Nirma University and other colleges of the state.
ii	The Electrical Engineering Students' Association (EESA) along with the department of Electrical Engineering, Nirma University hosted an extension activity on March 16, 2024. The activity aimed at providing practical and theoretical knowledge to Diploma Electrical students from Government Polytechnic, Ahmedabad.
<b>SRC</b>	
i	The Students Research Cell (SRC) of the EE department organized a session on "Introduction to Citation and Referencing" for UG/PG students on April 01, 2023. Dr. Amarkumar Barik, Assistant Professor of EE, delivered the session to make students aware of various referencing styles and to help them prepare bibliographies and cite literature in technical writing and presentations.
ii	SRC organized a session on "Art of reading research articles: Methodically & Effectively" for UG/PG students on April 24, 2023. Dr. Soumesh Chatterjee, Assistant Professor, EE delivered the session to motivate the students to explore basic techniques and methods for effectively reading the research articles for their research and project work.

iii	SRC organized a session on “How to write a research paper” for UG/PG students on April 13, 2023. Dr. S. C. Vora, Professor, EE delivered the session.
iv	SRC organized a session on “Effective Technical Communication” for UG/PG students on October 30, 2023. Prof. S. V. Kulkarni, IIT Bombay delivered the session.
v	UG research symposium was organized by SRC, Institute of Technology on March 30, 2024. An idea presentation in the form of poster/review paper was held. A total of 11 posters and 4 papers were presented and reviewed by Dr. Amit Sant, Associate Professor, PDEU.
<b>ECO</b>	
i	On April 15, 2023, the Electronics and Communication Students' Organization organized an outreach Programme “Ecognizance” for the students of standard 11 and 12. More than 350 students participated in the event accompanied by their parents. The Programme was organised in three sessions. The first session provided information about the facilities for the students at the Institute of Technology, Nirma University. The teaching, learning and research facilities at the Department of ECE were also discussed in the session. Alumni members (Ms. Minal Sampath, Mr. Rahul Sanghavi and Mr Drupad Gupta) shared their journey with the audience. Industry experts like Dr Satya Gupta, President of VLSI Society of India and Mr Chetan Singhala, Director, Software, Cadence, Ahmedabad, presented their views on the future of EC engineering in the next decade. Mrs. Deepa Jain, a parent of current student shared her experience.
ii	An online event "Placement Mantra" was organised on January 07, 2024, attended by 70 students from Semester IV and Semester VI.
iii	On October 03, 2023, “Codecook” was organised online for all the coding enthusiasts.
iv	On November 10, 2023, a Sweet Distribution ceremony for support staff members from all the departments including hostels, estate, security, and sweepers, across the university and school was organized on the occasion of Diwali.
v	On March 16, 2024 a workshop on “RC CAR” was held for the students of all the department of the Institute. The participants were introduced to the world of remote-controlled cars, covering various aspects from assembly to operation.
vi	On March 30, 2024 a workshop on “PCB Design” followed by a visit to PCB Power India was held.
<b>ACM</b>	
i	On February 10, 2024, the ACM Student Chapter along with AMS organized an event ‘ProjectKon’, focused on developing applications and websites. A set of projects were provided to participant teams to work on a day before the event, allowing participants to conduct research and development for all the projects. On the event day, teams were randomly assigned a project from the list. The development platform was universal for all projects, enabling teams to create websites or mobile apps without any language barriers. A total of 78 students of the Department of Computer Science and Engineering participated in the event.
<b>CodeAdda</b>	
i	On April 16, 2023, CodeAdda organized "CodeAdda SHA Round #7” focusing on coding and testing the participants' logical problem-solving abilities. 49 participants took part in this event.
ii	On April 22, 2023, CodeAdda organized "CodeAdda SpeedForces" emphasizing coding and assessing the participants' logical problem-solving skills, with a focus on faster implementation skills. 85 participants took part in this event.
iii	On May 13, 2023, CodeAdda organized "CodeAdda SHA Round #8". 29 participants took part in this event.
iv	On June 10, 2023, CodeAdda organized "CodeAdda SHA Round #9". 48 participants took part in this event.

v	On June 19, 2023, CodeAdda organized "CodeAdda SHA Round #10". 39 participants took part in this event.
vi	On June 27, 2023, CodeAdda organized "CodeAdda SHA Round #11". 53 participants took part in this event.
vii	On July 14, 2023, CodeAdda organized "CodeAdda SHA Round #12". 54 participants took part in this event.
viii	On July 20, 2023, CodeAdda organized "CodeAdda SHA Round #13". 107 participants took part in this event.
ix	On July 26, 2023, CodeAdda organized "CodeAdda SHA Round #14". 67 participants took part in this event.
x	On August 2, 2023, CodeAdda organized "CodeAdda SHA Round #15". 72 participants took part in this event.
xi	On August 8, 2023, CodeAdda organized "CodeAdda SHA Round #16". 48 participants took part in this event.
xii	On August 8, 2023, CodeAdda organized "CodeAdda Beginner Round 1". 45 participants took part in this event.
xiii	On August 27, 2023, CodeAdda organized "CodeAdda SHA Round #17". 40 participants took part in this event.
xiv	On August 27, 2023, CodeAdda organized "CodeAdda Beginner Round 2". 47 participants took part in this event.
xv	On October 29, 2023, CodeAdda organized "CodeAdda Prelims Contest 2023 - II". 87 participants took part in this event.
xvi	On January 2, 2024, CodeAdda organized "CodeAdda New Year Contest 2024". 32 participants took part in this event.
xvii	On January 11, 2024, CodeAdda organized "CodeAdda Enigma Round #1". 73 participants took part in this event.
xviii	On January 19, 2024, CodeAdda organized "CodeAdda Enigma Round #2". 59 participants took part in this event.
xix	On January 20, 2024, CodeAdda organized "Competitive Programming Session with Pranav Mehta for first-year students". 62 participants took part in this event.
xx	On January 26, 2024, CodeAdda organized "CodeAdda Enigma Round #3". 45 participants took part in this event.
xxi	On February 8, 2024, CodeAdda organized "CodeAdda Enigma Round #4". 44 participants took part in this event.
xxii	On March 14, 2024, CodeAdda organized "CodeAdda Enigma Round #5". 57 participants took part in this event.
xxiii	From March 23, 2023, to March 30, 2023, CodeAdda organized "CodeAdda Premier League (CPL)". 183 participants took part in this event.
xxiv	On April 28, 2024, CodeAdda organized "CodeAdda Enigma Round #6". 57 participants took part in this event.

### **E-Cell (Entrepreneurship Cell under the Centre for Entrepreneurship)**

- › The Entrepreneurship Cell organised "The Rebranding Competition," on April 28, 2023, with 90 students participating to revitalise companies through innovative rebranding strategies, which were evaluated by industry experts based on presentation, problem-solving, and creativity.
- › The Entrepreneurship Cell organised an expert lecture by CA Umang Ratani on September 22, 2023, for 200 students, enlightening them on building their own start-ups.

- › The Cell organised an expert lecture by Mr. Aditya Dave on September 25, 2023, for 500 students, wherein his extensive experience and innovative contributions at the intersection of technology were highlighted.
- › The Cell organised the event, Smart India Hackathon (SIH) 2023 Local Round, on August 22, 2023 with over 450 participants forming 80 teams.
- › The Cell organised the event, the "RoverXCraft" workshop, on October 28, 2023. During the workshop, participants underwent the entire process of working with the rover, starting from scratch to building the entire circuit.
- › The Cell organised the NASA Space Apps Challenge on October 07-09, 2023, with 600 participants.
- › The Centre for Entrepreneurship, organised a Case Study Competition on December 02, 2023, with 65 participants. The competition commenced with a mentoring session led by Prof Satish Nair, followed by a quiz round, case study solving, and presentation.
- › The Cell organized an Ideathon Workshop on January 20, 2024, with 60 students in attendance. The speaker, Dr. Kruti Patel, Founder and Director of She & WE, an Institute for Women Entrepreneurship, led the session. The event focused on the fundamental concept of the Golden Circle of Entrepreneurship and included in-depth case studies that provided valuable insights.
- › The Entrepreneurship Cell organised the Innovest challenge on March 20, 2024. This premier startup pitching event aimed to provide a funding and networking platform for emerging startups.
- › The Entrepreneurship Cell organised a Financial Modeling Workshop on March 02, 2024, with 30 students in attendance. The speaker, Dr. Mayank Patel, is a luminary in the realm of finance and investment. The workshop served as a basis for collaborative learning and intellectual exchange, igniting a fervent symphony of ideas, insights, and revelations.

### **Activities of Guidance and Counselling Unit**

A structured mentoring policy is adopted for the students, under which, two mentoring sessions per semester are arranged for the students. Regular counselling of the students is done by the faculty members. Professional Counseling is made available to the students to help them cope with depression, examination stress, personal problems etc. Ms Sapna Bhatt, a professional Counsellor, conducted awareness sessions for faculty and students, and she is available three days a week for personal counselling at the campus.

### **Campus Placements**

The Campus placement has been one of the milestones of Nirma University. Campus Placement of the students in the right kind of job opportunities is an endorsement of educational excellence in the respective field. 86.41 % of BTech-eligible/registered students and 42.47 % of PG (M Tech+ MCA) eligible/appeared students of the 2024 batch passing out students from the Institute of Technology, Nirma University, have bagged lucrative offers from reputed recruiters.

More than 200 companies have already participated in the current batch placement process. The key recruiters include Arm Limited Accenture, Adani Group, Advanced Micro Devices, Inc., Amazon India, Arcelor Mittal, Nippon Steel India Limited, Arvind Limited, Axis Solutions Pvt. Ltd., Cadence Design Systems, Inc., CEAT Limited, Corpository-A Yubi Company, Daimler India Commercial Vehicles Pvt. Ltd., DCM Shriram Limited, Deepak Chem Tech Limited, Deepak Nitrite Limited, Deepak Phenolics Limited, Deloitte Shared Services India LLP, Deutsche India Private Limited, eInfochips (an Arrow company), Essar Power Limited, Flipkart Private Limited, GE Digital, Goldman Sachs India, Google IT Services India Private Limited, Hindustan Unilever Limited, Honda Motorcycle & Scooter India Private Limited, Hyundai Motor India Ltd., IBM India Private Limited, Ingersoll-Rand India Ltd, Larsen & Toubro Limited, Linde Engineering India Private Limited, Microsoft India (R&D) Pvt Ltd., Morgan



Stanley Advantage Services Private Limited, Nayara Energy Limited, Nuvoco Vistas Corp. Ltd. , NVIDIA Corporation, Oracle India Pvt. Ltd., Polycab India Limited, Reliance Industries Limited, S&P Global Inc., Schneider Electric India, Secure Meters Limited, Siemens Energy Industrial Turbomachinery India Private Limited, Siemens Limited, Suzuki Motor Gujarat Private Limited, Tata AutoComp Systems Limited, Tata Chemicals Limited, Tata Consultancy Services Limited, Tata Motors Limited, Torrent Power Limited, Wipro Enterprises Limited, Worley India Pvt. Ltd., Yokogawa India Limited.

Companies that offered PPOs are Amazon India, Cactus Communications Pvt. Ltd., Deutsche India Private Limited, Gateway Group of Companies, Goldman Sachs India, HLS Asia Limited, Jubilant Ingrevia Limited, Northern Operating Services Pvt Ltd, Reliance Industries Limited, Schneider Electric India, Trading Technologies International, Inc.

Highest salary offered by Google IT Services India Private Limited is Rs. 52,25,525/- p.a. and Microsoft India (R&D) Pvt Ltd. Rs. 49,14,138/-p.a. in Computer Science & Engineering, Arm Limited Rs. 35,56,665/-p.a., in Electronics & Communication Engineering, Micron Technology, Inc. Rs.14,91,000/- p.a. in Electronics & Instrumentation, Mechanical Engineering, and Electrical Engineering, Flipkart Private Limited Rs.13,52,000/- p.a. in Chemical Engineering and Prodair Air Products India Pvt. Ltd. Rs. 7,79,417/- p.a. in Civil Engineering.

During 2023-24 the average salary offered in B.Tech was Rs. 8,03,292/-p.a. in M.Tech Rs. 9,69,897/- p.a. and in MCA Rs. 4,95,290/-p.a.

The median salary offered in in B.Tech was Rs. 6,50,000/-p.a. in M.Tech Rs. 6,00,000/- p.a. and in MCA Rs. 5,00,000/-p.a.

The role / profile offered to the students include, Software Developers, Analyst, Applications Developer, Assistant Executive Engineer, Business Development Manager, Business Process Analyst, Cloud Engineering Analyst, Data Engineer, Design Engineer, Embedded Engineer, Engineer – Research & Development, Officer - Technical Services, Physical Design Engineer, Project Associate-I, Project Management, QA Analyst, Quality Assurance Engineer, Senior Executive - Civil Engineering, etc.

124 students opted for higher studies. Name of few Institutes where students are going for higher studies are American University, Arizona State University, Babson College, Boston University / NYU, California State University, Fullerton, CEPT, Cornell University, Duke University, Eindhoven University of Technology, HWR Berlin, Lancaster University, North Carolina State University, Northeastern University, Purdue University, RMIT University, Rutgers University -New Brunswick, San Jose State University, Santa Clara University, State University of New York - Binghamton University, SUNY Binghamton, The George Washington University, UC Berkeley, University of Houston, University of Illinois, Urbana-Champaign, University of Maryland, College Park, University of Minnesota, University of Missouri Kansas City, University of South Pacific, University Of Southern California, Virginia Tech, WHU, Pace University, IIMs, IISc Bangalore, IMT Ghaziabad, Institute of Rural Management Anand, etc.

04 students opted for Entrepreneurship.

### Other Placement details at a glance:

	B.Tech	M.Tech	MCA
Opted for Placement	773	141	72
Students Placed	608	51	30

Number of companies that participated in the Placement process: 200+

### Gender-wise Batch Statistics (for B Tech)

	Girls	Boys
Number of students placed	98	510
Students opted for Higher studies	29	95
Students opted for Entrepreneurship	00	04

### Sports achievements during the year 2023-24

Sr. No	Name of the Event	Date	Organizing club/inst./ committee	Level of Event	No. of student participants			Achievement
					M	F	Total	
1	BOSM	September,23-26, 2023	BITS Pilani	National	19	3	22	Badminton girls - Winners
2	Indus Cup	January 08-12, 2024	Indus University	Inter-University	19	9	28	Volleyball Boys - Runners Up
3	VIAJE	January 15-17, 2024	Karnavati University	Inter-University	12	0	12	Football Boys - Winners
4	Energy Cup	February 10-12, 2024	PDEU	Inter-University	61	27	88	Badminton girls Winners Badminton Boys - Runners up Basketball Boys – Runners up Athletic boys– Runner up in 200m,5000m Athletic girls– 200m,4*100m relay 4*100m mixed relay
5	Justice League	February 12-17, 2024	GLNU	Inter-University	44	15	59	Lawn Tennis boys- Runners up Table tennis Boys- Runners up Basketball Boys – Runners up Badminton Girls – Winners Athletic Boys- Winner in 400m, Runner up in 200m, 4*100m mixed relay
6	Nirma Cup	March 04-07, 2024	Nirma University	Inter-University	32	15	47	Volleyball Boys- Runner up Volleyball Girls- Winner

								Chess Boys- Runner up Table tennis Boys and girls – Runners up
7	Inter Department Basketball	October 30, 2023 and November 01- 02, 2023	ITNU	Inter- Department	82	27	109	Winners boys – Mechanical Winner girls- CSE
8	Inter Department Badminton	March 16-17, 2024-	ITNU	Inter- Department	32	11	43	Winners boys – Mechanical Winner girls- Electrical
9	Inter Department Lawn Tennis	March 15, 2024	ITNU	Inter- Department	16	4	20	Winners boys – CSE Winner girls- EI
10	Inter Department Cricket	March, 15-20, 2024	ITNU	Inter- Department	120	-	120	Winners - CSE

## Alumni Association Activities

### Annual General Meeting

24<sup>th</sup> Annual General Meeting and Annual get-together of NITAA was held on January 06, 2024 at Nirma University campus. The meet was presided over by Dr. R. N. Patel, Director, ITNU.

The important activities conducted during the meet are as under:

1. The event began with the registration from 5.00 pm. Dr. Sanjay Jain, Secretary, NITAA welcomed the alumni and faculty members.
2. Dr. Sanjay Jain presented the Annual report of the Association for the year 2023 which highlighted the alumni activities carried out throughout the year across different departments like: Alumni expert lectures, workshops and seminars by alumnus, visit to alumni industries, role of alumni in academics etc. He further requested the alumni to join AlmaConnect and NITAA Facebook page so as to increase alumni reach to a larger extent.
3. Prof Tejas Raval, Treasurer, NITAA presented the accounts of the financial year 2022-23. The financial statements were approved by the members present in the AGM. The members also approved the Auditor for the audit of NITAA accounts.
4. Dr Sanjay Jain discussed about the facilities in AlmaConnect, the Alumni Connect portal and also urged to encourage more and more alumni for registration on AlmaConnect. He also discussed about the magazine SETU in which articles by alumni are published.
5. Dr. R N Patel, President, NITAA, addressed the gathering and briefed about various activities and achievements of the Institute and plans for the Silver Jubilee Celebrations for 1999 batch. He has

suggested to have more events related to start-ups, more alumni meets at Noida, Mumbai, Hyderabad and Pune. He also suggested to arrange more Meets abroad in online mode.

6. He also requested to the alumni members to provide valuable suggestions / feedback / inputs to build strong alumni bonds. He further informed the gathering regarding successful NBA accreditation of under graduate programmes of various departments and NAAC accreditation with A+ grade to the University. He has also presented the information about the facility available with Incubation Centre – SSIP at Nirma University.
7. Alumni members who attended AGM gave inputs and feedback for organising Alumni related activities.
8. After the AGM, nine Alumni members were felicitated for their excellent contribution to profession/society by NITAA.
9. After the AGM, various events were conducted including some fun activities for the children of alumni, followed by the dinner.
10. NITAA Annual meet was attended by more than 800 members which includes around 600 alumni (with family members), 110 faculty and staff members and 35 student volunteers.

### **NITAA Awards**

Sr. No	Department	Name of Alumni	Designation
1	CE	Mr. Shivang Bhagat	Sr. Consultant at Healthark Insights
2	CH	Dr. Nilanjana Banerjee	Associate Professor; Head– Energy cluster, Department of Chemical Engineering & Petroleum Engineering, UPES, Dehradun
3	CL	Mr. Pranshu Jain	Executive Director, PWC
4	EC	Mr. Vishal Mehta	Head- Vision EPD, Jekson Vision, Ahmedabad.
5	EE	Mr. Gaurav Matthey	Test & Diagnostic Lead, Silicon Engineering, Google Inc.
6	EI (IC)	Mr. Vipin Chaplot	Founder and CEO, VRPA Pvt. Ltd.
7	IT	Mr. Priyank Bhadja	Sr. Software Engineer, Google
8	MCA	Mrs Pooja Swaroop	IRS, Additional Commissioner of Income-tax, Delhi
9	ME	Mr Yash Shukla	Principal Researcher and Center Head, Center for Advanced Research in Building Science and Energy, CEPT University, Ahmedabad

### **NITAA Scholarship**

Sr. No.	Roll No	Name
1	20BCL027	Harsheetraj Chohan
2	20BEE004	Achary Sanskruti
3	21BCH065	Mudit Surana
4	21BCE125	Akshat Kotdia

5	21BME144	Vijay Vadher
6	21BEE043	Kirti Rawal
7	21BCE234	Pranshu Desai

### **NITAA Activities at Department level**

<b>Department</b>	<b>Type of Activity</b>	<b>Date</b>	<b>Brief of the Activity</b>
<b>CSE</b>	Start-up meet	April 13, 2023	Department of Computer Science and Engineering has started meets of Startup founders in association with echai ventures. Mr. Jatin Chaudhary, founder of echai is an alumnus of the institute. The speakers for the first meet were Mr Jatin Chaudhry, Mr Aditya Dave and Mr Faraz Wadhwanian.
	Alumni Talk	April 19, 2023	Mr Yagnik Suthar, Senior Software Engineer at Simform, delivered an expert talk on “Building iOS Apps: A Beginner's Guide to Swift and Xcode” for MTech and MCA Semester-II students.
	Panellist	April 20, 2023	Ms Khyati Virani Bhatt, the founder of Simpy Body Talk who is an alumnus of CSE department shared her inputs on wise investing for students and startup founders.
	Visit	April 20, 2023	Mr.Vimal Savalia, first batch alumnus of CE and his team visited the campus on April 20, 2023. He is the Founder of Tech Holding. They visited the Centre of Excellence and conducted meetings with the students. He guided the students on how to prepare for the interview, what technologies and tools to learn, etc.
	HackNuThon	April 29-30, 2023	CSI Student Branch organised HackNuThon 4.0 wherein more than 600 participants attended the event. Problem statements were given by the Industries where Nirma alumni are working.
	Alumni Talk	September 14, 2023	Mr Pratik Patel, CEO , Yudiz Solutions Ltd. delivered a talk on

		“Entrepreneurship“ for B.Tech - CSE students.
Alumni Talk	September 15, 2023	An expert talk on “Entrepreneurship vs Employment: Most of Young Gen Ddilemma” was conducted by Ms. Khushboo Solanki (2005 pass out IT Batch), the founder of Zero Gravity Communications. The talk aimed to shed light on crucial entrepreneurial strategies and insights, making it an event of significance importance.
Alumni Talk	September 22, 2023	Alumnus, Mr Pratik Patel, CEO , Yudiz Solutions Ltd. delivered a talk on “Entrepreneurship“ for Integrated B.Tech - CSE MBA Trimester-VII and MCA Sememster-III students.
MoU Signed with Yudiz Solutions Ltd.	December 26, 2023	The collaboration aims to imbibe practices, breakthroughs, and the application of said technologies at Yudiz through projects assigned to interns under the guidance of the expert faculty at Nirma University. It also aims to conduct consultancy, training programmes, and research projects with Yudiz Solutions Ltd, utilising the knowledge gained.
Alumni Talk	February 01, 2024	Expert talk by alumnus Ms Aastha Dangar (Dy Collector). The talk was structured to offer comprehensive guidance on navigating the path to success in the Civil Services Examination.
Alumni Talk	February 10, 2024	Expert talk by alumnus Ms Pooja Swaroop (IRS). The talk was structured to offer comprehensive guidance on navigating the path to success in the Civil Services Examination.
Alumni Talk	January 30, 2024	Mr. Shivam Patel (Google Employee) attended a session on career guidance, with a major focus on internship possibilities in and outside India.

<b>CH</b>	Alumni Talk	April 27, 2023	Mr. Savan Aghara, Consultant in S & P Global, Gurugam presented "Overview of Petroleum Refineries" to IV and VI Semester students.
	Alumni Talk	April 28, 2023	Dr. Nidhi Mehta, Assistant Professor at L.J. Institute of Engg and Technology discussed "Pressure Measuring Instruments" with IV Semester students.
	Alumni Talk	April 28, 2023	Mr. Hrishikesh Pandya, Sr. Solutions Consultant at AspenTech, Abu Dhabi, UAE, addressed IV Semester students on "Usefulness of thermodynamics in Process Industries".
	Alumni Talk	July 17, 2023	Mr. Yash Katrodiya, Founder at Recells Technology - The Future Batterie spoke to Semester-III students about "From Idea to Impact - A Roadmap to Entrepreneurial Success".
	Alumni Talk	July 17, 2023	Mr. Palak Kumar Mehta, Asst. Env. Engineer, Class-II Officer, GPCB engaged semester-VII students with "Cracking Competitive Exams".
	Alumni Talk	July 18, 2023	Dr. Nilanjana Banerjee, Associate Professor, School of Advanced Engineering, UPES, Dehradun, delivered a talk to semester-III students on "Net Zero - Decarbonization of Energy and Chemical Industries".
	Alumni Talk	July 18, 2023	Mr. Daksh Bajori, Plastic Specialist at Rivieraa discussed "Growth in the core Manufacturing Sector" with semester-V students.
	Alumni Talk	July 18, 2023	Mr. Karan Shah, Partner at Krishna Enterprise, advised semester-V students on "Options for Higher studies".
	Alumni Talk	July 18, 2023	Mr. Parthiv Shah, Director at Doctoir C, Bangalore, shared guidelines with Semester-III students on pursuing management

		studies and the corporate job market.
Alumni Talk	July 18, 2023	Mr. Survashish Chattopadhyay, Associate Manager, Ops Consulting & Transformation Accenture discussed "Career paths after Engineering, with Focus on Operations and its Taxonomy" with semester-VII students.
Alumni Talk	July 18, 2023	Mr. Palakkumar Mehta, Associate Environmental Engineer in Gujarat Pollution Control Board (GPCB) guided Semester-VII students in "Cracking Competitive Exams".
Alumni Talk	August 28, 2023	Mr. Anjani Sharma, Scientists at ISRO Guided Semester-V and VII students on "Interview preparations and soft skill development".
Alumni Talk	August 28, 2023	Ms. Anuradha Tadeppali, Senior Manager of Deloitte Consultancy, USA discussed "Scope of Chemical Engineering in Space Science and Technology" for semester-VII students.
Alumni Talk	September 29, 2023	Mr. Bala Venkata Praveen Inala, Head HSE, Indorama Fergonaazot, Uzbekistan guided semester-V students on "Waste Management and Industrial Waste Reduction Techniques".
Alumni Talk	September 30, 2023	Mr. Himanshu Bhutia, Environment Incharge, Aarati Industries, Bharuch discussed "Industrial Wastewater Treatment" with semester-V students.
Alumni Talk	October 19, 2023	Ms. Nidhi Mehta, Assistant Professor at L.J. Institute of Engg and Technology discussed "Non-Ideal Reactors" with semester-VII students.
Alumni Talk	January 11, 2024	Mr. Vikram Kataria, Founder of The Vedas explored "International business and e-commerce, opportunities for Indian products



			in the world" with semesters-V and VII students.
	Alumni Talk	February 02, 2024	Ms. Keshu Lakhotia, Senior Food Scientist & NPD Lead, Harvest B, Sydney, Australia delivered a lecture titled "Significance of fostering diversity in STEM" to the students of semester-VI.
	Alumni Talk	March 27, 2024	Mr. Poorvesh Sanghvi, Pursuing MBA from PDEU presented "Marketing as a career option and about MBA" to semester-VII students.
CL	Expert Lecture	July 07, 2023	Expert Talk by Mr. Harishchandra Jakhmola, GM, Kalptaru Transmission and Power Limited. He shared his academic and professional experiences with BTech Civil Engineering students during the orientation program.
	Alumni Talk	July 17, 2023	Expert talk by Mr Hitesh Limbasiya, Executive Project Engineer, Sabarmati Gas Limited. He shared his academic and professional experiences with the BTech Civil Engineering Students during the orientation program.
	Alumni Talk	July 17, 2023	Expert talk by Mr Mr. Hiren Solanki, PhD scholar and recipient of Prime Minister's Research Fellowship. He shared his academic and professional experiences with the BTech Civil Engineering Students during the orientation program.
	Expert Lecture	July 27, 2023	Expert talk by Mr Bhavesh Patel, Director, Techlution (India) Pvt. Ltd., Ahmedabad. He shared importance of structural engineer and role of structural engineers in professional practices through case studies of projects with the 1st year MTech CASAD newly joined students during the orientation programme.

Alumni Talk	July 27, 2023	Expert talk by Mr Vishrut Gandhi, Director, CASAD Consultants Pvt. Ltd., Ahmedabad. He shared information on importance of structural engineer and role of structural engineers in professional practices through case studies of projects with the 1st year MTech CASAD students during the orientation programme.
Alumni Talk	August 07, 2023	Mr Prasanna Salasiya, pursuing PhD at the University of Minnesota visited the campus and shared his experience with the students and faculty members of Civil Engineering Department.
Alumni Talk	September 13, 2023	Expert talk by Ms Megha Bhatt, Secretary of FSAI Gujarat Chapter. She took a session on 'Increasing Awareness on Social Media, Cyber security and Women Safety' for B. Tech Civil Engineering students.
Alumni Talk	October 07, 2023	Expert talk by Mr Jay Dholariya, Owner of JD Structure Design, shared his view on the Limit State Design for Water Retaining Structures with MTech CASAD Semester I students.
Alumni Talk	February 06, 2024	Expert talk by Mr Prakas Siyani, Owner of P-Cubes Consultants Ahmedabad. He shared his views on Modelling analysis and design of Tall Buildings with MTech CASAD students.
Alumni Talk	February 06, 2024	Expert talk by Mr Rushil Patel, Sr. Structural Engineers at P-Cubes Consultants Ahmedabad. He shared his views on Modelling analysis and design of Tall Buildings with MTech CASAD students.
Alumni Talk	March 01, 2024 and March 29, 2024	Expert talk by Ms Megha Bhatt, Principal Associate Electra Techno consultant and Associate (MEPF consultant) Ahmedabad. She shared her views on electrical services concept and design for

			building with B Tech Semester VI students.
	Placement process	March 23, 2024	Mr Shashin Patel, Senior Designer at S3M Pvt Limited visited the campus for recruitment process. He also visited the Heavy Structures Laboratory.
EE	External Reviewer for BTech Major Project	May 24, 2023	Mr. Chirag Chauhan (Consultant, Enlec Solutions), Mr. Jwal Trivedi (Director, SAPT Engineers), Prof. Vihang Dholakiya (Assistant Professor & Officer on Special Duty at Commissioner of Technical Education, Gujarat Government), Prof. Rakesh Patel (Associate Professor, G H Patel college of Engineering and Technology), and Mr. Milan Anandpara (MD & Service Head, SAPT Engineers), acted as external reviewer for Major Project review (UG-EE-Sem. VIII)
	Alumni Talk	August 01, 2023	Capt. Dhruven Bhatt, Pilot, Qatar Airways gave an expert lecture on "Opportunities and Career Avenues for Engineers in Aviation Sector" for UG-EE, Sem. V and VII students.
	Chief guest for inaugural function	September 01, 2023	Ms. Rajal Patel, (Director, Altenmo Technologies Pvt Ltd) was the chief guest for inaugural function "Vidyut Adbhutam 2023".
	Alumni Talk	February 09, 2024	Ms. Akshi Jain, BDE - Mindra, had given the expert lecture on the theme of "Future Prospects of Electrical Vehicle Charging Infrastructure" for UG-EE, Sem. IV and PG-EE-EVT Sem. II students.
	Workshop	March 02, 2024	Mr Chintan Akbari (Managing Director at Om Transformer, Anugrah Transformer, Om Associate, Khush Enterprise, and V.N. Energy) conducted a workshop named Volt Voyage "Decoding the Transformer" under

			Scintilla'24 for participated BTEch students. The alumnus aimed to teach and visualize students about the integral parts of transformer by dismantling it.
	Alumni Talk	March 26, 2024	Mr. Siddharth Dabhi (Technical Sales Manager, PM Electronics) demonstrated the BYD EV and charger for UG-EE, Sem. IV students. Mr Dabhi wished that students would be encouraged towards EV sector.
	Reviewer for UG Research Symposium	March 30, 2024	Dr Amit Sant, Associate Professor - PDEU, had acted as reviewer for UG research symposium in association with IEEE-YP NU student branch under UG SRC.
	Sponsors for SCINTILLA'24	March 01-02, 2024	Mr. Sameep Desai, MD - Omega Elevators had acted as one of the major sponsors for SCINTILLA'24.
	Sponsors for SCINTILLA'24	March 01-02, 2024	Mr. Yash Bhatt and Mr. Purvarajsinh Zala, Founder and Director - Evotar had acted as one of the major sponsors for SCINTILLA'24.
EC	Alumni Talk	February 02, 2023	Mr Siddharth Mistry, Director, Teq Dilligent, Ahmedabad delivered a talk on High Speed Digital Board Design for the final year students of B. Tech EC.
	Industry Visit	July 07, 2023	An industrial visit to Jekson Vision, Changodar, Ahmedabad was organized for participants of the Short Term Training Program (STTP) on Machine Learning for Electronics Engineers. The visit aimed to provide insights into the practical application of machine learning in the field of vision technologies, with valuable guidance from Mr. Vishal Mehta, an esteemed alumnus and Head of the Software Division at Jekson Vision.
	Alumni Talk	September 13, 2023	Mr. Ronal Khara, Staff Consultant for Oracle Fusion HCM Cloud, Oracle Pvt. Ltd., delivered a

			lecture aimed to enlighten B. Tech Semester VII students about the significance of Cloud Computing and the potential career paths in consultancy.
	Alumni Talk	September 22, 2023	Mr. Pavan Shah, Infineon Technologies, Bangalore, conducted a lecture aimed to enhance the understanding of Embedded Networking Interface on Microcontrollers among M.Tech students specializing in Embedded Systems.
	Alumni Talk	November 11, 2023	Ms. Khushnuma Jhunjhunwala, CPU Validation Engineer, Qualcomm, Bengaluru, conducted a lecture aimed to provide students of BTech Semester VII (Department Elective) and M.Tech (ES) Sem-I with insights into the intricacies of the Processor Design Cycle.
EI	Alumni Talk	January 03, 2024	Ms. Somya Gupta, HVDC Control Engineer, Siemens Energy, Germany delivered a talk on “My Academic and Professional Journey from Nirma University to Nuremberg (Germany)” for the students of B.Tech - semester-IV.
	Alumni Talk	January 10, 2024	Mr. Jasraj Rajpurohit, Technical Leader of Image Processing, Kevision Systems, Ahmedabad delivered an expert lecture on “Industrial Applications of Image Processing” for B.Tech. semester-VI students.
	Alumni Talk	February 25, 2024	Mr. Hardik Patel, Senior Software Engineer at Alstom, Ahmedabad delivered an expert lecture on “Industrial Applications of LabVIEW and Career Prospects” for B.Tech semester-VI students.
ME	Alumni Talk /Panel discussion	April 26, 2023	On the occasion of MESA Day, a panel discussion cum expert talk was organised. Alumni members of Mechanical Engineering Mr. Shailesh Nimawat, (KSR Design), Mr. Pilak Shah (Harsha Engineers), Ms Anjali Zaveri

		(PASI Pvt Ltd.), Dr Nityam Oza (Govt. Polytechnic), and Mr. Tarun Bothra (Saathi Pads) actively participated and motivated the students.
Alumni Talk /Interaction	February 15, 2024	Mr Shail Patel, Business Consultant at Ernst & Young - India, Ahmedabad, delivered a talk on higher studies and opportunities after engineering.
Alumni Talk	February 26, 2024	Mr Gaurav Joshi, Project Manager, Rolling Stock Workshop, Western Railways, Dahod, Gujarat, delivered a talk on Preparation for UPSC and GATE.
Alumni Talk	February 26, 2024	Dr Manasi Doshi, Research Analyst at Schlumberger- Doll Research Center, Cambridge, Massachusetts, USA delivered a talk on Career in Research.
Alumni Talk	February 28, 2024	Mr Kunj Dholiya, delivered a talk on "Introduction to CAT" to the students of B. Tech Mechanical Engineering.
Alumni Talk	February 29, 2024	Mr. Karan Patel, Digital Marketing Analyst, Accenture, Greater Nuremberg Metropolitan Area, delivered a talk on Higher Studies in Germany.
Alumni Talk	January 09, 2024	Mr. Badri Patel, Executive, Jhonson, Controls, Canada delivered a talk on “Current trends and future opportunities in the field of HVAC” to B. Tech. Mechanical Engineering Sem-VI students.
Alumni Talk /Interaction	January 16, 2024	Ms. Payal Patel, Project Manager, Alberta Health Services, USA visited the campus and interacted with the students of Semester V and VII.
Alumni Talk	March 21, 2024	Mr Viraj Gajera, Research Associate at Project-NASA, New York, USA delivered a talk on Higher study and research opportunities in USA.

**Institute  
of  
Management**

## **Institute of Management**

### **INDEX**

<b>Sr. No</b>	<b>Particulars</b>	<b>Page</b>
<b>1</b>	<b>Outstanding Achievements and Important Activities</b>	<b>111 – 115</b>
<b>2</b>	<b>Curricular Aspects</b>	<b>115 – 116</b>
<b>3</b>	<b>Teaching-Learning and Evaluation</b>	<b>116 – 124</b>
<b>4</b>	<b>Research, Consultancy and Extension</b>	<b>124 – 134</b>
<b>5</b>	<b>Infrastructure and Learning Resources</b>	<b>134 – 134</b>
<b>6</b>	<b>Student Support and Progression</b>	<b>135 – 143</b>



### Outstanding Achievements and Important Activities

#### Achievement

**NBA Accreditation:** The Master of Business Administration program at the Institute of Management is accredited by the National Board of Accreditation (NBA) for the period of three years from Academic Year December 2022-23 to Academic Year 2024-25.

**SAQS Accreditation:** The Institute of Management, Nirma University, was reaccredited by the SAQS peer team on December 2, 2023. SAQS has awarded the Institute of Management, Nirma University, reaccreditation for a period of five years, from December 2, 2023, to December 2, 2028.

The MBA, MBA (Family Business and Entrepreneurship), MBA (Human Resource Management), Integrated 5-year B.Tech (CSE)-MBA, Integrated BBA-MBA, Doctor of Philosophy (Full-Time and Part-Time), Executive Diploma Programme, and Management Development Programme were all included in the SAQS accreditation. SAQS is an international system of strategic audit and accreditation designed for the assessment of schools in widely different national contexts. SAQS was launched in 2003 by AMDISA and was developed through close cooperation with existing international accreditation bodies in the field of management education. AMDISA (Association of Management Development Institutions in South Asia) was established in 1989 and is a network of Management Education and Management Development Institutions.

**AACSB Membership:** The Institute of Management, Nirma University, is a member of the AACSB Business Education Alliance from June 2023 onwards, connecting it to the largest global business education network. The membership is renewed for the period from July 2024, to June 2025.

#### Institute of Management Sets Record with High Placement Package

In a remarkable achievement, the Institute of Management at Nirma University has recorded its highest-ever placement package with International Placement. Ms. Sakshi Pareek (Roll No 228131), a student of the MBA (HRM) programme, secured an impressive offer of ₹70.95 lakhs per annum from M/s Balmer Lawrie UAE LLC as Management Trainee – HR, during the campus placement drive in January 2024. She will get exposure in Balmer Lawrie UAE LLC manufacturing units within the UAE.

#### Institute Ranking

- Ranked at 61<sup>st</sup> position in the National Institutional Ranking Framework (NIRF) ranking 2023.
- Ranked 25th Best B-School Pan India and 13th among Top Private B-Schools in India by Businessworld, 2023
- Ranked 27th Best B-School overall and 16th among Top Private B-Schools in India by The Week, 2023
- Ranked 36th Best B-School overall and 20th Best in selection process and 27th Best in living experience by Business Today, 2023
- Ranked 8<sup>th</sup> Best Private B-School in the West Zone by India Today, 2023

#### Faculty Awards and Achievements

1. Prof. Pradeep Kautish received Emerald Awards 2023 Lierati (Outstanding Paper Award) for the paper on “The impact of eco-innovation on green buying behaviour: the moderating effect

of emotional loyalty and generation” published in Management of Environmental Quality on 22<sup>nd</sup> July, 2023.

2. Prof. Tripura Joshi and Prof. Punit Saurabh received the Best Track Paper award at the CESTour Conference held at BIMTECH- Greater Noida, New Delhi for the paper titled "Customer Engagement Dimensions as drivers of brand love for sustainable tourism in India" from February 6 to 7, 2024.
3. Prof. Rasmita Nayak, Prof. B.K Sahoo & Prof. M.K Mahalik received the Best Paper award at the CESTour Conference held at BIMTECH- Greater Noida, New Delhi for the paper titled "COVID-19 and the Determinants of the Domestic Tourism Spending in India" from February 6 to 7, 2024
4. Prof. Sanjay Jain & Prof. Jayesh Aagja received the Best Track Paper award at 'Intertwining Sustainability with Mission Life: Fashion, Entrepreneurship and Cultural Integration in Harmony' International Conference. at NIFT, Gandhinagar, 14<sup>th</sup> March, 2024.
5. Prof. Bhajan Lal, Prof. Pratham Parekh, Prof. G. Haritha received best presenters under the track "Diversity, equity and inclusion through Human Resource Management", 15-16 September, 2023.
6. Prof. Bhajan Lal, received best paper award in HR track "Design Thinking and Innovation for Sustainable Management Practices and Solutions", 8-9 December, 2023.
7. Prof. Poonam Chhaniwal won National Case Research Competition, organized by K.J. Somaiya Institute of Management, 31 August, 2023.
8. Prof. Pratham Parekh received 2<sup>nd</sup> Best Paper Award for the paper titled, “Assessing Gujarat Sustainable Development: A Comprehensive Analysis of the SDG India Index” at Institute of Management & Technology, Faridabad, on 22<sup>nd</sup> April, 2023.
9. Prof. Nityesh Bhatt was one of the co-authors for an edited book 'Information Systems for Intelligent Systems' (ISBN 978-981-99-8612-5) published by Springer, Singapore in March 2024.
10. Prof. Nina Muncherji appointed Member Board of Studies at TransStadia University, Ahmedabad -31<sup>st</sup> March, 2024
11. Prof. Sapna Parashar appointed Member Board of Studies of JK LakshmiPat University, 30 June, 2023.

## **Events Organised**

### **Conferences**

#### **NICOM-2023-24**

The 27<sup>th</sup> Nirma International Conference on Management (NICOM 2024) was organized from 4<sup>th</sup> to 6<sup>th</sup> January, 2024 by Institute of Management. The central theme of this year’s conference was “Business in Uncertain Times: Strategies and Capabilities to Manage Disruption and Growth”. The Conference had academicians and practitioners from India and abroad, presenting their research on more than 50 sub themes like Financial Crisis, Financial Literacy and AI, Sustainable Investment, Neuro-Marketing Strategies within Disruption, Industry Responses to Global Uncertainty, Business in Uncertain Times, Navigating Business in the Uncertain Times etc., to name a few.

Padma Shri Dr. Karsanbhai K. Patel, President, Nirma University presided over the inaugural function. Shri K K Patel, Vice-President, Nirma University, Dr. Anup Singh, Director General – Nirma University, Shri G R Nair, Executive Registrar, Nirma University, Dr. Ashwini Awasthi, Director and Dean – Institute of Management, Nirma University were also present in the inaugural ceremony of the conference. The inaugural address was delivered by the Chief Guest Shri Ramesh G Iyer, Vice Chairman & Managing Director, Mahindra Finance. Shri Adika Ratna Sekhar, Chairman & Managing Director, Balmer Lawrie & Co. Ltd was the Guest of Honor at the inaugural ceremony. A book of abstract “Prastavana” was also released during the inaugural ceremony.

Post inaugural, two conference workshops were organized on “Publishing in Academic Journals: Handling Reviews and Revisions” by Prof. Gordhan K. Saini, Tata Institute of Social Sciences, Mumbai; and “Navigating the Pathways of Publishing in High-quality Journals using Scopus” by Dr. Vinita Saroha - Consultant, Core Content - Elsevier. This was followed by keynote addresses by Mr. Manish Bhatt, Founder Director, Scarecrow Communications Ltd on “Marketing Strategies in Uncertain Times”, Dr. Nikhil Agarwal, CEO - SIIC and AIIDE, IIT Kanpur on “Nurturing Innovation and Growth for Startups Amidst Disruption”, and Dr. Nisha Pandey, Director- Gujarat Institute of Development Research, Ahmedabad on “Social Innovation and Technopreneurship”. Mr M Anna Durai, Executive Director & State Head, Gujarat State Office, Indian Oil Corporation Limited was the Chief Guest for the Valedictory Ceremony.

### **ANVESH 2023-24: Doctoral Research Conference in Management**

19<sup>th</sup> Doctoral Conference in Management (ANVESH) was organized on March 15<sup>th</sup> and 16<sup>th</sup>, 2024 by the Institute of Management. The central theme of this year’s conference was “Synergizing Academia and Industry in Management Research for the Modern Era”. In addition to the inauguration and valedictory sessions, there were three plenary sessions covering a variety of sub-themes, elaborating the main theme of the Conference. The 55 abstracts and 25 full papers received for the conference were reviewed by independent review teams and were presented in 8 tracks in two days.

The chief guest for the inaugural session was Dr. Sunil Shukla, Director General, Entrepreneurship Development Institute of India (EDII). Dr. Anup. K. Singh, Director General, Nirma University graced the occasion and shared his thoughts on the role of HRM in improving organizational effectiveness. Dr. Ashwini Awasthi, Director and Dean, IMNU delivered the welcome address for the conference. “Aamukh” the Book of Abstracts was released during the inaugural function. The Chief Guest of valedictory function was Dr. Umakant Dash, Director of the Institute of Rural Management, Anand (IRMA).

### **Pratidhwani - The Alumni Conclave 2023**

The 11th Annual Alumni Conclave was organized on 22nd December 2023. The theme for the conclave was 'Geonomy: The Intersection of Power & Prosperity'! Some of the prominent speakers included, Mr. Rohit Swarup, Founder & Director, Xplora Design Skool; Mr. Romil Shah, Director-Auto Arena & Carzspa; Ms. Shreya Biswas, Principal Consultant -Gartner, Delhi; Mr. Devanshu Bhatia, AGM - Strategic Resourcing -Adani Ports & SEZ; and Ms. Ratna Joshi, Head HR – Commercial, TATA Motors. A panel discussion was also conducted on the same day with eminent speakers such as Mr. Harry Jose, MMS, Head of Marketing; Ms. Akansha Gandotra, Commonwealth Bank of Australia, India; and Ms. Esha Nagar, Pegboard, Founder & CEO. The latest issue of ‘Al-Inc’ the annual alumni magazine was also launched to mark the event.

### **UTKRISHTA 2023 –The Management Conclave**

Institute of Management organized a management conclave “Utkrishta2023” on 20<sup>th</sup>& 21<sup>st</sup> October, 2023 on the theme “Integrating Environmental, Social, and Governance (ESG) Factors: The Pathway to Sustainable and Responsible Future”. The chief guest for the inaugural session was Ms. Preeta Misra, Senior Director -Credibility & Business Insights Group, at Dun & Bradstreet India, and the Guest of Honor was Mr. James Buchanan, CEO and President of Buchanan Technologies. Speakers included Mr. Tripathy Ashis, General Manager (Lubes) at Indian Oil Corporation Limited; Mr. Sanjay Desai, Managing Director of RBD Engineers Pvt. Ltd; Mr. Manojkumar Shah, Head ESG & Sustainability, Azure Power; Mr. Shridhar Ayyar, SVP-HR, Nuvoco Vistas Corp. Ltd; Mr. Atulaya Goswami, HR Director, General Mills; Mr. Yashowardhan Sowale, VP Architecture, Capgemini; among others. The event saw its closing, with the Valedictory Address by Mr. Vinay Shukla, Director-Deloitte.

## AROHAN 2024, the BBA Conclave

Arohan - The BBA Conclave was conducted on 19th and 20th of January, 2024. Speakers from diverse walks of life including corporate experts, entrepreneurs, journalists, etc. were invited to share their life experiences and speak on the theme for this year, “The Exceptional Journey towards Innovation, Insight and Ingenuity.” The Inaugural session was conducted by Ms. Aditi Singha, VP of Government Affairs, ONDC, followed by Ms. Vranda Rathi, founder of Vranda Arts; Mr. Rahul Lodhe, Senior Director, SAP AI; Mr. Anand Toshniwal, BCG CEO Ambassador; Mr. Harjeet Khanduja, Senior VP, Reliance Jio HR; and Mr. Shawrya Mehrotra, founder of Metvy, among others.

The valedictory session was delivered by renowned journalist and content writer, Ms. Janvi Sonaiya.

### International Dignitaries visited

Sr. No.	Name of the Dignitary	Designation and Organisation	Purpose	Date
1	Mr. James Buchanan	CEO and president of Buchanan Technologies	Inaugural Session: "Utkrishta 2023" - The Management Conclave	October 20, 2023
2	Prof. Saurabh Gupta	Executive Director, Programme and Professor – Information Systems, Kennesaw State University, USA	To deliver technology management and research sessions to the MBA & PhD students and faculty members.	December 15 to 20, 2023

### National Dignitaries visited during the year 2023-24:

Sr. No.	Name of the Dignitary	Designation and Organisation	Purpose	Date
1.	Ms. Preeta Misra	Senior Director - Credibility & Business Insights Group, at Dun & Bradstreet India	Inaugural Session: "UTKRISHTA 2023"	October 20, 2023
2.	Mr. Tripathy Ashis	General Manager (Lubes) Indian Oil Corporation	Speaker for "UTKRISHTA 2023"	October 20, 2023
3.	Mr. Sanjay Desai	Managing Director - RBD Engineers Pvt. Ltd	Speaker for "UTKRISHTA 2023"	October 20, 2023
4.	Mr. Manojkumar Shah	Head ESG & Sustainability, Azure Power	Speaker for "UTKRISHTA 2023"	October 21, 2023
5.	Mr. Shridhar Ayyar	SVP-HR, Nuvoco Vistas Corp. Ltd	Speaker for "UTKRISHTA 2023"	October 21, 2023
6.	Mr Atulaya Goswami	HR Director at General Mills	Speaker for "UTKRISHTA 2023"	October 21, 2023
7.	Mr Yashowardhan Sowale	VP Architecture, Enterprise Architecture Head, Capgemini	Speaker for "UTKRISHTA 2023"	October 21, 2023
8.	Mr. Anand Bhatnagar	Self Employed and Ex Vice President, Reliance Ind. Ltd.	Speaker for "UTKRISHTA 2023"	October 21, 2023
9.	Mr Vinay Shukla	Director of Deloitte	Valedictory Session: "UTKRISHTA 2023"	October 21, 2023
10.	Dr. Tanu Jain	IAS Officer	Nirma Tatva-PR10	February 23, 2024
11.	Ms. Rachna Mehra	CHRO – Arvind Limited	Seminar on 'Women in Leadership Roles'	December 30, 2023
12.	Ms. Gauri Das	SVP and Head HR - India Factoring and Finance Solutions Pvt Ltd	Seminar on 'Women in Leadership Roles'	December 31, 2023

13.	Ms. Lopamudra Banerjee	Head - Human Resource - Carrier Midea India Private Limited	Seminar on 'Women in Leadership Roles'	January 1, 2024
14.	Dr. Runa Maitra	Founder and Director of People Talent International.	Seminar on 'Women in Leadership Roles'	January 2, 2024
15.	Ms. Jayanthi J	CHRO in K&S Partners	Seminar on 'Women in Leadership Roles'	January 3, 2024
16.	Ms. Shenaz Gandhi	General Manger – Human Resources, Johnson Controls-Hitachi Air Conditioning India Ltd.	Seminar on 'Women in Leadership Roles'	January 4, 2024
17.	Ms. Veena Kamat	Industry Relations - SBI	Seminar on 'Women in Leadership Roles'	January 5, 2024
18.	Mr. Parag Bhatt	Head of HR - Zydus Hospital	Seminar on 'Women in Leadership Roles'	January 6, 2024
19.	Dr. Sunil Shukla	Director General, Entrepreneurship Development Institute of India (EDII)	Inaugural Session: "ANVESH 2024"	March 15-16, 2024
20.	Dr. Umakant Dash	Director, Institute of Rural Management, Anand (IRMA)	Valedictory Session: "ANVESH 2024"	March 15-16, 2024
21.	Mr. Rajeev Dubey	Chairman - Mahindra First Choice Wheels Limited	Inaugural address for MBA and MBA Phase of Integrated B.Tech (CSE) – MBA induction programme	June 26, 2023.
22.	Mr. Sudhir Mishra	Associate Vice-President, Talent Acquisition, Infosys, Bangalore	Inaugural address for MBA (HRM) and MBA Phase of Integrated BBA – MBA Induction Programme	June 26, 2023.
23.	Mr. Parag Desai	Executive Director, Wagh Bakri Tea Group	Inaugural address for MBA (Family Business and Entrepreneurship) Induction Programme	June 26, 2023.

## I CURRICULAR ASPECTS

Introduction of following new courses in MBA, MBA phase of Integrated B. Tech (CSE) MBA, MBA phase of Integrated BBA-MBA, MBA (FB & E), MBA (HRM) to be effective from A. Y. 2024-25

Name of Courses Introduced	Name of Programmes
International Finance for Family Business	MBA (FB & E)
Business Simulation	MBA(HRM)
Digital Product Management	MBA, MBA phase of Integrated B. Tech (CSE) MBA, MBA Phase of Integrated BBA-MBA, MBA (FB & E)
Marketing Analytics	
AI-powered Marketing	
Pricing Strategies	
ESG for Competitive Strategies	

Revision of following course offered in MBA, MBA phase of Integrated B. Tech (CSE) MBA, MBA phase of Integrated BBA-MBA, MBA (FB & E), MBA (HRM) to be effective from A. Y. 2024-25

Name of Course Revised	Name of Programmes
Business Communications (Core Courses)	MBA, MBA phase of Integrated B. Tech (CSE) MBA, MBA(HRM)
Organizational Behaviour (Core Courses)	MBA, MBA phase of Integrated B. Tech (CSE) MBA
Global Management	MBA,
International Market Research	

Bank Management	MBA phase of Integrated B Tech (CSE) MBA,
Valuation	
Data Visualization and Process Simulation / New name: Data Visualization and Visual Storytelling	MBA Phase of Integrated BBA-MBA
International Trade	MBA, MBA phase of Integrated B. Tech (CSE) MBA, MBA Phase of Integrated BBA-MBA, MBA (FB & E)
Export Import Management	
Investment and Portfolio Management	

Replacement of operation management prerequisite elective in Term I of MBA Phase of Integrated BBA-MBA with elective courses and change in TES accordingly to be effective from A. Y. 2024-25.

Lean Six Sigma (7MP206) to Statistical Technique in Quality Control (7MP212).

Supply Chain Management (7MP213) to Operations Management in Services and Distribution (7MP208).

Introduction of Syllabi of various courses of Semester III and Semester IV of BBA Phase of Integrated BBA-MBA programme to be effective for batch 2022-25.

Revision in Teaching and Examination Scheme of semester I to VI of integrated BBA-MBA programme to be made effective from academic year 2023-24.

1. The course “Health, Wellness and Yoga” of semester II to be offered as a value-added course.
2. The course Statistics to be shifted from Semester III to Semester II.
3. Introduction of new course “Data Analysis through spread sheet” in semester III in place of course “Statistics.”

Revision of Teaching and Examination Scheme and syllabus of value-added Noncredit course “Yoga” to be offered in Sem I/ II in all UG programs run under university and to be made effective for the students admitted from academic year 2023-24 onwards.

## II TEACHING-LEARNING AND EVALUATION

### Number of Faculty Development Programmes availed by faculty

Faculty Development Programmes organized by the Institute of Management:

Name of FDP Organised	From	To	Organization	No. of faculty members participated
Faculty Development Programme on 'Advanced Research Methods & Data Analysis'	12th June, 2023	24th June, 2023	Institute of Management	15 faculty from IMNU & 1 from ICNU
Workshop on Research Methodology and Ethics: Plagiarism Issues, Reference Management Tools and Altmetrics	7 February, 2024	7 February, 2024	Information and Library Network Centre, Gandhinagar	Prof. Jayesh Aagja

### Interdisciplinary Student Projects, live projects undertaken by the students

In addition to the summer internship projects, students also undertook live projects. The institute encourages students to undertake such projects and provides a conducive environment for the same. These projects expose students to the current problems faced by business organization and seek solutions for the same.

The list of live projects done by MBA students during year 2023-24 are as under

Sr. No.	Live Projects	Number of students intern	Project Title
1	Seva Satkar	22	Fund Raising
2	Digimaya	6	Social Media Community Growth
3	Med Tour easy	35	Finance, HR, Marketing, Data Analytics
4	Skilled Sapiens	28	Finance, Hr, Marketing
5	Brands.Live	12	Digital Marketing
6	Insuarancepadosi	3	Finance, Marketing
7	Mozo Hunt	30	Finance, HR & Marketing
8	Finnovate Financial Services	2	Finance, Marketing
9	Revisol	3	Market Competitor Analysis
10	Bragsocial	5	Social Media Marketing
11	Shivazza Sundaram	3	Market Research

### Invited International Guest Lectures

S. No.	Date	Topic of the lecture	Name of the Guest	Name of Organization	Designation
1	19 March, 2024	Port Infrastructure and Economic Development - An African Perspective	Mr. Ajay Saraswat	Cascade Group	Business Head, Tanzania, Africa
2	27 October, 2023	Online session East Asia, Asian and Indo Pacific Strategy	Dr. Don Mclain Gill	De La Salle University, Philippines	Director-Philippines Middle East Studies Association (PMESA), DLSU-Philippines
3	4 October, 2023	Online session on QUAD and India Japan Containment of Chinese Expansionism	Dr Sataro Nagao	Hudson Institute-USA	Director - International Security Industry Council, fellow of Hudson Institute and Faculty-Gakushuin University-Japan

### Invited Guest Lectures in Various Courses / Conclaves & Conferences

Sr. No.	Date	Name of the Guest	Designation	Name of organization
1.	18-Jul-23	Mr. Snajay Chakraborty	Founder, & Chief Marketing Advisor	Essksee Consultancy
2.	27-Jul-23	Mr. Nirav Shah	MD	Foilage Real Estate

3.	28-Jul-23	Mr. Anand Mirani	SBM	Simplus Exim & Corporate Advisory Llp
4.	28-Jul-23	Mr. Nishant Kolgaonkar	Group CHRO	Keva Group
5.	29-Jul-23	Mr. Sharad Kumar	Zonal Head	State Bank of India
6.	03-Aug-23	Mr. Vatsal Dixit	MD	Metwell Pharma
7.	05-Aug-23	Mr Sudeep Singh	Head HR	Hester Biosciences Ltd
8.	07-Aug-23	Mr. Shorjoe Bhattacharya	Founder	Charyas
9.	08-Aug-23	Mr. Ateet Bajaj	Bud. Dev.	Bajaj Export
10.	09-Aug-23	Mr. Nisarg Nenuji	Legal Counsellor	Intas Pharma
11.	10-Aug-23	Ms. Shruti Andhrutkar Antoorkar	MD	Fitcast Founders & Engineers Pvt Ltd.
12.	10-Aug-23	Mr. Rajesh Ohol	Dy VP	Johnson Controls Hitachi
13.	19-Aug-23	Mr. Namrata Makhija	Buying Manager Beauty	Metro Cash And Carry India
14.	21-Aug-23	Mr. N Sharan	Senior Vise President	Tata Sons Pvt. Ltd
15.	23-Aug-23	Mr. Parth Joshi	Program Manager	Tech Mahindra Ltd.
16.	24-Aug-23	Mr. Harsh Shah	MD	Embee Group
17.	25-Aug-23	Mr. Nilanjan Bhowmick	Lead-US Strategy	HyLyt View
18.	25-Aug-23	Mr Niraj Mulani	Director of Marketing	Product IOX Marketing
19.	26-Aug-23	Mr. Ashok Panchal	Head-Performance	Alstom Transport
20.	28-Aug-23	Dr. Prasanna Chandra	Director	Centre For Financial Management
21.	29 and 31 Aug, 2023	Mr. Abhimanyu Singh	Co-Founder	Flhexible
22.	31-Aug-23	Mr. Ershad Syed	Management Consultant	Innova Corp
23.	02-Sep-23	Mr. Hotchand Maheshwari	General Manager	V World Wide Group India
24.	02-Sep-23	Mr. Sanjay Verma	VP -HRM	Johnson Controls Hitachi
25.	03 and 05 Sept, 2023	Mr. Bibhas Mondal	Sr. Consultant	Gognizant
26.	05-Sep-23	Ms. Devangi Raval Mehta	Export Manager	Agrisea Global Trade Pvt Ltd.
27.	05-Sep-23	Mr. Rohit Ashok	Director	E Servo
28.	06-Sep-23	Dr. Samveg Patel	Asso. Prof.	Nmims, Mumbai
29.	06-Sep-23	Mr. Manish Singh	Head of Growth	Pay OPT
30.	06-Sep-23	Mr. Rahul Thapar	Organizational Development Head	Equis Capital
31.	08-Sep-23	Mr. Ashish Makwana	Vice President	Vodafone
32.	09-Sep-23	Ms. Vibhuti Bhatt	Director	One Advertising & Communication Services Ltd.
33.	13-Sep-23	Mr. Saleel Bhatt	Co Founder	Sci Know Tech



34.	13-Sep-23	Mr. Surya Kumar Sharma	Strategic Consultant	Gelco Electronics Pvt Ltd
35.	14-Sep-23	Ms. Labdhi Shah	CA	Bishan R Shah & Co.
36.	06-Oct-23	Dr. L Ramaswamy	MD	Sotax India Pvt. Ltd
37.	07-Oct-23	Ms. Deepali Soni	HR Business Partner	Zydus Cadila
38.	09-Oct-23	Mr. Nishank Shah	Founder	Duro Green Waste Management Pvt Ltd.
39.	13-Oct-23	Mr. Karan Dangayach	Director	Accura Tradelink Pvt Ltd
40.	16-Oct-23	Mr. Niraj Mulani	START UP ADVISOR	Venture Capital & Private Equity
41.	16-Oct-23	Mr. Syed Jafri	Founder & Chief Mentor	Hearty Mart
42.	19-Oct-23	Mr. Sanjeev Sharan	AGM	SBI
43.	23-Oct-23	Mr. Anand Narayanan	DGM-Supply Chain Management	Tata Passenger Electric Mobility Limited
44.	27-Oct-23	Mr. Jagdish Narayanan	Vice President	Barclays Technology Center
45.	27-Oct-23	Dr Don Maclain Gill	Director-Philippines Middle East Studies Association (PMESA) DLSU	De La Salle University, Philippines
46.	28-Oct-23	Mr Anil Trigunayat	Chairman & Ambassador Rtn. (IFS -Reetd)	Confederation of Education Excellence
47.	03-Nov-23	Mr. Ranganathan	Retired Executive Vice President, Head-Weapon & Engineering Systems & Corporate Defense IC	L&T Defense IC Board
48.	06-Nov-23	Mr. Jvalant Pathak	DGM HR	Shalby Hospital
49.	07-Nov-23	Ms. Ruma Bhateja	Co-Founder	Knowledgetics Pvt Ltd
50.	09-Nov-23	Mr. Kashyap Patel	Promoter	H K Software
51.	29-Nov-23	Ms Ruchi Pincha	Infosys LTD	Principal Consultant
52.	04-Dec-23	Mr. Sameer Aasht	Founder Director	Alma Mater B12 Solutions
53.	08-Dec-23	Mr. Praveen Kumar	Dy President HR	Kalpataru Power Transmission Ltd.
54.	11and 18 Dec, 2023	Mr. Ershad Ali Syed	Management Consultant	Innova Corp
55.	11-Dec-23	Mr. Sanjay Chakraborty	Founder Chief Mktg Communication	Esskee Consultancy
56.	13-Dec-23	Mr. Perseus Udachia	Founder	Super Resources Academy LLP
57.	13-Dec-23	Ms Namrata Makhija	Buying Manager	Metro Cash and Carry
58.	13-Dec-23	Mr Ashok Abraham	Media Head	Publicity Parlour

59.	13-Dec-23	Mr. Mohit Moradiya	VP	Kotak Mahindra Bank
60.	14-Dec-23	Mr. Chirag Rathod	Project Manager	Centre For Ent Development
61.	15-Dec-23	Mr. Abhinav Johri	Partner	Partner, EY
62.	15-Dec-23	Mr. Deval Patel	Founder & MD	D&C Developers
63.	16-Dec-23	Ms. Kruti Modi Shah	Entrepreneurs	Brand Identify Designer
64.	16-Dec-23	Ms. Neha Mehta	Associate Director	Super Procure
65.	16-Dec-23	Ms Vandana Rawat	Manager	RBI
66.	16-Dec-23	Mr Ankit Gupta	Asst. Manager	RBI
67.	16-Dec-23	Mr Pankaj Saran	IFS (Retd), Former Deputy National Security Advisor (PMO), Fmr Amb on India to Russia, B'Desh	GOI
68.	18-Dec-23	Mr. Roboi Biswas	AVP	Silver Touch Tech. Ltd.
69.	19-Dec-23	Mr. Rohit Sharma	Founder & Director	Acme Uk Inc. Ltd.
70.	21-Dec-23	Mr. Anand Misra	General Manager	Ford Motor Company
71.	21-Dec-23	Mr. Babu Thomas	Group CHRO	Shalby Ltd
72.	22-Dec-23	Ms. Preety Chouhan	Implementation Consultant	Odoo
73.	27-Dec-23	Mr. Ketan Parikh	CIO	Kalpataru Power Transmission Ltd.
74.	28-Dec-23	Mr. Baldev Bhatt	Certified Tableau Trainer	Freelancer
75.	29-Dec-23	Mr. Sanjiv Menon	Partner	Deloitte
76.	30-Dec-23	Mr. Sanjay Agrawal	Security Advisor	GOI
77.	30-Dec-23	Mr. Aveek Sengupta	Cluster General Manager	Taj Hotels, Resort & Palaces
78.	01-Jan-24	Shree C S Anand	Vice Chairman and Board Member	Inches Healthcare, Mumbai
79.	01-Jan-24	Mr. C S Anand	Vice Chairman and Group CEO	Inches Labs
80.	02-Jan-24	Mr. DhrumilNagori	Entrepreneurs	Timber & Plywood
81.	04-Jan-24	Mr. Robinder Sachdev	President	The Imagindia Institute
82.	03-Feb-24	Ms. Teena Jobaliya	HRD Manager	Unified Global Tech Pvt Ltd
83.	07-Feb-24	Mr. Jigar Pandya	Managing Director	Prame Sourcing Pvt. Ltd.
84.	07-Feb-24	Mr. Sandeep Sabharwal	Director & Co Founder	Sanjeevan Life Pvt Ltd
85.	13-Feb-24	Mr. Chand Vishwakarma	Founder	Professional Consultant/Founder-All Things Connected. Singapore
86.	13-Feb-24	Ms. Sudipta Roy	Director	Psylens Center Surat
87.	22-Feb-24	Mr. Ajit Patel	Founder	Bizlead.in
88.	22-Feb-24	Mr. Ankush Gupta	Talent Consultant	EY

89.	23-Feb-24	Mr. Anurag Seksaria	Managing Director	Anurag Seksaria Management Consulting
90.	26-Feb-24	Ms. Pooja Dawra	Director	TPC Leadership
91.	29-Feb-24	Mr. Prashant Chandrashekharan	Co-Founder	ValetEZ and ChargeEZ
92.	05-Mar-24	Mr. Manish Ramtri	CEO	Savvy Wealth
93.	06-Mar-24	Mr. Chirag Dhebar	Delivery Center Head- Retail UK & India	Tata Consultancy Services
94.	12-Mar-24	Mr. Satvik Trivedi	Gen Manager	Kalpataru Projects International Ltd.
95.	13-Mar-24	Mr. Ketan Doshi	Founder	North Star KD
96.	15-Mar-24	Mr. Mehul Damani	Partner Ecosystem Relations Enabler	High Radius
97.	16-Mar-24	Mr Sanjay Kumar Verma	Senior VP HR	Johnson Controls Hitachi
98.	18-Mar-24	Mr Ayyappan Nair & Ms. Devpriya	GM Financial, AGM Financial, Stability Department,	RBI
99.	19-Mar-24	Mr. Ajay Kumar Saraswat	Business Head	Cascade Group
100.	20-Mar-24	Mr. Chandresh Lodhiya	CEO	Ananla
101.	21-Mar-24	Mr. Jeet Parekh	Founder & CSO	Act Digital
102.	26-Mar-24	Mr. Sandyp Bhattacharya	TBO.COM	HR Advisor
103.	29-Mar-24	Mr. Guru Iyer	CEO	GNF International
104.	29-Mar-24	Mr. Vikaram Gupta	Head	Triveni turbine Limited
105.	29-Mar-24	Mr. Brigadier Sanjay Agarwal	Professor, Soft Skills Master Trainer, Self-Development Coach	SRM IST NCR Campus, FMS
106.	26-Jun-23	Mr. Rajeev Dubey	Chairman	Mahindra First Choice Wheels Limited,
107.	26-Jun-23	Mr. Sudhir Mishra	Associate Vice-President	Talent Acquisition, Infosys, Bangalore
108.	26-Jun-23	Mr. Parag Desai	Executive Director	Wagh Bakri Tea Group
109.	20-Oct-23	Ms. Preeta Misra	Senior Director	Credibility & Business Insights Group, at Dun & Bradstreet India
110.	20-Oct-23	Mr. Tripathy Ashis	General Manager (Lubes)	Indian Oil Corporation
111.	20-Oct-23	Mr. James Buchanan	CEO and president	Buchanan Technologies
112.	21-Oct-23	Mr. Manojkumar Shah	Head ESG & Sustainability	Azure Power
113.	21-Oct-23	Mr. Shridhar Ayyar	SVP-HR	Nuvoco Vistas Corp. Ltd

114.	21-Oct-23	Mr. Atulaya Goswami	HR Director	General Mills
115.	21-Oct-23	Mr. Yashowardhan Sowale	VP Architecture	Enterprise Architecture Head, Capgemini
116.	21-Oct-23	Mr. Anand Bhatnagar	Self Employed	Self Employed
117.	21-Oct-23	Mr Vinay Shukla	Director	Deloitte
118.	8-Dec-23	Mr. Atul Chaturvedi	Executive Chairman	Shree Renuka Sugars
119.	8-Dec-23	Mr. Amit Saluja	Senior Director	NASSCOM
120.	15-Dec-23	Prof. Saurabh Gupta	Executive Director- PhD in Business Administration Programme and Professor	Information Systems, Kennesaw State University, USA
121.	22-Dec-23	Mr. Romil Shah	Director	Auto Arena& Carzspa Isanpur
122.	22-Dec-23	Ms. Shreya Biswas	Principal Consultant	Gartner, Delhi
123.	22-Dec-23	Mr. Devanshu Bhatia	AGM - Strategic Resourcing	Adani Ports & SEZ
124.	22-Dec-23	Mr. Harry Jose	Head of Marketing	MMS
125.	22-Dec-23	Ms. Akansha Gandotra	Global Marketing Professional - Employer Marketing & Recruitment Branding	Commonwealth Bank of Australia, India
126.	22-Dec-23	Ms. Ratna Joshi	Head HR - Commercial	TATA Motors
127.	30-Dec-23	Ms. Rachna Mehra	CHRO	Arvind Limited
128.	31-Dec-23	Ms. Gauri Das	SVP and Head HR	India Factoring and Finance Solutions Pvt Ltd
129.	01-Jan-24	Ms. Lopamudra Banerjee	Head - Human Resource	Carrier Midea India Private Limited
130.	02-Jan-24	Dr. Runa Maitra	Founder and Director	People Talent International.
131.	03-Jan-24	Ms. Jayanthi J	CHRO	K&S Partners
132.	04-Jan-24	Ms. Shenaz Gandhi	General Manger – Human Resources	Johnson Controls-Hitachi Air Conditioning India Ltd.,
133.	04-Jan-24	Mr. Ramesh G Iyer	Vice Chairman & Managing Director	Mahindra Finance
134.	04-Jan-24	Mr. Adika Ratna Sekhar	Chairman & Managing Director	Balmer Lawrie & Co. Ltd
135.	05-Jan-24	Mr Manish Bhatt	Founder Director	Scarecrow Communications Ltd.
136.	05-Jan-24	Dr. Nikhil Agarwal	Chief Executive Officer	IIT Kanpur FIRST & C3iHub
137.	06-Jan-24	Mr. Parag Bhatt	Head of HR	Zydus Hospital

138.	06-Jan-24	Dr. Nisha Pandey	Director	Gujarat Institute of Development Research
139.	06-Jan-24	Mr Anna Durai	Executive Director & State Head - Gujarat State Office	Indian Oil Corporation Limited
140.	23-Feb-24	Dr. Tanu Jain	IAS Officer	Govt. of India
141.	15-Mar-24	Dr. Sunil Shukla	Director General	Entrepreneurship Development Institute of India (EDII)
142.	16-Mar-24	Dr. Umakant Dash	Director General	Institute of Rural Management, Anand (IRMA)
143.	16-Mar-24	Dr. Randolph Seng	Professor of Management, Editor-in-Chief, Management Decisions	Texas A&M University-Commerce, USA

### Non-Teaching Staff Development

Following non-teaching staff members attended the following events:

S. No.	Name	Date	Event attended
1	Dr. Indranil Banreji	11-Apr-23 to 12-Apr-23	AIMA's 8 <sup>th</sup> National Leadership Conclave "Mission 2047: India's tryst with a new destiny" and 13 <sup>th</sup> Managing India Awards at AIMA
2	Lt. Sima Kapadiya	11-Apr-23	Conference for ANO at NCC Group Headquarter Law Garden, Ahmedabad
3	Dr. Monita K Shastri	18-Jul-23 to 20-Jul-23	Elsevier Better Together Forum 2023 at Elsevier, Jaipur, India
4	Dr. Monita K Shastri	04-Aug-23	IEEE-EBSCO Knowledge Feast 2023-Ahmedabad at Vivanta, SG Highway, Ahmedabad
5	Dr. Monita K Shastri, Ms. Pragna B. Prajapati, Mr. Rakesh Trivedi	12-Aug-23	Librarian's Day Seminar on the "Open Access Resources in Libraries & Their Impact on Education" at INFLIBNET Centre, Infocity, Gandhinagar
6	Ms. Pragna B. Prajapati	12-Oct-23 to 17-Oct-23	Online Five Days Workshop on "Data Carpentry for Library Professionals: Practical Skills for the Digital Age" from Workplace organised by CVM University
7	Dr. Monita Shastri	12-Oct-23 to 17-Oct-23	Online Five Days Workshop on "Data Carpentry for Library Professionals: Practical Skills for the Digital Age" from Workplace organised by CVM University
8	Dr. Monita K Shastri	26-Oct-23 to 28-Oct-23	26 <sup>th</sup> International Symposium on "Electronic Theses and Dissertations ETD 2023, Gujarat, India" at ND LTD & ETD Hosted by INFLIBNET Centre, Gandhinagar (2 days) & Sardar Sarovar Dam, Statue of Unity, Kevadia, Gujarat, India (1 day)

9	Dr. Indranil Banreji	12-Oct-23	Future of Work Conference 2023 –“Future of Work, Talent, Teams and Technology by People Labs Pvt. Ltd at Hotel The St. Regis, Mumbai
10	Mr. Chirag Bhatt	29-Nov-23 01-Dec-23	Advanced Training Programme on Shodhganga and Plagiarism Issues by Information and Library Network Centre, Gandhinagar, Gujarat

### III RESEARCH, CONSULTANCY AND EXTENSION

#### Patent

Sr. No.	Name of the Teacher	Patent Number	Title of the Patent	Status
1	Dr. Shashank Thanki and Jaydeep. R. Shah	202321042513	An Attachment for The Nozzle of Fused Filament Fabrication 3D Printer to Facilitate Continuous Fiber Reinforcement	Filed & published

#### Research Projects

##### Major Research Project funded by External Agencies

Financial Year	Completed		Ongoing		Sanctioned	
	Number	Amount in Lakh	Number	Amount in Lakh	Number	Amount in Lakh
2023-24	2	149.00	-	-	3	114.95
2022-23	1	19.27	2	149.00	-	-

##### Minor Research Project funded by Nirma University

Financial Year	Completed/ Ongoing/ Sanctioned	
	Number	Amount in Lakhs
2023-24	6	3.23
2022-23	5	4.35

##### Completed Major Research Projects

Sr. No.	Title of the Project	Project Investigator/s	Funding Agency	Grant (in Rs.)
1	Centers of Excellence in Sustainable Tourism to Boost Economic Development and Enhance University-Business Cooperation in Southern Asia (CesTour)	Prof. Parag Rijwani, and Prof. Punit Saurabh (International Multi-Institutional Collaborative Project)	Erasmus+ Capacity Building for Higher Education (Erasmus+ CBHE), European Union	72,00,000/-
2	Rainbow (Realizing Aspirations, Interests & Brilliance of Young Women)	Prof. Nina Muncherji, and Prof. Amola Bhatt (International Multi-Institutional Collaborative Project)	Erasmus+ Capacity Building for Higher Education (Erasmus+ CBHE), European Union	77,00,000/-
<b>Total Grant</b>				<b>149,00,000/-</b>

### Sanctioned Major Research Projects

Sr. No.	Title of the Project	Project Investigator/s	Funding Agency	Grant (in Rs.)
1	Documenting Interactive Visual Living Heritage of Siddi Tribe's Dhamaal Dance	Dr. Neha Singh	Indian Council of Social Science Research	8,00,000/-
2	Knowledge Development For Circular Economy Transition (Kodecet)	Dr. Nityesh Bhatt	ERASMUS+	92,94,500/-
3	Impact Of Services Delivered By Health And Wellness Centres (Hwcs) Under Ayushman Bharat Scheme On Maternal Health Care Among Young Mothers Of Tribal Population In South India	Dr. Hardik Shah	Indian Council of Social Science Research	14,00,000/-
<b>Total Grant</b>				<b>1,14,94,500/-</b>

### Minor Research Projects (Sanctioned/ Ongoing / Completed)

Sr. No.	Title of the Project	Project Investigator/s	Funding Agency	Grant (in Rs.)
1	Financial Literacy Among, Working Professionals: Assessment of Financial Knowledge, Attitude and Behaviour From The Lens of Personality	Prof. Harsh Pratap Singh	Nirma University	10,000/-
2	Social Media Influencers Effect on Followers 'Attachment in India'	Dr. Ansita Aggarwal	Nirma University	84,000/-
3	Analyzing Reverse Logistics of E-Waste Management in Ahmedabad City	Dr. Shubham Goswami	Nirma University	59,000/-
4	Perspectives on Buisness Communication Syllabi & Assessment in Indian HEIs	Dr. Nitin Pillai	Nirma University	50,000/-
5	Impact of Social Networking Addiction on Anxiety, Stress and Depression Levels and Relation to Authentic Personality Among Generation Z	Dr. Ruchi Sao	Nirma University	45,000/-
6	Academic Leadership and Decision Making in Institutions of Higher Learning	Prof. Poonam Channiwal, and Prof. Hardik Shah	Nirma University	75,000/-
<b>Total Grant</b>				<b>3,23,000/-</b>

## Research Publications

1. Patel Ritesh, John W. Goodell, Muhammad Zubair Chishti, "Assessing Connectedness of Transportation Cryptocurrencies and Transportation Stocks: Evidence from Wavelet Quantile Correlation", *Finance Research Letters*, (2023), 58, (December), 1-8.
2. Patel Ritesh, Aaliyah Siddiqui, "Banking Service Quality Literature: A Bibliometric Review and Future Research Agenda", *Qualitative Research in Financial Markets*, (2023), 15, (5), 732 - 756
3. Sanjeev Kumar, Ritesh Patel, Najaf Iqbal, Mariya Gubareva, "Interconnectivity Among Cryptocurrencies, NFTs and DeFi: Evidence from The Russia-Ukraine Conflict", *North American Journal of Economics and Finance*, (2023), 68, (September), 1-22.
4. Patel Ritesh, Sanjeev Kumar, Elie Bouri, Najaf Iqbal, "Spillovers Between Green and Dirty Cryptocurrencies and Socially Responsible Investments Around the War in Ukraine", *International Review of Economics and Finance*, (2023), 87, (September), 143-162.
5. John W. Goodell, Marco Ercole Oriani, Andrea Paltrinieri, Ritesh Patel, "The Importance of Abs 2 Journals in Finance Scholarship: Evidence from A Bibliometric Case Study", *Finance Research Letters*, (2023), 55, (July), 1-10.
6. Muhammad Zubair Chishti, Ritesh Patel, "Breaking the Climate Deadlock: Leveraging the Effects of Natural Resources on Climate Technologies to Achieve Cop26 Targets", *Resources Policy*, (2023), 82, (May), 2-14.
7. Raval Avani, Diljeetkaur Makhija, "Application of The Theory of Planned Behavior to Predict Indian Consumers" Intention to Purchase Organic Food", *International Journal of Services, Economics and Management*, (2023), 14, (4), 396-413
8. Raval Avani, Bhoomi Mehta, "Evaluating Environmental, Social and Governance Disclosures: An Integrated Bibliometric and Meta-Analysis", *International Journal of Green Economics*, (2023), 17, (2), 125-142
9. Misra Hrudanand, "Labour Migration in India: A Case Study of Alang Ship Breaking Yard", *Communication and Management Journal*, (2024), 9, (1), 136-149
10. Misra Hrudanand, "Role of Integrating Liberal Education with Management Education in India", *Education and Society*, (2023), 1, (1), 81-89
11. Makhija Diljeetkaur, Avani Raval, "Application of The Theory Of Planned Behaviour To Predict Indian Consumers" Intention To Purchase Organic Food", *International Journal Of Services, Economics and Management*, (2023), 14, (4), 396-413
12. Chhaniwal Poonam, Makhija Diljeetkaur, Barot Haresh, "Music streaming application Spotify: Solving the legal and profitability Impasse" *Journal of Research Administration*, (2023), 5(1), 359-378.
13. Chhaniwal Poonam, "Byju's: The Fantastic Journey of Academic Rockstar tp Edtech Entrepreneur" *Journal of Asian and Pacific Economic Review*, (2024), 17(1).
14. Shah Tejas, Chhaniwal Poonam, "Modelling e-learning quality, self-efficacy and students' behaviour" *International Journal of Learning Technology* (2024), 19(1), 58-84.



15. Rajesh Desai, Mehta Bhoomi, "Working Capital Policy of Newly Incorporated Firms", *Asian Journal of Accounting Research*, (2024), 9, (1), 13-24
16. Sunita Guru, Anamika Sinha, Pradeep Kautish, "Determinants of Medical Tourism: Application of Fuzzy Analytical Hierarchical Process", *International Journal of Emerging Markets*, (2023), 18, (11), 4819-4842
17. Tejas R. Shah, Pradeep Kautish, Khalid Mehmood, "Influence of Robots Service Quality on Customers' Acceptance in Restaurants", *Asia Pacific Journal of Marketing and Logistics*, (2023), 35, (12), 3117-3137
18. Tejas R. Shah, Pradeep Kautish, Sandeep Walia, "Linking Technology Readiness and Customer Engagement: An Ai-Enabled Voice Assistants Investigation", *Foresight*, (2024), 26, (1), 136-154
19. Khalid Mehmood, Amir Suhail, Pradeep Kautish, M.M. Hakeem, Mohd Rashid, "Turning Lemons into Lemonade: Social Support as A Moderator of The Relationship Between Technostress and Quality of Life Among University Students", *Psychology Research And Behavior Management*, (2024), 17, 989-1006
20. Isha Talati, Devanshi Shah, Azharuddin Shaikh, Amisha Patel, Poonam Mishra, "Age Specific Optimal Allocation Of Covid-19 Vaccine Supply In India" , *Journal Of Applied Nonlinear Dynamics*, (2024), 13, (1), 27-35
21. Azharuddin Shaikh, Isha Talati, Poonam Mishra, Mumukshu Trivedi, "A Study Of Cost Minimization: Replenishment Decision For Items With Stock Dependent Demand Using Combined Payment Modes", *Advances In Mathematical Modelling, Applied Analysis And Computation. Iemmaac 2023. Lecture Notes in Networks and Systems*, (2024), 952, 105-117
22. Kautish Pradeep, Rambabu Lavuri, David Roubaud, Oksana Grebinevych, "Electric Vehicles Choice Behaviour: An Emerging Market Scenario", *Journal Of Environmental Management*, (2024), 354, 120250
23. Ahmad Haseeb Payab, Pradeep Kautish, Rajesh Sharma, Aaliyah Siddiqui, Atul Mehta, Mujahid Siddiqui, "Does Human Capital Complement Sustainable Development Goals? Evidence From Leading Carbon Emitter Countries", *Utilities Policy*, (2023), 81, 101509
24. Rajesh Sharma, Muhammad Shahbaz, Pradeep Kautish, Xuan Vinh Vo, "Diversified Imports As Catalysts For Ecological Footprint Examining The Brics Experience", *Environment, Development And Sustainability*, (2023), 25, (4), 3153-3181
25. Kautish Pradeep, Sonal Purohit, Raffaele Filieri, Yogesh K. Dwivedi, "Examining The Role Of Consumer Motivations To Use Voice Assistants For Fashion Shopping: The Mediating Role Of Awe Experience And Ewom", *Technological Forecasting And Social Change*, (2023), 190, (0), 122407
26. Parekh Pratham, "Rethinking Energy Efficiency: The Role Of Sociology In Illuminating Humane Dimensions", *GLS Law Journal*, (2023), 5, (2), 40-44
27. Arpita Khare, Pradeep Kautish, Anshuman Khare, "The Online Flow And Its Influence On Awe Experience: An Ai-Enabled E-Tail Service Exploration", *International Journal Of Retail & Distribution Management*, (2023), 51, (6), 713-735

28. Muhammad Shahbaz, Aaliyah Siddiqui, Mujahid Siddiqui, Zhilun Jiao, Pradeep Kautish, "Exploring The Growth Of Sustainable Energy Technologies: A Review", *Sustainable Energy Technologies And Assessments*, (2023), 57, 103157
29. Pradeep Kautish, Mujahid Siddiqui, Aaliyah Siddiqui, Veenu Sharma, Safiya Mukhtar Alshibani, "Technology-Enabled Cure And Care: An Application Of Innovation Resistance Theory To Telemedicine Apps In An Emerging Market Context", *Technological Forecasting And Social Change*, (2023), 192, 122558
30. Aaliyah Siddiqui, Shrirang Altekar, Pradeep Kautish, Sudhir Fulzele, Nirzar Kulkarni, Mujahid Siddiqui, Muhammad Farhan Bashir, "Review Of Measurement Of Sustainable Development Goals: A Comprehensive Bibliometric And Visualized Analysis", *Environmental Science And Pollution Research*, (2023), 30, (40), 91761-91779
31. Pradeep Kautish, Arpita Khare, Rajesh Sharma, "Terminal Or Instrumental? The Impact Of Values On Consumers Preference For Organic Food Products", *Journal Of Foodservice Business Research*, (2023), 26, (6), 793-822
32. Zhiyuan Li, Nikunj Patel, Jiayang Liu, Pradeep Kautish, "Natural Resources-Environmental Sustainability-Socio-Economic Drivers Nexus: Insights From Panel Quantile Regression Analysis", *Resources Policy*, (2023), 86, (B), 104176
33. Slimane Ed-Dafali, Patel Ritesh, Najaf Iqbal, "A Bibliometric Review of Dividend Policy Literature", *Research in International Business and Finance*, (2023), 65, (April), 1-24.
34. Patel Ritesh, Divyesh Gandhi, Mitesh Patel, Tejas Modi, "Integration of Bond Markets and Portfolio Diversification: Evidence from the 2008 Global Financial Crisis", *Indian Journal of Finance*, (2023), 17, (4), 27-44
35. Nisarg Joshi Ajay, Dhyan Mehta, "Random Walk And Price Convergence In The Commodities Market In India", *Journal Of Commerce And Accounting Research*, (2023), 12, (2), 18-26
36. Nisarg Joshi Ajay, H. Kent Baker, Ansita Aggarwal, "The Russia-Ukraine War's Impact On Stock Markets In Asia-Pacific, The United States, And Europe", *Eurasian Journal Of Business And Economics*, (2023), 16, (31), 39-53
37. Parekh Pratham, "Assessing Gujarat's Sustainable Development: A Comprehensive Analysis Of The SDG India Index", *Urban India*, (2023), 43, (2), 126-133
38. Mehta Bhoomi, Sandip Trada, "Super Papers Private Limited: Preparing Operating Budgets", *Emerald Emerging Markets Case Studies*, (2023), 13, (1), 1-26
39. Jitesh J. Thakkar, Thanki Shashank, Sunita Guru, "A Quantitative Framework For Health-Care Service Quality Assessment In India", *Journal Of Modelling In Management*, (2023), 18, (4), 1064-1092
40. Jignesh R. Vaghela, Janak B. Valaki, Thanki Shashank, Akash B. Pandey, "Sustainability Analysis Of Rapid Tooling-Based Investment Casting: A Comprehensive Review", *Smart And Sustainable Manufacturing Systems*, (2023), 7, (1), 54-81
41. Thakkar Jitesh, Thanki Shashank, Guru Sunita, "A Quantitative Framework For Health-Care Service Quality Assessment In India", *Journal Of Modelling In Management*, (2023), 18, (4), 1064-1092

42. Bhatia Mayank, Bhatt Kedar, "Assessing The Mediating Impact Of Satisfaction On The Relationship Between Retail Service Quality And Customer Loyalty: A Study Of Organised Apparel Multi-Brand Retail Stores In India", *International Journal Of Business and Emerging Markets*, (2023), 15, (2), 175-193
43. Nenwani Jitendra, Rajesh K. Jain, "Uncertainty, Responsiveness, And Operational Performance In Supply Chain: A Conceptual Study Using Contingency Theory Approach", *International Journal Of Services Operations Management (IJSOM)*, (2023), 45, (2), 207-231
44. Paliwal Udailal, Jain Rajeshkumar, "An Investigation Into The Factors Influencing Research Productivity Of Business Faculty", *Pacific Business Review International*, (2023), 16, (1), 27-39
45. Unny Balakrishnan R, Samik Shome, Amit Shankar, Saroj Kumar Pani, "Consumer Privacy In Smartphones: A Systematic Literature Review", *Journal Of Consumer Marketing*, (2023), 41(1), 1-22
46. Lal Bhajan, Unny Balakrishnan R, "Linking The Ceo Personality And Firm Performance In Micro, Small And Medium Enterprises Based In Western India: Measuring The Mediating Effect Of Learning And Growth Intentions", *International Journal Of Globalisation And Small Business*, (2023), 13, (3), 229-246
47. Vishal Goel, Unny Balakrishnan R, Samik Shome, Yuvika Gupta, "Digital Labour: A Systematic Literature Review And Bibliometric Analysis", *International Journal Of Organizational Analysis*, (2023), 32(5), 967-1007
48. Samik Shome, Priya Harchandani, "The Effects of Covid-19 On Global Tourism", *International Journal of Business Innovation and Research*, (2023), 31, (2), 223-247
49. Tohid Kachwala, Dinesh Panchal, Pradeep Pai, "Critical Factors Of Service Quality In Higher Education Services And Their Impact On Overall Service Quality, Student Satisfaction And Student Loyalty", *International Journal Of Knowledge And Learning*, (2023), 16, (3), 290-315
50. Dhyani Mehta, M Mallikarjun, "Impact Of Fiscal Deficit And Trade Openness On Current Account Deficit In India: New Evidence On Twin Deficits Hypothesis", *Economia*, (2023), 24, (2), 172-188
51. Patel Nikunj, Dhyani Mehta, "The Asymmetry Effect Of Industrialization, Financial Development And Globalization On Co2 Emissions In India", *International Journal Of Thermofluids*, (2023), 20, (100397)
52. Rahul Nawani, Shah Hardik, "Focus Of Artificial Intelligence On Gig Economy: Hrm Process", *Educational Administration: Theory And Practice*, (2024), 30, (3), 1964-1974
53. Srinath Mitragotri, Nikunj Patel, "Data Mining In Indian Equity Markets: Building Low Risk, Market Beating Portfolios", *Finance: Theory And Practice*, (2023), 27, (5), 115-127
54. Dhyani Mehta, Nikunj Patel, Nisarg Joshi, Bhavesh Patel, "Impact Of Economic Openness On Government Size In India", *International Journal Of Sustainable Economy*, (2024), 16, (1), 113-130
55. Zhiyuan Li, Nikunj Patel, Jiayang Liu, Pradeep Kautish, "Natural Resources-Environmental Sustainability-Socio-Economic Drivers Nexus: Insights From Panel Quantile Regression Analysis", *Resources Policy*, (2023), 86, (Part A)

56. Nikunj Patel, Pradeep Kautish, Muhammad Shahbaz, "Unveiling The Complexities Of Sustainable Development: An Investigation Of Economic Growth, Globalization And Human Development On Carbon Emissions In 64 Countries", *Sustainable Development*, (2023), Online First, (Online First)
57. Muhammad Shahbaz, Nikunj Patel, "Sustainable Development In A Carbon-Conscious World: Quantile Regression Insights Into Co2 Emission Drivers", *Natural Resources Forum*, (2024), Online First, (Online First)
58. Sushma Verma, Samik Shome, Kabir Hassan, "Fintech In Small And Medium Enterprises (Smes): A Bibliometric Review And Future Research Directions", *European Management Journal*, (2023), 41, (0), 950-971
59. Avani Shah, Samik Shome, Sanjay Bhayani, "Firmâ€™S Characteristics And Board Composition Impact On Dividend Policy: A Study On Role Of Crisis (Pandemic) Period In Indian Context", *Journal Of Commerce And Accounting Research*, (2024), 13, (2), 50-64
60. Sushma Verma, Samik Shome, Aakruti Patel, "Exploring The Effects Of Firm-Specific Factors On Financing Preferences Of Listed Smes In India", *Business Perspectives And Research*, (2024), 12, (1), 149-163
61. Jayesh Aagja, Samik Shome, Ashish Chandra, "A Bibliometric Analysis Of Digital Health & Mobile Health Related Global Research Publications", *Hospital Topics*, (2023), 101, (4), 319-325
62. Balakrishnan Unny R, Samik Shome, Amit Shankar, Saroj Kumar Pani, "A Systematic Literature Review Of Consumer Privacy In Smartphones And Implications Of Future Research", *Journal Of Consumer Marketing*, (2024), 41, (1), 1-22
63. Dhyani Mehta, M.Mallikarjun, "Impact Of Deficit Financing And Trade Openness On Private Consumption In India", *Economy Of Regions*, (2023), 19, (4), 1293-1305
64. Abhay Joshi, Rajesh Jain, "Knowledge Worker Prpateloductivity: The Obscure Perception", *Journal Of Research Administration*, (2023), 5, (2), 3119-3134
65. Khalid Mehmood, Pradeep Kautish, Tejas Shah, " Embracing Digital Companions: Unveiling Customer Engagement with Anthropomorphic Ai Service Robots in Cross-Cultural Context", *Journal of Retailing and Consumer Services*, (2024), 79, 103825
66. Tejas Shah, Pradeep Kautish, Khalid Mehmood, "The Influence of Robots Service Quality on Customers' Acceptance in Restaurants. The Moderating Role of Robot Anthropomorphism", *Asia Pacific Journal of Marketing and Logistics*, (2023), 35, (12), 3117-3137
67. Tejas Shah, Pradeep Kautish, Sandip Walia, "Linking Technology Readiness and Customer Engagement: An Ai-Enabled Voice Assistants Investigation", *Foresight*, (2023), 26, (1), 136-154
68. Patel Bhavesh, Joshi Nisarg, Patel Nikunj, Dhyani Mehta, "Impact of Economic Openness on Government Size in India", *International Journal of Sustainable Economy*, (2024), 16, (1), 113-130
69. Patel Bhavesh, Nikunj Patel, Akruti Patel, "The Role of Institutional Investors in The Indian Stock Markets During the Pandemic", *Capital Markets Review*, (2024), 32, (1), 75-99

70. Nisarg Joshi, Ansita Aggarwal, "Nancy Pelosi Visit to Taiwan and Stock Indices Responses: An Event Study and Panel Data Analysis for Asia-Pacific and Selected Markets", *Journal of Commerce & Accounting Research*, (2024), 13, (1), 45-52
71. Parashar Sapna Chamanlal, Nupur Gupta, "Brand Equity Of India As Tourist Destination :Study Of Antecedents", *IITM Journal Of Business Studies (JBS)*, (2023), 11, (1), 107-118
72. Parashar Sapna, Nupur Gupta, Saurabh Gupta, "Empirical Study of Tourist Perception of India Destination Image Brand Equity of India as A Tourist Destination: Study Of Antecedents Using Pls-Sem Approach", *Asia and Pacific Economic Review*, (2023), 11, (1), 107-118.
73. Ansita Aggarwal, Mayank Patel, "Understanding Consumer Acceptance Of E-Commerce Payment Services And Banking Services: An Empirical Analysis. ", *Journal Of Commerce & Accounting Research*, (2023), 12, (4), 32-43
74. Nisarg Joshi, H. Kent Baker, Ansita Aggarwal, "The Russia-Ukraine War Impact On Stock Markets In Asia-Pacific, The United States, And Europe", *Eurasian Journal Of Business And Economics*, (2023), 16, (31), 39-53
75. Neha Singh, Shashank S.A., "Media And Coexistence: Review Of The Documentary The Elephant Whisperers", *Media Asia*, (2023), 51, (3), 506-511
76. Ashwin Govindbhai Raiyani, Dhaval Nimavat, "Enhanced Security By Using Aws Mqtt Broker As Middleware Architecture For Iot Environment", *European Chemical Bulletin*, (2023), 12, (7)
77. Ashwin Raiyani, Sheetal Pandya, "Exploring The Potential Of Ml In Congenital Heart Defect Diagnosis: A Scoping Review", *International Journal Of Interdisciplinary Organizational Studies*, (2023), 18, (1), 987-1012
78. Jeeva, N. S., Haritha, G., Parija, R., & Mohana Krishna, I. (2023). A Modular Design in the Optimization of Composite Verbal English Teaching. *Boletin De Literatura Oral - The Literary Journal*, 10(1), 3839-3847.
79. Haritha, G., & Rao, R. (2024). A Holistic Approach to Professional Development: Integrating Kolb's Experiential Learning Theory for Soft Skills Mastery. *Journal of Engineering Education Transformations*, 37 (Special Issue), 415-424

### Book Chapter Published

Sr. No.	Name of the Faculty Member	Name of the Book Chapter	Name of the Book	Name of the Publisher	ISBN No.
1	Punit Saurabh	Indian Smes and Start-Ups Growth Through Innovation and Leadership	With Love for Loved Ones (WLFLO): A Start-Up Creating Value and Opportunities	World Scientific Publishing Co. Pte. Ltd.	9789811269554 9789811269547
2	Nikunj Patel	Economic Growth and Environmental Quality in A Post-Pandemic World New Directions in the Econometrics of the Environmental Kuznets Curve	Do Economic Advancements are Catalysts for Carbon Emissions: Depicting the Indian Experience	Taylor & Francis Group	978-1-003-33656-3 978-1-032-37350-8

3	Pradeep Kautish	Nachhaltigkeit und Innovation in Internen und Externen Unternehmensbeziehungen	Human Values, Sustainability Orientation, and Intentions: A SDG Perspective Towards Branded Organic Products in India	Springer Gabler	978-3-658-41618-8 978-3-658-41617-1
4	Aditya Sharma	Recent Developments in Green Finance, Green Growth and Carbon Neutrality	Measuring Green Finance	Elsevier	978-0-443-15936-7
5	Aaliyah Siddiqui	Recent Developments in Green Finance, Green Growth and Carbon Neutrality	Green Finance and Low Carbon Technology Innovation: Current Research and Future Outlook	Elsevier	978-0-443-15936-7
6	Kunjan Rajguru	Recent Developments in Green Finance, Green Growth and Carbon Neutrality	Green Finance: Green Energy Exploration and Consumption	Elsevier	978-0-443-15936-7
7	Parekh Pratham Prakash	Movies: Mirror of Politics	Beyond Heroes: Understanding Significance of Villains in Indian Films	Interdisciplinary Institute of Human Security & Governance	9788195721474
8	Parekh Pratham Prakash	Socio-Political Ideology and Leadership of Dr. Babu Jagjivan Ram	Dr Babu Jagjivan Ram: A Beacon of Hope for Marginalized Communities in Contemporary India	Prudvi Publishers	978-93-92256-18-9
9	Dinesh Panchal	Digital Paradigm Shift: Unravelling Technological Disruption in Business	Enhancing Competitiveness In Service Delivery Systems "Role of Technological Resources	Imperial Publications	978-93-91044-85-5
10	Patel Nikunj Kumar Ramanikbhai	Economic Growth and Environmental Quality in A Post-Pandemic World	Are Economic Advancements Catalysts for Carbon Emissions? Depicting the Indian Experience	Taylor & Francis Group - Routledge	9781003336563
11	Nitin Shankar Pillai	National Education Policy 2020: Understanding & Way Forward	Assessment as a Policy Tool in New Education Policy 2022	Notion Press	979-8-88833-662-5
12	Saurabh Punit	Indian Smes and Startups - Growth Through Startup and Leadership", Asia Pacific Business Series	With Love for Loved Ones (WLFLO): A Start-Up Creating Value and Opportunities	World Scientific Publishing Co. Pte. Ltd.	1793-3137
13	Saurabh Punit	Indian Smes And Startups - Growth Through Startup And Leadership", Asia Pacific Business Series	Digital Health Innovation: Emergence of Digital Medical Consumer (DMC) and Holistic Digital Health Start-Ups (HDHSS)	World Scientific Publishing Co. Singapore,	1793-3137

## Internal Resources Generated

### Revenue Generated in Consultancy/ Testing / Training:

Financial Year	Consultancy	Testing	Training	Other
2023-24	--	-	1176617	-
2022-23	-	-	680639	-

### Executive Diploma Programme

Sr. No.	Name of the Programme	Year	Programme Leader	Participants	Amount
01	EDP in Business Analytics	July 2023 to May 2024	Prof P. K. Yadav	7	INR 401733/-
02	EDP in Operations Management & Marketing	July 2022 to May 2023	Prof P. K. Yadav	20	INR 939934/-

### Inhouse Training Programme

Sr. No.	Detail of Programme	Date	Programme Leader	Amount (INR)
1.	Training to Reliance Foundation	May 12, 2023	Prof. Dinesh Panchal	47,500/-
2.	Training to A U Small Finance Bank	August 4-5, 2023	Prof. Sapna Parashar	3,71,110/-
3.	Training to A U Small Finance Bank	August 11-12, 2023	Prof. Sapna Parashar	2,46,500/-
4.	Training to A U Small Finance Bank	October 6-7, 2023	Prof. Sapna Parashar	2,46,500/-
5.	Training to Carrier Midea Hi-potential Talent	Aug 21-23, 2023	Prof. Subir Verma	91,930/-
6.	Worked as resource person for teaching at Indian Institute of Management Kozhikode	02 April, 2023	Prof. P. K. Yadav	25563/-
7.	Worked as resource at FH Joanneum University, Austria	05 to 22, January, 2024	Prof. Parag Rijwani	76328/-
8.	MDP-Risk Management Analytics	12 to 13 October, 2023	Prof. Ritesh Patel	70800
Total Amount				1176231/-

### Extension Activities-Community services by Institute

#### Social Projects 2023-2024

Intending to sensitize the students to the larger social concerns, the Institute of Management offers a compulsory field course component called "Social Projects" as part of the Ethics Accountability and Social Projects course in Term III of the MBA & MBA Phase of the Integrated B.Tech-MBA Programme.

Sr. No.	Name of Organisation	Number of students	Projects
1	Centre for Environmental Engineering	55	Research on textile traditions in India Research on education and SDGs Documentation of circular economy in informal sector
2	Tresna Foundation	77	Project UDAN-Bal Sanskar Kendra in 20 villages in Khambhat and Tarapur Project KAUSHALYAM for women empowerment Project GARIMA- Sanitation Unit construction programme Project PAHEL- Digital literacy programme Project DHENU- Rural development programme
3	Smit Foundation	81	Teaching underprivileged children Awareness campaigns Education campaigns
4	Saksham Foundation	60	Design of social media campaigns Corporate pitching for CSR partnerships
5	Child Rights and You (CRY)	78	Creating social media content Awareness drives on NGO activities Fundraising initiatives and activities
6	Humankind	40	Documentation of events under project Anjali Colour identification exercise for kindergarten children Preparation of future development proposals for investor awareness Designing instructional games for educational development Education campaign on welfare schemes for children and women Website content updating Design "Say No to Plastics" campaign Designed promotional material including two newsletters Corporate pitching for CSR projects Volunteer campaign design and execution
7	DATRI	40	Awareness campaigns of events Donation recruitment drives Counselling Strategies for funds raising Activities for marketing communication Volunteering for events

#### IV INFRASTRUCTURE AND LEARNING RESOURCES

##### Library – Learning Resources Added

New books/journals subscribed and their value:

Year	Institute	Titles Purchased		Reference Books Purchased		Print Journals Subscribed		E-Journals Subscribed	
		No.	Cost	No.	Cost	No.	Cost	No.	Cost
2023-24	IMNU	317	3,44,285.00	13	25,815.00	141	2,44,904.00	10240	49,36,701.00
2022-23	IMNU	363	3,92,622.00	34	1,77,432.00	141	4,66,496.00	9745	48,14,719.00



## V STUDENT SUPPORT AND PROGRESSION

### Student achievements

Sr. No.	Name of the Participant	Date	Event	Host institute/ organization	Achievement
1	Prakhar Gupta	27 March, 2024	Policy Innovators Challenge 2024	IIM Udaipur	First Runner Up
2	Swati Salecha	1 November, 2023	Fintech Olympiad 2023	Indian FinTech Forum	National Finalist
3	Jalaj Shah	24 February, 2024	National Conference on Natural Farming	Gujarat Institute of Development Research (GIDR)	Second Runner Up
4	Swasti Salecha	11 December, 2023	Times of India Public Speaking Contest	Times of India	Regional Winner
5	Mahi Padhiar	21 January, 2024	Khel Mahakumbh – Athletics (long jump)	Gujarat Govt	First Runner Up
6	Animesh Sharma	17 January, 2024	Viaje 2024	Karnavati University	Winner
7	Omkar Chirmure	31 March, 2024	Concourse - Merge and Pitch	Ahmedabad University	Winner
8	Omkar Chirmure, Meet Patel, Sagar Gal	31 March, 2024	Concourse - Ad-Mad	Ahmedabad University	First Runner Up
9	Priyanshi Deliwala, Meet Patel, Sagar Gal	31 March, 2024	Merge and Pitch by Concourse	Ahmedabad University	Winner
10	Priyanshi Deliwala	31 March, 2024	AD-MAD	Ahmedabad University	First Runner Up
11	Sajal Tyagi	31 March, 2024	Concourse 24	Ahmedabad University	Winner
12	Yash Naveen Agarwal	19 January, 2024	Viaje Badminton Boys	Karnavati University	First Runner Up
13	Yash Naveen Agarwal	14 February, 2024	Energy Cup'24	Pandit Deendayal Energy University	Second Runner Up
14	Saurabh Khakhkhar	18 February, 2024	Call for Articles	XLRI Delhi	First Runner Up
15	Saurabh Khakhkhar	12 December, 2023	5th edition of Innovision -Article writing	IBS Ahmedabad	First Runner Up
16	Saurabh Khakhkhar	20 November, 2023	Article writing competition	IIM-Rohtak	Winner
17	Astha Drolia	2 March, 2024	Shopfloor 8.0 Nav-o-Nirman	IMI Kolkata	Best Performance Team

18	Sehjad Padaniya	12 March, 2024	Trade Hunt	National Institute of Technology, Kurukshetra	Second Runner Up
19	Sagar Gal	14 July, 2023	Fujitsu 100 Program (2 days Residential Boot camp)	Fujitsu	Winner

### Value Added Courses

Following value added courses conducted for the students of MBA (HRM) in 2023-24.

Sr. No.	Course	Date	Trainer - Firm	Number of students
1	Competency Mapping & ADC workshop	16.02.2024 to 18.02.2024	Academy of HRD	52
2	Behavioural Process Laboratory	27.03.2024 to 30.03.2024	ISABS	52

Following value added courses conducted for the students of BBA Phase of Integrated BBA-MBA in 2023-24.

Sr. No.	Course	Date	Batch	Semester	Division
1	Yoga	26-12-2023 to 29-04-2024	2023-28	II	A
2	Yoga	26-12-2023 to 29-04-2024	2023-28	II	B
3	Yoga	26-12-2023 to 29-04-2024	2023-28	II	C
4	Yoga	26-12-2023 to 29-04-2024	2023-28	II	D
5	Personality Development	29-02-2024 to 29-04-2024	2022-27	IV	A
6	Personality Development	29-02-2024 to 29-04-2024	2022-27	IV	B
7	Personality Development	29-02-2024 to 29-04-2024	2022-27	IV	C

## Admission Details 2023-24

Sr. No.	Name of Programme	Cut off marks	No. of Applications Received	Appeared in Written Test	No. of Candidates Shortlisted for GD-PI	No. of Candidates Appeared in GD-PI	No. of Candidates Registered for the Programme
1.	MBA	80%tile	2336	1949	1076	979	362
2.	MBA (HRM)	75%tile	323+337	323+337	151+113	264	41
3.	MBA (FB&E)	---	163	125	125	118	64
4.	Integrated BBA-MBA Programme	90 Overall Marks	4190	-	-	-	-
	BBA-MBA (All India)		3647	3009	901	624	163
	BBA-MBA (Gujarat Category)	90%	250	---	224	209	50
	BBA-MBA (NRI Category)	More than 20 Overall Marks	288	229	204	150	38

## Co-curricular Activities Organised

The Co-curricular activities organized by various student clubs at the Institute of Management for the year 2023-24 are as follows.

Sr. No	Event Name	Name of Club/Committee	Dates	No. of Participants
1	KPMG Lean Six Sigma	Optimus	12-08-2023 & 13-08-2023, 26-08-2023 & 27-08-2023	70
2	Sameeksha	Sumantra	02-09-2023	30
3	Apratim	TCC	04-09-2023	500
4	Guruvandanam	TCC	05-09-2023	150
5	Prayas	Spandan	07-09-2023	-
6	Slam Dunk	Sportzzz Comm	07-09-2023 to 10-09-2023	193
7	Avanya	Sumantra	11-09-2023 to 13-09-2023	50
8	Brandwizer 2023	Niche	11-09-2023 & 12-09-2023	272
9	Avighna Chaturthi	TCC	19-09-2023 to 23-09-2023	1000
10	Thangaat	Fiesta	27-09-2023 & 28-09-2023	497
11	Ops-Sim	Optimus	30-09-2023 to 13-10-2023	367
12	Sahara	Spandan	02-10-2023	40
13	Shaam-E-Khaas	Karwaan	03-10-2023	38
14	Showdown 2023	Expression	04-10-2023 & 05-10-2023	390
15	Ingenium 4.0	Imprintz	08-10-2023 & 09-10-2023	222
16	E-Insight	Swayam	11-10-2023	65

17	Cross Hunt 3.0	SWC	13-10-2023	450
18	The Best Manager	Optimus	15-10-2023 & 16-10-2023	107
19	Enflammer 3.0	News Junction	17-10-2023 & 18-10-2023	84
20	Exposure 7.0	Pratikriti	25-10-2023	80
21	Dwand	Karwaan	27-10-2023	38
22	Fintalk 1.0	Finesse	27-10-2023	350
23	Vanijyik	XquixIT	27-10-2023 & 28-10-2023	88
24	Udaan	Spandan	28-10-2023	60
25	TechUnite	Clique	29-10-2023 to 31-10-2023	300
26	Raveyard	Fiesta	29-10-2023	327
27	Ball of Betrayal	Sumantra	30-10-2023 & 31-10-2023	174
28	Kurukshetra	XquixIT	01-11-2023 to 03-11-2023	138
29	Copa	Sportzzz Comm	01-12-2023 to 03-12-2023	168
30	Anticlimax	Chehre	04-12-2023	88
31	Ranbhoomi 2023	Niche	05-12-2023 to 08-12-2023	200
32	Bizarre Bazaar	Finesse	11-12-2023 & 12-12-2024	254
33	Super Procure	Optimus	11-12-2023, 13-12-2023, 18-12-2023 & 23-12-2023	104
34	Battle-O-Best	Karwaan	12-12-2023 to 14-12-2023	140
35	Pressence	WMCCC	15-12-2023 & 16-12-2023	201
36	Nirma Trading League	Finesse	18-12-2023 to 22-12-2023	346
37	Stree Shakti	Spandan	23-12-2023	5
38	Hunger Games	Mess Committee	26-12-2023 & 27-12-2023	198
39	Anveshan 11.0	XquixIT	03-01-2024 & 17-01-2024	249
40	Cric8	Sportzzz Comm	19-01-2024 to 21-01-2024	195
41	Pre-Budget Session	Finesse	29-01-2024	30
42	Textangle	Sumantra	30-01-2024 & 31-01-2024	66
43	Qriosity	News Junction	01-02-2024 to 05-02-2024	250
44	Invest-E-Mania	Finesse	05-02-2024	57
45	IGNUS 8.0	Clique	09-02-2024 & 10-02-2024	105
46	NCL 2024	Sportzzz Comm	27-02-2024 to 06-03-2024, 08-03-2024 to 13-03-2024	300
47	Thrive	Imprintz	02-03-2024 & 03-03-2024	295
48	Technical Session on Operation Management	Optimus	05-03-2024 & 06-03-2024	20
49	Carnival-The Drum Circle	Fiesta	07-03-2024	342
50	Business Tantra	Finesse	11-03-2024 & 13-03-2024	500
51	Guest Lecture	Imprintz	13-03-2024	55
52	CPR Training	Spandan	18-03-2024 & 19-03-24	450
53	Farewell 2024	SWC	21-03-2024	500

Co-curricular activities organized by the Department of Undergraduate Studies of the Institute of Management for the students of the BBA Phase of the Integrated BBA MBA Programme are as follows:

Sr. No.	Event	Organizing Club/Committee	Date of Event	No. of Participants
1.	Akshar- The Guest Lecture Series	AdityaVat- The BBA Co-Curricular Committee	08-02-2023	350
2.	First Year Committee Recruitments Organization	AdityaVat- The BBA Co-Curricular Committee	26-08-2023 to 14-09-2023	350
3.	Aarohan- The Annual BBA Conclave	AdityaVat- The BBA Co-Curricular Committee	19.01.2024 to 20.01.2024	350
4.	Lifesize Monopoly (Genesis)	AdityaVat- The BBA Co-Curricular Committee	13-03-2024 to 14.03.2024	150
5.	Infools Residency	Vichardhaara- The BBA Quiz and Debate Club	12-02-2024 to 13-02-2024	150
6.	Brand Wars	Vichardhaara- The BBA Quiz and Debate Club	13-03-2024	126
7.	The Media Darbaar	Vichardhaara- The BBA Quiz Debate Club & The Media and Website Committee	30-10-2023	100

### SPORTS ACTIVITIES

Sports activities organized at the Department of Undergraduate Studies, Institute of Management, Nirma University are as follows:

Sr. No.	Name of event	Date	Organizing club	No. of student participants	Short Description of the event
1	Invictus	21-08-2023 to 28-08-2023	Khelnayak-BBA Sports Committee	620	Flagship event, which included Basketball, Volleyball, Badminton, and Lawn Tennis.
2	Cyber Clash	02-11.2023 to 05-11-2023	Khelnayak-BBA Sports Committee	147	Online e-sports, which included BGMI, Chess, Clash Royale, and Valorant.
3	Sangharsh	04-12-2023 to 06-12-2023	Khelnayak-BBA Sports Committee	110	Football Event
4	Crickshetra	05-02-2024 to 08-02-2024	Khelnayak-BBA Sports Committee	110	Cricket Event
5	Paintball	13 <sup>th</sup> March, 2024	Khelnayak-BBA Sports Committee	90	Games

### Details of the Cultural/Youth Welfare Activities 23-24 for students of BBA Phase of Integrated BBA- MBA

Sr. No	Name of the event	Event Date and Duration	No of participants	Organizing club/committee
1	Teachers Day	05/09/23	300+	Abhivyakti
2	Fresher's Party	06/11/23	300+	Abhivyakti
3	Bhukkad Competition	02/01/24	100	Abhivyakti

4	Treasure Hunt Competition	30/01/24	125	Abhivyakti
5	Activities in the NSS Camp for the people of Ambaliyara village	02.02.24	65	Abhivyakti
6	Genzen	29.02.24	100	Abhivyakti
7	Genesis	13.03.24 to 14.03.24	800	Abhivyakti

**Number of students passed the following examinations as applicable to the respective Institute: NET, SLET, CAT, TOEFL, GRE, GMAT, IELTS, GATE, GPAT, ICMR, etc**

- (a) GMAT Cleared: 02
- (b) CAT cleared : 18
- (c) IELTS : 02

**Alumni association – activities supporting students**

**Alumni invited for admission process**

To have an industry and alumni perspective in the selection process of candidates for admission in MBA Programme, the institute has involved senior alumni as part of the admission interview panel.

The following alumni were invited as panel member/s for Admission Interviews during February 2024:

**List of Alumni in Admission Panel - 2023-24**

Sr. No.	Name of Alumni	Batch	Name of Organization	Designation
1	Ms. Akanksha Bumb	2007-2009	MITR (OB Strategist)	Field Assist& Co-Founder at F5 Escapees
2	Ms. Akansha Gandotra	2013-2018	Commonwealth Bank of Australia	Global Marketing &Employer Branding Professional
3	Mr. Ashish Agrawal	2020-2022	Capgemini	Consultant   Brand & Content
4	Mr. Hriday Gandhi	2016-2018	Nø Great Shakes	Co-Founder
5	Mr. Naveen Kejriwal	1998-2000	Lenovo	General Manager
6	Mr. Nishit Modi	1998-2000	Ronson Chemicals	Director-Owner
7	Mr. Sapan Oza	1999-2001	TCS	Regional Manager
8	Mr. Saurabh Shah	1999-2001	Shah Engineering Stores Corporation	Owner
9	Ms. Shree Dhruv Acharya	2014-2014	Sikander Foods	Director - Marketing
10	Ms. Shreya Biswas	2014-2016	Gartner	Senior Principal, Leader
11	Mr. Utkarsh Goel	2007-2009	IIT, Allahabad	Assistant Professor
12	Mr. Ashish Jeetal Juneja	1997-1999	Oracle	Sales Director

### List of Alumni Members Invited as Speaker for 2023-24.

Following alumni members were invited as speakers for different events during 2023-24.

Sr. No.	Date of Event	Name of the Guest Speaker	Name of Event	Name of Organization	Designation
1	29-Aug-23	Mr. Pawan Nahar	Guest Lectures	Independent Fund Manager & Investment Analyst	Senior Correspondent at Business Today
2	26-Dec-23	Mr. Parthiv Shah	Guest Lectures	HDFC Bank	Senior Vice President
3	26-Aug-23	Mr. Hitesh Birani	Guest Lectures	HDFC Ergo General Insurance Company Ltd.	Head - Health Agency
4	26-Aug-23	Mr. Shreyas Thacker	Guest Lectures	Society general Corporate and Investment Banking, France	Associate Equity Research Analyst
5	24-Aug-23	Ms. Vanessa Upadhyay	Guest Lectures	Carat Lane	Category Manager
6	22-Dec-23	Ms. Esha Nagar	Guest Lectures	The Pegboard	Founder & CEO
7	22-Dec-23	Ms. Ratna Joshi	Pratidhwani - The Alumni Conclave 2023	TATA Motors	Head - HR Commercial
8	22-Dec-23	Mr. Harry Jose	Pratidhwani - The Alumni Conclave 2023	MMS	Head of Marketing
9	22-Dec-23	Ms. Shreya Biswas	Pratidhwani - The Alumni Conclave 2023	Gartner	Principal Consultant
10	22-Dec-23	Mr. Rohit Swarup	Pratidhwani - The Alumni Conclave 2023	Xplora Design Skool	Founder & Director
11	22-Dec-23	Mr. Romil Shah	Pratidhwani - The Alumni Conclave 2023	Auto Arena & Carzspa Isanpur	Director
12	22-Dec-23	Mr. Devanshu Bhatia	Pratidhwani - The Alumni Conclave 2023	Adani Ports & SEZ	AGM Strategic Sourcing
13	22-Jul-23	Mr. Sameer Dwivedi	Guest Lectures	Axis Bank	Senior VP
14	16-Dec-23	Mr. Vikram Gupta	Guest Lectures	Triveni Turbine Limited	Head - Learning & Competency Development

15	15-Jul-23	Mr. Mohit Moradiya	Guest Lectures	Yes Bank Ltd.	VP - Credit Risk Management
17	09-Sep-23	Mr. Kushagra Srivastava	Guest Lectures	Wipro Limited	BI Consultant
18	08-Sep-23	Mr. Abhishek Dadu	Guest Lectures	Nielsen IQ	Director
19	02-Sep-23	Mr. Sanchit Bhasin	Guest Lectures	Blinkit	City Head
20	02-Jan-24	Dr. Keyur Jathal	Guest Lectures	Ishan Technologies	Executive Director
21	15-Jul-23	Mr. Mohit Dipakkumar Moradiya	Guest Lectures	Yes Bank Ltd.	Vice President
22	22-Jul-23	Mr. Sameer Dwivedi	Guest Lectures	Axis Bank	Sr. VP
23	24-Aug-23	Mr. Vanessa Upadhyay	Guest Lectures	Carat Lane	Category Manager
24	26-Aug-23	Mr. Hitesh Birani	Guest Lectures	HDFC Ergo General Insurance Co. Ltd	Head Agency
25	28-Aug-23	Mr. Parth Sanghani	Guest Lectures	Search Inc	Associate Manager
26	29-Aug-23	Mr. Pawan Nahar	Guest Lectures	Independent Fund Manager And Investment Analyst	Director
27	02-Sep-23	Mr. Sanchit Bhasin	Guest Lectures	Blinkit	City Head
28	08-Sep-23	Mr. Abhishek Dadu	Guest Lectures	NilsenIQ, Vadodara	Director
29	08-Sep-23	Mr. Omkar Joshi	Guest Lectures	Hybrid Mumbai	Founder & CCO
30	09-Sep-23	Mr. Adrija Chattopadhyay	Guest Lectures	Tata AIG	Senior Manager
31	09-Sep-23	Mr. Kushagra Srivastava	Guest Lectures	Wipro	BI Consultant
32	12-Sep-23	Mr. Arpit Patidar	Guest Lectures	DCB Bank	Analytics Head
33	16-Dec-23	Mr. Vikaram Gupta	Guest Lectures	Triveni turbine Limited	Head
34	22-Dec-23	Prof. Sharad Kumar	Guest Lectures	SBI	Zonal Head
35	26-Dec-23	Mr. Parthiv Shah	Guest Lectures	HDFC Bank	Senior V.P
36	02-Jan-24	Mr. Keyur K Jathal	Guest Lectures	Ishan Technologies	Executive Director
37	10-Feb-24	Mr. Amit R Toshniwal	Guest Lectures	L&T financial Services	Head of IT Project Management and RPA
38	14-Mar-24	Mr. Sapan Oza	Guest Lectures	Tata Consultancy Services	Regional Manager



## **Alumni Day 2023**

The Alumni Day 2023 was organized on October 27, 2023 with the theme “Espousal of Change”. Alumni from batches of 1996-1998 to 2022-2023 were present at the event.

## **PLACEMENT 2024**

The 2024 placement season saw an unprecedented rush of recruiters vying for the best talent from the campus. The Institute witnessed 85% placement this year, with 75 companies participating in the campus placement process. Six companies offered 40 preplacement Offers (PPOs).

The highest package of INR 70 LPA was offered by Balmer Lawrie to one candidate. It rose remarkably as compared to the highest package of INR 30 LPA which was offered last year. The average salary is INR 11.20 LPA and the median salary is INR 10.50 LPA.

The regular profiles offered were Analyst, Associate Consultant, Product Manager, Relationship Manager, Senior Associate Consultant, Financial Analyst, Sales Manager, Marketing Analyst, MT, Business Development Executive, Executive Trainee, Wealth Management etc. New profiles included Affluent Acquisition Manager, Cloud Consultant, SCM Analyst, Home Loans, LAP, Mortgages, Institutional Sales, etc.

The campus placement drive witnessed offers from prominent companies in sectors such as Consulting, Automobile, IT&ITES, BFSI, FMCG, Manufacturing, Media, Textile, Pharma, HR Advisory, and Energy. More than 45 new companies participated in the campus hiring process.

Number of students opted for Placement: 371

Number of students placed: 361

### **Other details:**

	<b>Girls</b>	<b>Boys</b>
<b>Number of students placed</b>	144	217
<b>Students opted for Entrepreneurship</b>	-	6

**Institute  
of  
Pharmacy**

## **Institute of Pharmacy**

### **INDEX**

<b>Sr. No</b>	<b>Particulars</b>	<b>Page</b>
<b>1</b>	<b>Outstanding Achievements and important activities</b>	<b>145 – 152</b>
<b>2</b>	<b>Curricular Aspects</b>	<b>152 – 152</b>
<b>3</b>	<b>Teaching-Learning and Evaluation</b>	<b>153 – 156</b>
<b>4</b>	<b>Research, Consultancy and Extension</b>	<b>156 – 172</b>
<b>5</b>	<b>Infrastructure and Learning Resources</b>	<b>172 – 174</b>
<b>6</b>	<b>Student Support and Progression</b>	<b>174 – 184</b>

## INSTITUTE OF PHARMACY

### Outstanding Achievements and important activities

#### Ranking & Accreditation

- The Institute of Pharmacy achieved the 37th rank at the national level in the NIRF 2023 (National Institutional Ranking Framework) by the Ministry of Education, Government of India.
- The Institute of Pharmacy secured the top position among pharmacy colleges in Gujarat, earning a Five Star rating in the Gujarat State Institutional Rating Framework (GSIRF) 2023, awarded by the Knowledge Consortium of Gujarat, Department of Education, Government of Gujarat.
- B. Pharmacy program is accredited by the NBA for three years, from 2022 to 2025.
- The Institute has received approval from the Gujarat Pollution Control Board (GPCB) for biomedical waste management until 2075.
- The Institute's Medical Testing Laboratory has been granted NABL (National Accreditation Board for Testing and Calibration Laboratories) accreditation for entry-level pathological testing.

#### Major Faculty Achievements

- Dr. Mayur Patel has been selected among the world's top 2% scientists, according to a study published by Stanford University.
- Dr. Richa Gupta, Assistant Professor, Department of Pharmacology, received two prestigious international travel fellowships: the MDS Travel Award of 1000 USD from the International Parkinson and Movement Disorder Society to attend and present a research paper at the International Congress of Parkinson's Disease and Movement Disorders in Copenhagen, Denmark, from August 27-31, 2023, and the JSN International Travel Award of 40,000 JPY to attend the 64th Annual Meeting of the Japanese Society of Neurology in Chiba, Japan, from May 31 - June 3, 2023.
- Dr. Hardik Bhatt, Associate Professor and Head, received the DST and SERB Travel grant to attend and present his research findings at the ACS Fall 2023 National Meeting organized by the American Chemical Society from August 13-17, 2023, at the Moscone Center, San Francisco, CA, USA.
- Dr. Priti Mehta was awarded the Prof. M. L. Shroff "Pharma Recognition Award" by Team Pharma Lok for her immense contribution to the teaching profession and the enhancement of the quality of pharmacy education on September 5, 2023.
- Dr. Tejas M. Dhamiliya and Dr. Udit Chaube received the ICMR International Travel Grant to attend the "International Conference on Drug Discovery and Translational Medicine (ICDDTM'23)" in Selangor, Malaysia, on December 5-6, 2023, from the Indian Council of Medical Research, New Delhi.
- Dr. Tejas M. Dhameliya, Assistant Professor, Department of Pharmaceutical Chemistry, received the 'Teachers Associateship for Research Excellence (TARE) fellowship' for his research work entitled "Design and Development of Anti-cancer Heterocyclic Scaffolds as Type I DNA Topoisomerase (Topo 1) Inhibitors" from the Science & Engineering Research Board (SERB), Department of Science and Technology, Government of India, on January 9, 2024. Dr. Tejas will carry out the research under the supervision of Dr. Sivapriya Kirubakaran, Associate Professor, Discipline of Chemical Science, Indian Institute of Technology, Gandhinagar (IIT-Gandhinagar), Ahmedabad.

## Major Students Achievements

- Ms. Kirti Mathur (22mph205), secured the 1st prize in Oral presentation at “National Conference on Innovation in the Pharmaceutical Industry: Translating Research into Practice” organized by the Lachoo Pharmacy Alumni Society, Lachoo Memorial College of Science & Technology in Jodhpur, Rajasthan on May 27, 2023.
- Dr. Dhara Bhayani received Best Ph.D. thesis award 2020 in the Pharmaceutical Science category from Gujarat Science Academy for her PhD dissertation work entitled, ' Effect of ionizing radiation on the stability of selected drugs and their formulations. She has completed her PhD under the guidance of Dr Priti Mehta, Professor and head, of the Department of Pharm Analysis of the Institute of Pharmacy. The award was conferred on June 17, 2023 at Gujarat University.
- Mr. Shiv Patel, B Pharm student (19BPH097) had qualified the GPAT examination 2023 with AIR 59. A total of 15 students qualified the GPAT Exam in the year 2023.
- Ms. Raveena Udhani (21ftphdp78), received the Runner-Up prize for her novel idea pitch in the national-level Ideathon competition organized by NIPER-Hyderabad on 5th July 2023 during three-day workshop and hands-on training program on "Paper-based Microfluidics and Lateral Flow Devices".
- B Pharm students, Mr. Ronil Patel (20BPH084) and Ms. Vanshika Dave (20BPH107) secured the first position and M Pharm student, Ms. Gargi Vaghela (22MPH803) secured second position in the “Digital Anti-Ragging Poster Making Competition” organized by Institute of Pharmacy, Nirma University, Ahmedabad on August 18, 2023.
- Ms. Ritu Soni (21ftphdp73), Ph.D. student secured first place in poster presentation competition in Pharmacology category at international conference on "The future of Pharmaceutical drug development: trends, challenges and opportunities" organized by L.J. Institute of Pharmacy, L.J. University, Ahmedabad, Gujarat held on 6th and 7th October, 2023.
- Mr. Manmohan Sharma (21FTPHDP77) was awarded 1st prize in scientific poster presentation on the topic “3D-QSAR Studies, Molecular Docking, Molecular Dynamic Simulation, and ADMET Proprieties of Novel PfdHODH Enzyme as PfdHODH Inhibitors for the Treatment of Malaria" at 28th ISCB International Conference (ISCBC-2024), based on the theme "Recent advances in Biological, Chemical, Biotechnological, and Pharmaceutical Sciences for Innovation in Healthcare" jointly organized by the Indian Society of Chemists & Biologists (ISCB), Faculty of Science, and Faculty of Pharmacy, Marwadi University, Rajkot, Gujarat, India, held on January 8-10, 2024.
- Ms. Raveena Udhani (21FTPHDP78) and Ms. Khushboo Faldu (20FTPHDP60) were awarded first prize in oral presentations, Mr. Melroy D’Sa (22PTPHDP139) secured first position in poster presentation, Ms. Aishani Basu (20BPH005) secured second position, Mr. Pallav Gandhi (20FTPHDP65) and Ms. Gargi Vaghela (22MPH803) secured third position in poster presentations under different tracks presentations at 7th Nirma Institute of Pharmacy International Conference (NIPiCON 2024) organised by Institute of Pharmacy, Nirma University, Ahmedabad.
- The team of students from the Institute of Pharmacy won first prize in the drama competition at "Vimukti," an event aimed at raising awareness against addiction. It was organized by the NSS Unit of the Institute of Technology, Nirma University, on March 2, 2024.

## Research publications by Undergraduate Research Council (UGRC) students

- Maiti, Ritwik, Bhumika Patel, Nrupesh Patel, Mehul Patel, Alkesh Patel, and Nirav Dhanesha. "Antibody drug conjugates as targeted cancer therapy: past development, present challenges and future opportunities." *Archives of Pharmacal Research* (2023): 1-28 (IF 6.01).
- Niyati Parekh, Sarthak Lakhani, Ayushi Patel, Dhyanesh Oza, Bhumika Patel, Ruchi Yadav, Udit Chaube, Discovery of novel CaMK-II inhibitor for the possible mitigation of arrhythmia through pharmacophore modelling, virtual screening, molecular docking, and toxicity prediction, *Artificial Intelligence Chemistry*, 2023, 1, 1-6.

## Major Events Organized

1. USP India Workshop on Dissolution Performance Verification Testing was organized at Institute of Pharmacy on 5th July, 2023. United States Pharmacopoeia (USP) and the Society for Pharmaceutical Dissolution Science (SPDS) collaborated with SOTAX India Pvt. Ltd and Chromachemie Laboratory Pvt. Ltd. to organize the workshop. Dr. L Ramaswamy, General Secretary SPDS & Managing Director, SOTAX India Pvt. Ltd., Dr. Mark Liddell, Manager, Dosage Form Performance Laboratory, USP, Dr. Matru Prasad, Senior Director, USP, India, Mr. Munish Buch, Head, Analytical Development, R & D, Emcure Pharma Ltd and Mr. BRS Rao, Managing Director, Chromachemie Lab Pvt. Ltd. graced the function. Dr. Mark Liddell, Manager, Dosage Form Performance Laboratory, USP delivered a talk on Compendial Dissolution Testing and gave a demonstration of Dissolution Performance Verification Testing. Mr. Munish Buch, Head, Analytical Development, R & D, Emcure Pharma Ltd. gave a talk on Dissolution Testing Perspective from Pharma Industry. Delegates from various pharmaceutical industries, faculty and students of Institute of Pharmacy actively participated in the workshop.
2. A Seminar on "Impurity Insights" was organised by Department of Pharmaceutical Analysis, Institute of Pharmacy in collaboration with Society for Pharmaceutical Dissolution Science (SPDS) on 25th January, 2024. Dr. Antonio Hernandez Cardoso, Senior Principal Scientist, USP; Dr. Mukesh Kumar, Founder Director, Otriv-Q3 Research Pvt. Ltd and representative of SPDS; Dr. Ravi Reddy, Vice President, RSD group, USP and Dr. Kailash Asati, Zydus Lifesciences Ltd. addressed the audience. Mr. R. Kartik Iyer, Associate Director, Strategic Customer Development, USP; Ms. Zeenat Khan, Associate Director, SCD and Mr. KRC Reddy, Chief Business Officer, Chromachemie India Pvt. Ltd. were also present. Delegates from various pharmaceutical industries, faculty, and students of the Institute of Pharmacy, participated in the seminar. The seminar delved into the intricacies of managing organic and inorganic impurities with a focus on key USP General Chapters and series of talks on topics ranging from the international harmonization process for USP general chapter <621> to Impurities & Forced Degradation studies were arranged.
3. Institute of Pharmacy in collaboration with KD Hospital, Ahmedabad conducted a seminar on "Arthritis and Healthy Joint Maintenance" as part of celebration of World Physiotherapy Day at the Institute of Pharmacy on 11th September, 2023. Faculty members, staff members and PhD students participated in the seminar.
4. The 7th Nirma Institute of Pharmacy International Conference (NIPiCON 2024) was organized by the Institute of Pharmacy from February 7th to 9th, 2024, under the theme "NextGen Therapeutics: Multidisciplinary Research Approaches for Drug Development and Delivery - Bridging the Gaps from Drug Discovery to Patient Care." The conference was inaugurated by Prof. Ian Haworth from the University of Southern California, USA, Dr. Viranchi Shah, National President of the Indian

Drug Manufacturers' Association (IDMA), India, and Dr. Sanjay Kumar Jain, Chief Quality Officer, Operations at Amneal Pharmaceuticals. The event brought together a diverse assembly of experts, scientists, and academicians from around the globe to discuss the latest advancements and challenges in the pharmaceutical sector. Distinguished speakers and scholars from countries including the USA, Canada, UK, Australia, Malaysia, Singapore, France, and Qatar delivered insightful talks, exploring cutting-edge breakthroughs within the pharmaceutical domain. The conference attracted approximately 500 enthusiastic delegates from various regions of India and beyond. The valedictory function, held on February 9th, 2024, was graced by Dr. Puran Sahu, Director & I/c CEO of the National Dope Testing Laboratory, Government of India, New Delhi, and Prof. Rosnah Zain, Deputy Vice Chancellor of MAHSA University, Malaysia. Dr. Puran Sahu captivated the audience with his discourse on the multifaceted aspects of dope testing and its research prospects, while Prof. Rosnah Zain emphasized the importance of collaborative research in the pharmaceutical field to foster innovative solutions in the healthcare sector. The event also featured the recognition and awarding of certificates and prizes to the winners of the scientific poster competition and oral presentations.

- Institute of Pharmacy and Institute of Science, Nirma University in association with the Indian Immunological Society organized a National Level Symposia “CME: Immunology in Health and Diseases” from February 22-23, 2024, focused on the theme of Immunology in Health and Diseases. Distinguished speakers across India delivered insightful talks, exploring cutting-edge breakthroughs within the Immunology and pharmaceutical domain. Dr. Dinakar M. Salunke, Emeritus Scientist & Former Director International Centre for Genetic Engineering & Biotechnology, New Delhi was the Chief Guest, and Dr. Sanjeev Kumar, President, (R&D) ZRC, Ahmedabad and Dr. Taruna Madan (IIS, President), Scientist G, National Institute for Research in Reproductive and Child Health, Mumbai were the guest of honour in the Inauguration function. One key note session and 12 invited talks were delivered by eminent scientist from the institutes like Indian Institute of Science (IISc, Bangalore), National Institute of Immunology, New Delhi etc. The Symposium witnessed participation of 146 delegates from academia and research centers. The valedictory function was graced by Dr. Sunil K Arora, Professor, Postgraduate Institute of Medical Education and Research, Chandigarh, Dr. Amit Awasthi, Senior Professor, Translational Health Science and Technology Institute, Faridabad, Dr. Sharvan Sehrawat, Associate Professor, Indian Institute of Science Education and Research, Mohali and Dr. Devinder Sehgal, Scientist-VII, National Institute of Immunology, New Delhi.

## Dignitaries visited

### International Dignitaries

Name of the Dignitary	Designation and Organization	Purpose	Date
Dr Stephen Kerr	Professor of Medicinal Chemistry at the School of Pharmacy, MCPHS, USA	Delivered Keynote address in International Conference (7th NIPiCON 2024)	07-Feb-24
Mr Samir Haddouchi	Managing Director, SOTAX Pharma Services, France	In vitro performance testing for complex pharmaceutical products (International Conference)	07-Feb-24
Dr Rosnah Binti Mohd Zain	Deputy Vice-Chancellor Research, Innovation & Enterprise, MAHSA University, Selangor, Malaysia	Oral cancer control strategies - Epidemiology, early detection and research advancement (International Conference)	08-Feb-24

Dr Neelima Chauhan	Associate Professor, Department of Pediatrics, University of Illinois at Chicago, Illinois, USA	Full Bright Fellowship - Introduction to Clinical Trials of Neurodegenerative diseases	30-Aug-23
Dr Sanjay Garg	Professor, Pharmaceutical Sciences, University of South Australia, Bradley, Adelaide, Australia	Patient-centric drug delivery systems: Innovative solutions to unmet clinical needs (International Conference)	07-Feb-24
Dr Babita Madan	Assistant Professor, Duke-NUS Medical School, Singapore	A novel Wnt-sterol axis regulating RTK/MAPK signaling (International Conference)	08-Feb-24

### National Dignitaries

Name of the Dignitary	Designation and Organization	Purpose	Date
Dr. Montukumar M. Patel	President, Pharmacy Council of India, New Delhi	Chief Guest for Faculty Development Program and delivered the key note address	10-Jul-23
Dr. H.V.C. Chary Guntupalli	Scientist E/ Addl. Director, Ministry of Environment, Forest & Climate Change, Govt. of India. Integrated regional office, Bhopal	Environmental management in Pharmaceutical Industry: Recent trends (FDP)	10-Jul-23
Dr. Suresh Babu	Principal Scientist, Indian Institute of Chemical Technology, Hyderabad	Translation Research and Start-up Opportunities in Natural Products Drug Discovery (FDP)	10-Jul-23
Dr. Kranti Vora	Professor, Indian Institute of Public Health, Gandhinagar	Innovations in Public Health (FDP)	11-Jul-23
Dr. Vipin Kumar	Director & Chief Innovation Officer, National Innovation Foundation-India, Gandhinagar	Industry-Academia Linkages for Advancing Pharma and Health Systems (FDP)	11-Jul-23
Dr. Sharad Gupta	Professor, Indian Institute of Technology, Gandhinagar	Quality Control in Peptide APIs and Related Materials: Challenges and Opportunities (FDP)	11-Jul-23
Dr. Paresh Vora	Director, WIN Foundation, Ahmedabad	Experiences in Innovation at Grassroots (FDP)	11-Jul-23
Prof. Vandana Patravale	Professor, Pharmaceutics, ICT, Mumbai	Six sigma and QbD: Paradigm shift in Development of Pharmaceutical Products (FDP)	12-Jul-23
Dr. S. K. Nema	Scientific Officer H, Institute for Plasma Research, Gandhinagar	Management of Pharmaceutical Waste in Environment friendly manner using Thermal Plasma (FDP)	13-Jul-23
Dr. Pramod Shinde	Principal Scientist, Natural Products and Green Chemistry Division, CSIR-CSMCRI, Bhavnagar	Sustainable Marine Natural Products (FDP)	13-Jul-23
Dr. SV Gopalakrishnan	Senior Vice President, Corporate quality, Zydus Lifesciences Pvt Ltd.	Sustained Compliance in Pharma Industry (FDP)	13-Jul-23



Prof. Rakesh Rawal	Professor, Dept. of Life-Science, Gujarat University	Sustainability in Drug Discovery: Balancing Efficacy, Safety and Environment Impact (FDP)	13-Jul-23
Dr. Anupama Ramkumar	Principal Consultant & CEO, Arkus Research Pvt. Ltd., Ahmedabad	Call for Action on UN SDG Goals-What Can a Pharmacist Do? (FDP)	14-Jul-23
Dr. Ajay Khopade	Vice President, R&D, Sun Pharmaceutical Industries Limited, Vadodara	Value Added Reformulations Using Novel Technologies “Drug Life Cycle Extension or Sustainable Strategies (FDP)	15-Jul-23
Dr. Sanjay Kumar Jain	President, India Operations, Amneal Pharmaceuticals, Ahmedabad	Operational Excellence (FDP)	19-Jul-23
Dr. Love Patadiya	Founder & CEO, Soni Group of Technologies	Environmental Management and Compliance at Pharmaceutical Industry (FDP)	21-Jul-23
Dr. Mukul Jain	Head, Nonclinical Research & Development, Zydus Research Centre, Ahmedabad	Overcoming Anemia Challenges in India: A Spotlight on Desidustat (FDP)	21-Jul-23
Dr. S.K.S. Rathore	Former Chief Scientist and Head, CSIR-Advanced Materials and Processes Research Institute (CSIR-AMPRI), Bhopal	Raman Spectrometer under the Make of India	08-Dec-23
Prof. Ramesh K. Goyal	Vice Chancellor, Delhi Pharmaceutical Sciences and Research University (DPSRU), Delhi	Next-Gen sequencer to Next-Gen therapeutics (International Conference)	08-Feb-24
Dr. Manoj Nesari	Advisor, Ayurveda, Ministry of AYUSH, New Delhi	Bridging the gap for patient care: Scope & opportunities in drug development, an Ayurveda perspective (International Conference)	08-Feb-24
Dr. Mohana Krishna Reddy Mudiam	Director, Institute of Pesticide Formulation Technology, Gurugram, Haryana	Analytical strategies and metabolomics: A multidisciplinary approaches from drug development to patient care (International Conference)	07-Feb-24
Dr. Lal Hingorani	Chairman and Managing Director, Pharmanza Herbal Pvt. Ltd., Dharmaj, Gujarat	Ayurveda, nutritional supplements, phytopharmaceuticals and botanical drug development (International Conference)	07-Feb-24
Prof. Puran L. Sahu	Director & CEO (I/c) National Dope Testing Laboratory, New Delhi	Ensuring integrity in sports and medicine: The fusion of anti-doping science with NextGen therapeutics (International Conference)	09-Feb-24
Prof. Sivasankaran Ponnusankar	Professor & Head, Department of Pharmacy Practice, JSS College of Pharmacy, Ooty, Tamil Nadu	Integrating network pharmacology approaches to uncover the therapeutic potential of herbals in the management of diabetic retinopathy (International Conference)	08-Feb-24

Prof. Vandana B. Patravale	Professor, Department of Pharmaceutical Sciences and Technology, Institute of Chemical Technology, Matunga, Mumbai, Maharashtra	Non-invasive strategies for therapeutic peptide delivery (International Conference)	07-Feb-24
Prof. Pramil Tiwari	Professor and Head, Department of Pharmacy Practice, National Institute of Pharmaceutical Education and Research (NIPER), S.A.S. Nagar, Punjab	Pharmaceutical care in geriatric patients (International Conference)	09-Feb-24
Prof. Mahadev Rao	Professor, Department of Pharmacy Practice, Manipal College of Pharmaceutical Sciences, Manipal Academy of Higher Education (MAHE) Manipal	Beyond prescriptions: modernization of pharmacy practice in era of precision medicine and big data (International Conference)	08-Feb-24
Mr. Vijay Kshirsagar	Director & CEO, TRAC Pharma Consulting, Mumbai	Technology transfer challenges for new product & method (International Conference)	08-Feb-24
Dr Inder Pal Singh	Professor, Department of Natural Products, NIPER, S.A.S. Nagar, Punjab	Development of wound healing herbal formulation from sea buckthorn (International Conference)	09-Feb-24
Dr. N. Shankaraiah	Asso. Prof., Department of Medicinal Chemistry, National Institute of Pharmaceutical Education and Research (NIPER), S.A.S. Nagar, Hyderabad	Unveiling the potential of molecular hybridization: DNA-targeted cytotoxic agents in cancer drug discovery (International Conference)	09-Feb-24
Dr. Alphonsa Joseph	Head, Plasma Surface Engineering Division (PSED) & Cold Plasma Coating Application Section (CPCAS), Scientific Officer - H, Institute of Plasma Research, Gandhinagar, Gujarat	Cold plasma- A new frontier in low-temperature plasma applications for healthcare (International Conference)	08-Feb-24
Dr. Shubhra Chaturvedi	Scientist F, RNAIS-Division, Radiopharmaceutical Development, Institute of Nuclear Medicine and Allied Sciences-INMAS Laboratory of the Defense Research and Development Organisation, Timarpur	Next Gen imaging and therapy: Recent approaches for nuclear and allied imaging (International Conference)	07-Feb-24
Dr. Sivapriya Kirubakaran	Associate Professor, Discipline of Chemistry, IIT Gandhinagar, Gujarat	Studies on new class of TLK (Tousled-like kinase) inhibitors: A novel therapy for prostate cancer (International Conference)	09-Feb-24

Dr. Hemant R. Jadhav	Professor, Department of Pharmacy, BITS Pilani, Rajasthan	Blending computational studies in drug discovery: Design of dual inhibitors for Alzheimer's disease (International Conference)	08-Feb-24
Prof. Ellora Sen	Scientist F, National Brain Research Centre, Manesar, Gurgaon, Haryana	Navigating the metabolic-redox-inflammatory terrain of cancer: Cartography for therapeutics (International Conference)	08-Feb-24
Dr. Anirban Basu	Scientist VII and Professor, National Brain Research Centre, Manesar, Haryana	Drug repositioning/repurposing: Future drug developmental strategy against viral infections (International Conference)	08-Feb-24
Dr. A. Sankar Narayanan	President, Vivo Bio Tech. Ltd., Hyderabad, Telangana	Artificial intelligence in accelerating drug discovery and development (International Conference)	07-Feb-24
Dr. Pratiksha Palahe	Head, National facility for Biopharmaceuticals, Mumbai and NFB Lab, G.N. Khalsa College, Matunga, Mumbai, Maharashtra	Impact of technology 4.0 in biopharma drug development (International Conference)	07-Feb-24
Mr. Nayan Prajapati	Senior Manager & Head, Training, Cliantha Research, and Cliantha Academy, Ahmedabad, Gujarat	Enhancing clinical research through technological innovations (International Conference)	07-Feb-24
Dr. Ugir Hossain	Senior Scientific Officer, Department of Clinical & Translational Research, Chittaranjan National Cancer Institute, Kolkata, West Bengal	Sustained release of PAMAM dendrimer-drug conjugated drug delivery system against Lymphoma therapy (International Conference)	07-Feb-24
Dr. V. Badireenath Konkimalla	Associate Professor, School of Biological Sciences, DAE-National Institute of Science Education and Research (NISER), Odisha	Harnessing the potential of nanotechnology in phytochemical-loaded drug delivery system (International Conference)	08-Feb-24
Dr. Anu Uppal	Director, Scientific Affairs & Strategy, US Pharmacopeia, Hyderabad	USP perspectives on Emerging technologies for development & characterization of biosimilars (International Conference)	08-Feb-24
Mr. L Ramasamy	Director, Sotex India Pvt Ltd, Mumbai	Career Opportunities and How to Build a Career	07-Oct-23

## I CURRICULAR ASPECTS

### Initiative/Innovation in Curricular design

- Project-Based Learning (PBL) is implemented, where students work on real-world problems and projects related to their respective domains in pharmacy. This approach helps in developing critical thinking, problem-solving skills, and applying theoretical knowledge practically.
- The course learning outcomes for the PharmD third year have been developed based on the principles of Outcome-Based Education (OBE).

## II TEACHING-LEARNING AND EVALUATION

**Number of faculty completed/pursuing Ph.D:** Ms. Anjali Menon, Assistant Professor, Department of Pharmacology is pursuing PhD titled “Drug Therapy Management and Drug Information Services for the Renal Failure Patients at a Tertiary Care Hospital in Ahmedabad City, Gujarat” under the guidance of Dr. Sandipkumar P Bhatt at Kadi Sarva Vishwavidyalaya since December 14, 2019.

### **Innovation in Teaching - Learning & Evaluation**

The implementation of new set of guidelines ensures standardized procedures, enhances the depth of learning through practical application, and fosters research skills early in the students' academic journey:

1. Case-based teaching has been implemented for PharmD program students to facilitate a deeper understanding of the subject matter.
2. A research component has been introduced in Year 3 of the BPharm program, with each student being assigned a mentor/guide. Students begin developing their research proposal during Year 3, present their proposal in Semester VII as part of the practice school course evaluation, and execute and present their research findings in the final semester during the Research Project course.
3. The "Pill Pitch" concept has been initiated at the Institute of Pharmacy under the Undergraduate Research Council (UGRC). This initiative reflects institute's commitment to fostering a culture of research and innovation among our undergraduate community. Designed to address the fundamental aspects of research, it focuses on the formulation of innovative research or start-up concepts. Selected teams are granted seed money to transform their innovative ideas into practical ventures.
4. A structured form for class cancellation and replacement has been introduced to ensure uniformity and consistency across the board.

### **Exam Reforms implemented**

1. The Institute of Pharmacy has implemented e-invigilation for the semester examinations based on the amended examination guidelines of Nirma University. Answer script moderation has been introduced for all courses to ensure accuracy, consistency, and fairness in the evaluation process. This crucial step aims to enhance the reliability of grades, ensuring they accurately reflect student performance and understanding of the course material while maintaining grading integrity.
2. A guideline for conducting and assessing students' performance in Seminar/Assignment Course I & II for the MPharm program at the Institute of Pharmacy has been implemented. This guideline has been introduced to ensure uniformity in conducting, reviewing, and evaluating the Seminar/Assignment Course across all specializations of the MPharm program.
3. The weightage for the evaluation of the Practice School component has been optimized to more accurately assess real practice-based activities. The weightage for professional development activities has been removed, and the weightage for the final report submission has been increased. Since a research component has been incorporated into the course, students are now required to prepare and submit a comprehensive proposal.

### **Number of Faculty Development Programmes availed by Faculty**

- All Faculty members (Total 28) of the Institute of Pharmacy attended two weeks Faculty Development Programme (FDP) on “Integration of Sustainable Practices in Pharmaceutical

Industries and Public Health” From July 10-21, 2023 organized by Institute of Pharmacy, Nirma University.

- Dr Mithun Singh Rajput attended Five days Faculty Development Program on “Cutting Edges Technologies in Pharmaceutical Sciences” organized by IIMT College of Pharmacy, Greater Noida (27th June-1st July 2023).
- Dr. Richa Gupta, Dr. Mithun Singh Rajput, Dr Shruti Rawal, Dr Misari Patel and Dr Anjali Menon attended the 4-week Faculty Induction Programme organized by IQAC Cell, Nirma University from May 29, 2023 to June 27, 2023.
- Dr Nrupesh Patel, Dr Udit Chaube, Dr Mohit Shah attended the Academic and Creative Writing organized by DRI, Nirma University during June 19 to July 1, 2023.

### **Number of Faculty Development Programmes organized by the Institute**

**(Categories: Refresher/STTP, Induction, computer application, soft skills, pedagogy, quality):**  
**01**

- Institute of Pharmacy organized the ISTE approved two weeks Faculty Development Programme (FDP) on “Integration of Sustainable Practices in Pharmaceutical Industries and Public Health” From July 10-21, 2023. A Total 28 faculty members attended the FDP.
- A one-day seminar on scientific writing was organized for faculty, research scholars, and postgraduate students at the Institute of Pharmacy on January 6, 2023. Dr. Amit Khairnar, Senior Research Group Leader from FNUSA-ICRC, Brno, Czech Republic; Dr. Hetal Shah, Founder Director of Mewrit; and Dr. Pallav Sengupta, Assistant Professor of Physiology at the College of Medicine, Gulf Medical University, UAE, shared insights on fundamental aspects of scientific writing, essentials of biomedical publications, and the utilization of large language models in scientific writing.

### **Invited/endowment Lectures**

<b>Sr. No.</b>	<b>Name</b>	<b>Designation</b>	<b>Title of talk</b>	<b>Date</b>
1	Dr Akram Ahmad	CEO, Founder and Health Career Coach, Academically Global, Sydney, Australia	Overseas opportunities for Pharmacist and Career guidance	September 26, 2023
2	Dr. Stephen Kerr	Professor of Medicinal Chemistry, School of Pharmacy, MCPHS, USA	Medicinal Chemistry - Beta-Lactam Antibiotics	October 11, 2023
3	Dr. S.K.S. Rathore	Former Chief Scientist and Head, CSIR-Advanced Materials and Processes Research Institute (CSIR-AMPRI), Bhopal	Raman Spectrometer under the Make In India	December 08, 2023
4	Dr. L Ramasamy	Managing Director of Sotex India Pvt Ltd	Career Opportunities and How to Build a Career	October 07, 2023.

5	Dr. Amit Joharapurkar	Senior General Manager, Zydus Group	Rediscovering Drugs: Role of Innovation	October 20, 2023
6	Dr. Manoj Gadhvi	Assistant Commissioner of the Food and Drug Administration (FDA), Gandhinagar, Gujarat	Medical Device Rules, 2017- New Amendments	October 21, 2023.
7	Ms. Mahima Paliwal	Practicing Physiotherapist, Mumbai	Anxiety and Stress Management	January 02, 2024.
8	Dr. Hetal Shah	Founder Director, Mewrit	Essentials of Biomedical Publications	January 06, 2024
9	Dr. Amit Khairnar	Senior Research Group Leader from FNUSA, ICRC, Brno, Czech Republic	Basics of Medical Writing	January 06, 2024
10	Dr. Pallav Sengupta	Assistant Professor in Physiology, College of Medicine, Gulf Medical University, UAE	Publish or Perish: Are large language models Dr Jekyll or Mr. Hyde?	January 06, 2024
11	Dr. Stefano Sainas	Assistant Professor, Department of Drug Science and Technology, University of Turin, Italy	Understanding of basics of Bio/Organic Chemistry for their applications in Medicinal Chemistry	January 11, 2024
12	Prof. Marco Lolli	Associate Professor in Medicinal Chemistry, Dept. Science and Drug Technology, University of Turin (UniTO) – Italy	Merging of Organic Chemistry with Medicinal Chemistry for the Hit/Lead Discovery	January 12, 2024
13	Dr. Valentina Boscaro	Asst. Prof. in Pharmacology, Dept. of Drug Science and Technology, University of Turin, Italy	Principle of Pharmacology and Pharmacotherapeutics	January 12, 2024
14	Prof. Donatella Boschi	Professor in Medicinal Chemistry, Department of Drug Science and Technology, University of Turin, Italy	Medicinal Chemistry Approaches for Discovery of Antiviral Drugs	January 12, 2024
15	Dr. Raj Sevak	Assistant Professor, Department of Pharmacy Practice, School of Pharmacy, University of the Pacific, Stockton, California, USA	Major depressive disorder: pathophysiology, clinical assessment and therapeutic management	January 12, 2024
16	Dr. Jay R. Anand	Postdoctoral Research Associate, Department of Pathology and Laboratory Medicine, School of Medicine at University of North Carolina at Chapel Hill (UNC-CH), US	Genetic Engineering: Mastering the DNA code	January 16, 2024
17	Dr. Brijesh Srivastava	Retired GM, Medicinal Chemistry, Zydus Research Centre	The Role & Importance of Research in Drug Discovery and Development	January 18, 2024
18	Mr. Shibu Chakraborty	General Manager, Sterilization Products & Services, Salesworth Synergies LLP, Bangalore	Introduction to Sterilization Science and Industrial Applications of Biological Indicators	January 19, 2024

19	Dr. Kanan Shah	Head of Innovation and Product Development at Alphamed Pty Ltd, Sydney, Australia	Introduction and Regulations of Herbal Preparations in Australia	January 23, 2024
20	Dr. Anil Jindal	Associate Professor, BITS Pilani	Simulation modeling for absorption	February 01, 2024
21	Dr. Nina Muncherji	Chairperson - Organizational Behaviour & Communication Area, Chairperson - MBA (HRM) Programme, Institute of Management, Nirma University	Communication and presentation skills	February 03, 2024
22	Dr Kasthuri Venkateswara	Senior Research Scientist, Jet Propulsion Laboratory, California Institute of Technology, USA	Chemical Frontiers in Space: Managing the Microbial Metropolis	February 14, 2024
23	Dr. Vivek Nanda	Consultant, Emergency Medicine, KD Hospital, Ahmedabad	CPR training	February 19, 2024
24	Dr. Prathap Chandar Manivannan	Associate Professor & Head of the Department of Orthodontics and Pediatric Dentistry at the Faculty of Dentistry, MAHSA University, Malaysia	Outcome Based Education: An Overview	March 05, 2024
25	Ms. Puunnam Kaushik	Dy. Director and Chief of Corporate Affairs, Meteoric Biopharmaceuticals Pvt. Ltd., Ahmedabad	Find your Everest	March 20, 2024
26	Dr. Amit Gupta	Research Manager, RND Centre, Sun Pharmaceutical Industries Ltd., Gurgaon	Citing Literature for Formulation Design and Development: An Industrial Perspective	March 22, 2024

### III RESEARCH, CONSULTANCY AND EXTENSION

#### Patents

Sr. No.	Name of the Teacher	Patent Number	Title of the patent	Status
1	Dr. Jigar Shah	202121037885	Pulsatile Drug Delivery System of Leflunomide For the Chronotherapy of Arthritis	Granted
2	Dr Mayur Patel, Dr. Bhoomika M. Patel	201621044564	A Formulation Comprising Chitosan-Ethylcellulose Microspheres for Treatment of Inflammatory Bowel Disease	Granted
3	Dr. Priti Mehta Dr.Dipal Gandhi	201621004302	A Method for Isolation of Betulenlic Acid from The Bark of Dillenia Species	Granted
4	Dr. Mayur Patel Dr. Bhoomika M. Patel Ms. Shruti U Rawal Mr. Prateek Mathur	202221014323	An Anticancer-Drug Delivery Formulation	Published

**Design Patent**

Sr. No.	Name of the Teacher	Patent Number	Title of the patent	Status
1	Bhagawati Saxena	6302337	Painless Wearable Gadget for Monitoring Blood Glucose Level	Granted
2	Bhagawati Saxena	389104001	Automated Small Scale Soxhlet Apparatus	Granted

**Research Projects****Major Research Project funded by External Agencies:**

Financial Year	Completed		Ongoing		Sanctioned	
	Number	Amount (Rs in lacs)	Number	Amount (Rs in lacs)	Number	Amount (Rs in lacs)
2023-24	3	60.26	5	141.69	9	326.15
2022-23	2	29.66	5	112.17	3	89.77

**Minor Research Project funded by External Agencies:**

Financial Year	Completed	
	Number	Amount (Rs in lacs)
2023-24	1	3.6
2022-23	-	-

**Major Research Projects funded by Nirma University:**

Financial Year	Ongoing	
	Number	Amount (Rs in lacs)
2023-24	2	60.00
2022-23	2	60.00

**Minor Research Project funded by Nirma University:**

Financial Year	Completed/ Ongoing/ Sanctioned	
	Number	Amount (Rs in lacs)
2023-24	6	5.30
2022-23	4	6.00

**Completed Major Research Projects**

Sr. No.	Title of the Project	Project Investigator/s	Funding Agency	Grant (in Rs.)
1	Bioavailability Enhancement Through a Novel Formulation of Gamma-Oryzanol	Prof. Shital Panchal, and Prof. Charmy Kothari	A P Organics Pvt. Ltd.	11,80,000/-
2	Safety Evaluation of Novel Curcumin Complex	Prof. Shital Panchal	Probiotic Smart LLC USA	26,25,000/-
3	Development of Point of Care Nano Sensor for Diagnosis of Vitamins and Minerals	Dr. Charmy Kothari, and Dr. Shital Panchal	Department of Science & Technology	22,20,526/-
<b>Total Grant</b>				<b>60,25,526/-</b>



### Ongoing Major Research Projects

Sr. No.	Title of the Project	Project Investigator/s	Funding Agency	Grant (in Rs.)
1	Development of a Novel Synthetic Derivative for The Treatment of Diabetes Taking Tyrosine Kinase Inhibitors as a Lead	Dr. Patel Snehal Sanjaykumar, and Ghate Manjunath Madhuvobhat	Indian Council of Medical Research	46,32,400/-
2	Repositioning Doxycycline as Anti-Cancer Therapy and Exploring its Synergy with Extracellular ATP Manipulation in Breast Cancer: Pre-Clinical and Early Clinical Exploration	Dr. Shah Jigna Samir (Multi-Institutional Collaborative Project)	Gujarat State Biotechnology Mission	5,59,000/-
3	Fabrication of Valacyclovir Nanotherapeutics for Brain Targeting Through Nose to Brain Delivery: an Effective Approach for The Treatment of Alzheimer's Disease	Dr. Jigna Shah, Dr. Tejal Mehta	Gujarat State Biotechnology Mission	47,53,900/-
4	Evaluation of Chemi-Vaccine Candidate and Novel Ionic Liquid-Based Adjuvancy for Improved Efficacy Against Breast Cancer	Dr. Jigna Shah, (Multi-Institutional Collaborative Project)	Gujarat State Biotechnology Mission	8,94,000/-
5	Feasibility Study of Waste Water Treatment Using Non-Thermal Plasma	Dr. Jignasa Savjani, and Dr. Shital Butani	Board of Research in Nuclear Sciences	33,29,500/-
<b>Total Grant</b>				<b>1,41,68,800/-</b>

### Sanctioned Major Research Projects

Sr. No.	Title of the Project	Project Investigator/s	Funding Agency	Grant (in Rs.)
1	Mitigation Of Antimicrobial Resistance And Antibiotic-Induced Lmmunosuppression Using Biocompatible Lipid-Functionalized Ionic Liquid (Blil}: A Multifaceted Planetary Approach To Target-The Pathogen, The Host And The Environment	Dr. Jigna Shah	Gujarat State Biotechnology Mission	53,95,400/-
2	Modulation of the biosynthetic pathway for the enrichment of bioactive in Bacopa Monnieri using biotic elicitors	Dr. Anshu Shrivastava	Department of Biotechnology	38,84,000/-
3	Targeting Malaria Using Potent Plasmodium Falciparum Dihydroorotate Dehydrogenase (Pfdhodh) Inhibitors Based On The Fused Ring Heterocyclic Compounds	Dr. Vivek Vyas	Indian Council of Medical Research	39,78,300/-

4	Fabrication Of Anti-Egfr And Phytoconstituent Loaded Mucoadhesive Electrospun Nanofiber Mats For Improved Locoregional Therapy Of Oral Cancer	Dr. Tejal Mehta, Dr. Jigna Shah and Dr. Heena Dave	Gujarat State Biotechnology Mission	57,82,600/-
5	Hit to Lead Optimization of NCEs as selective poly (ADP-ribose) polymerase 1 inhibitors for the treatment of breast cancer	Dr. Bhumika Patel	Gujarat State Biotechnology Mission	40,75,856/-
6	Investigation Of Pathogenesis And Treatment For Leaky Gut Associated Cognitive Decline	Dr. Shital Panchal	Gujarat State Biotechnology Mission	31,86,300/-
7	Design And Development Of Anti-Cancer Heterocyclic Scaffolds As Type I Dna Topoisomerase (Topo 1) Inhibitors	Dr. Tejas Manjibhai Dhameliya	Science and Engineering Research Board	18,30,000/-
8	Microneedle Based Nanoparticulate System Of Bioactive For Treatment Of Diabetic Retinopathy	Dr. Shah Jigar Nareshkumar	Gujarat State Biotechnology Mission	24,82,600/-
9	Testing and Validation of cold Vaporized hydrogen peroxide sterilization system	Dr. Anshu Shrivastava	Pharma Lab	20,00,000/-
<b>Total Grant</b>				<b>3,26,15,056/-</b>

#### Completed Minor Research Projects

Sr. No.	Title of the Project	Project Investigator/s	Funding Agency	Grant (in Rs.)
1	Evaluation Of Anti-Inflammatory Drugs For The Treatment Of Alzheimer"s Disease	Dr. Panchal Shital Sharad	ProbioticSmart LLC USA	3,60,000/-

#### Completed Major Research Projects funded by Nirma University

Sr. No.	Title of the Project	Project Investigator/s	Funding Agency	Grant (in Rs.)
1	Exploring Heterocyclic Scaffolds as Telomerase Inhibitors for the Treatment of Cancer	Prof. Hardik Bhatt, Dr. Vivek Vyas, and Dr. Bhumika Patel	Nirma University	30,00,000/-
2	Development and Evaluation of PH Responsive Multi-Modal Delivery Platform in the Treatment of Oral Cancer	Prof. Tejal Mehta, Prof. Jigna Shah, and Prof. Heena V. Dave	Nirma University	30,00,000/-
<b>Total Grant</b>				<b>60,00,000/-</b>

#### Completed/ Ongoing/ Sanctioned Project Funded by Nirma University

Sr. No.	Title of the Project	Project Investigator/s	Funding Agency	Grant (in Rs.)
1	Formulation and Evaluation of Herbal Nano Formulation For Skin Disorder	Prof. Nagja Tripathi	Nirma University	1,00,000/-

2	Evaluation of Anti-Osteoporotic activity of Plant- Based Silica in Experimental Model of Osteoporosis	Prof. Bhagwati Saxena	Nirma University	90,000/-
3	Development and Characterization of Lipidic Formulation of An Antifungal Drug for Topical Delivery	Prof. Dhaivat Parikh	Nirma University	1,00,000/-
4	Design, Synthesis, Optimization and Biological Evaluation of Benzothiophene-2-Carboxamides as Potential Anti-Plasmodial Agents	Dr. Tejas M. Dhameliya	Nirma University	70,000/-
5	Identifying the Role of TLR/IRKs/NF-Kb in Cadmium Induced Neuroinflammation: Protective Potential of Quercetin	Dr. Richa Gupta	Nirma University	1,00,000/-
6	Valorization of Therapeutic Potential of 2- Aminoxydiphenyl Borate Through Transient Receptor Potential C1 Ion Channel Modulation in Scopolamine-induced Neurodegeneration in Rats: Implications for Tauopathy	Prof. Mithunsingh Rajput	Nirma University	70,000/-
<b>Total</b>				<b>5,30,000/-</b>

### Awards and Recognitions

Sr. No	Award/Recognition	Name of the Awardee	Name of the Awarding Agency
1	Selected among world's top 2% scientist in October 2023	Dr. Mayur Patel	Standford University
2	First Prize in Oral Presentation at the "National Conference on Natural Products/AYUSH System of Medicine," on June 20-21, 2023	Dr. Bhagwati Saxena	Indian Pharmacological Society (IPS) IUPHAR - NP, in collaboration with Ministry of AYUSH, GOI, Himachal Pradesh
3	Summer Research Fellowship - 56 days of training during June 08-July 09, 2023 and November 05-28, 2023	Dr. Tejas M. Dhameliya	NASI, 2023
4	ICMR International Travel Grant Support- to attend the "Drug Discovery and Translational Medicine 2023 (ICDDTM'23)" at Selangan, Malaysia, during 5-6 December, 2023 from ICMR.	Dr. Tejas M. Dhameliya	Indian Council of Medical Research (ICMR)
5	MDS travel award of 1000 USD to attend International Congress of Parkinson's Disease and Movement Disorders at Copenhheghan, Denmark during August 27-31, 2023	Dr. Richa Gupta	International Parkinson and Movement Disorder Society

6	ICMR International Travel Grant Support- to attend the "Drug Discovery and Translational Medicine 2023 “International Conference on Drug Discovery and Translational Medicine (ICDDTM'23)” at Selangor, Malaysia, during 5-6 December, 2023 from ICMR	Dr. Udit Cahube	Indian Council of Medical Research (ICMR)
7	JSN international travel award of 40,000JPY to attend_64th Annual Meeting of Japanese Society of Neurology at Chiba, Japan from May 31 - June 3 2023	Dr Richa Gupta	Japanese Society of Neurology, 2023
8	Funding from the Host institute (University of Doha) Invited for delivering the expert talk at International Conference on "In Silico Trends and Approaches in Drug Discovery and Development” at University of Doha for Science and Technology	Dr Bhumika Patel	University of Doha for Science and Technology in Doha, Qatar
9	DST-SERB International Grant for attending the ACS Fall 2023 National Meeting organized by the American Chemical Society from 13th to 17th August 2023 at Moscone Center, San Francisco, CA, USA	Dr Hardik Bhatt	DST SERB
10.	<b>Faculty Achievement Award (At Institute Level)</b>		
10.1	Young Research Award	Dr.Udit Chaube	Institute of Pharmacy, Nirma University
10.2	Best Researcher Award	Dr. Jigar N. Shah	
10.3	Research Paper published in Highest Impact Factor. (Scopus-indexed journal as a first author or corresponding author)	Dr. Hardik Bhatt	
10.4	Highest Number of Book Chapters published	Dr. Niyati Acharya	
10.5	Highest Research Grant received (as Principal Investigator or Co-Investigator) from external agencies	Dr. Jigna Shah	

#### **Internal Resources Generated (Consultancy, MDP/Prog. for Industries, any other)**

<b>Sr. No.</b>	<b>Name of faculty (Chief Consultant)</b>	<b>Name of Client Organization</b>	<b>Title of Consultancy of project</b>	<b>Amount (Rs.)</b>
1	Dr. Snehal Patel & Dr. Jigna Shah	Department of Chemistry, Faculty of Science, M.S. University, Baroda	Evaluation of Cytotoxic effect of polymeric formulation on HEPG2 celline	22000
2	Dr. Jigna Shah and Dr Tejal Mehta	Department of Pharmaceutics, Faculty of Science, M.S. University, Baroda	Evaluation of novel formulation for pharmacological activity	30000

3	Dr. Snehal Patel	Pellucid life sciences Pvt Ltd, Gandhinagar	Evaluation of Bacillus coagulans in animal model of castor oil induced diarrhea	29500
4	Dr. Snehal Patel	Pellucid life sciences Pvt Ltd, Gandhinagar	Toxicological evaluation of Bacillus clausii on Rats.	160000
5	Dr. Snehal Patel	Pellucid life sciences Pvt Ltd, Gandhinagar	Anxiolytic- and antidepressant-like effects of Bacillus coagulans mediate via reshaping of microbiome gut-brain axis in rats	275000
6	Dr. Niyati Acharya	NIF Gandhinagar	Antibiogram development of given plant sample	25000
<b>Total</b>				5,37,000/-

### Research Publications

1. Mehta Priti Jignesh, Arpit Bana, Nithin Sajeev, Sabyasachi Halder, Haidar Abbas Masi, Shikha Patel, "Comparative Stability Study and Aggregate Analysis of Bevacizumab Marketed Formulations Using Advanced Analytical Techniques", Heliyon, (2023), E19478, (1), 1-12
2. Dipal Gandhi, Mehta Priti Jignesh, "Comparison of Green Technology Supercritical Fluid Extraction with Conventional Extraction Technique for Betulinic Acid, A Potential Anticancer Agent, From Dillenia Indica Linn. Bark Using Experimental Design", Malaysian Journal of Medicine & Health Sciences, (2024), 20, (1), 1-10
3. Hardik Bhatt Girishkumar, Paresh Patel, Sneha Sagar, "A Search for Potential Anti-Hiv Phytoconstituents from The Natural Product Repository", Advances in Traditional Medicine, (2023), 23, (4), 953-984
4. Hardik Bhatt Girishkumar, Tejas Dhameliya, "Biannual Account of Anti-Malarial Agents Reported In 2021 And 2022: A Comprehensive Coverage", Chemistry select, (2024), 9, (10), E202303982
5. Mehta Tejal Amit, Amol Gholap, Harshad Kapare, Sakshi Pagar, Pallavi Kamandar, Deblina Bhowmik, Nikhar Vishwakarma, Sarjana Raikwar, Atul Garkal, Satish Rojekar, "Exploring Modified Chitosan-Based Gene Delivery Technologies for Therapeutic Advancements", International Journal Of Biological Macromolecules, (2024), 260, (2), 129581
6. Mehta Tejal Amit, Monika Rani, Khushali Parekh, Abdelwahab Omri, "Formulation Development and Characterization of Luliconazole Loaded-Mesoporous Silica Nanoparticles (Mcm-48) As Topical Hydrogel for The Treatment of Cutaneous Candidiasis", Journal of Drug Delivery Science and Technology, (2024), 91, (1), 105250.
7. Hardik Bhatt Girishkumar, Chirag C. Mehta, Shishir Rohit, Saumya Patel, "New Molecular Insights For 4H-1, 2, 4-Triazole Derivatives as Inhibitors of Tankyrase and Wnt-Signaling Antagonist: A Molecular Dynamics Simulation Study", Journal of Biomolecular Structure & Dynamics, (2023), 41, (22), 13496-13508

8. Mehta Tejal Amit, Kartik Hariharan, Jigna Shah, Heena Dave, Anam Sami, Abdelwahab Omri, "Localized Delivery of Erlotinib Using Liposomal Gel Formulations for The Treatment of Oral Squamous Cell Carcinoma", *International Journal of Pharmaceutics*, (2023), 642, 123144
9. Mehta Tejal Amit, Harsh Desai, Nimish Shah, "Azeotropic Dehydrative (Solution) Polycondensation of Lactic Acid to Polylactic Acid (PlA): An In-Depth Review of An Overlooked Method for Manufacturing Pla", *Polymer-Plastics Technology and Materials*, (2023), 62(11), 1394-1402
10. Mehta Tejal Amit, Atul Garkal, "Understanding Arsenic Toxicity: Implications for Environmental Exposure and Human Health", *Journal of Hazardous Materials Letters*, (2023), 4, 100090
11. Mehta Tejal Amit, Amol D Ghola, "Chitosan Scaffolds: Expanding Horizons in Biomedical Applications", *Carbohydrate Polymers*, (2023), 323, 121394.
12. Hardik Bhatt, Udit Chaube, Bhumika Patel, Rajdeep Dey, Suman Shaw, Saumya Patel, Nandan Dixit, "Designing of Target-Specific N-Substituted Tetrahydroquinoline Derivatives as Potent mTOR Inhibitors Via Integrated Structure-Guided Computational Approaches", *Chemistry Select*, (2024), 9, (7), e202303291.
13. Hardik Bhatt, Darshna M. Joshi, Jignesh Patel, "Dosage Optimization of Metformin and Oleuropein Along with Exercise in Diabetes Management", *Aip Conference Proceedings*, (2023), 2768, (1), 20001
14. Hardik Bhatt, Darshna M. Joshi, Jignesh Patel, "In Silico Study to Optimize the Dosage of Oleuropein with Metformin in Diabetes Management", *Iraqi Journal of Science*, (2023), 64, (8), 3867-3881
15. Patel Bhumika Dipen, Maiti Ritwik, Patel Nrupesh, Patel Mehul, Patel Alkesh, Dhanesha Nirav, "Antibody Drug Conjugates as Targeted Cancer Therapy: Past Development, Present Challenges and Future Opportunities", *Archives of Pharmacal Research*, (2023), 46, (Na), 361-388
16. Shah Jigna Samir, Rakesh Daude, "Protective Effect of Alpha-Cyperone in Renal Ischemia-Reperfusion Induced Acute Kidney Injury by Modulation of Metalloenzyme Expression", *Eur. Chem. Bull*, (2023), 12, (4), 5629-5643
17. Shah Jigna Samir, Ritu Soni, Amit Joharapurkar, Prashant Delvadia, "Uncovering Novel Therapeutic Targets for Parkinson's Disease", *ACS Chemical Neuroscience*, (2023), 14, (11), 1935-1949
18. Shah Jigna Samir, Pankti Patel, "Metformin Pretreatment Potentiates the Antiproliferative Action of Doxorubicin Against Breast Cancer", *Annales Pharmaceutiques Françaises*, (2023), 81, (4), 636-652
19. Patel Nrupesh Ramanbhai, Harmeet S. Khanuja, "Validation and Assessment of Stability Indicating Rp-Hplc Method for Salbutamol Sulfate in Inhalational Solution", *Nirma University Journal Of Pharmaceutical Sciences*, (2023), 10, (1), 87-94
20. Tejas M. Dhameliya, Drashtiben D. Vekariya, Heta Y. Patel, "Comprehensive Coverage on Anti-Mycobacterial Endeavour Reported In 2022", *European Journal of Medicinal Chemistry*, (2023), 255, 115409.

21. Tejas M. Dhameliya, Deepika Kathuria, Tanvi M. Patel, Bhavarth P. Dave, Amit Z. Chaudhari, Drashtiben D. Vekariya, "A Quinquennial Review on Recent Advancements and Developments in Search of Anti-Malarial Agents", *Current Topics in Medicinal Chemistry*, (2023), 23, (9), 753-790
22. Kunj Vyas, Maharshsinh Rathod, Mayur M. Patel, "Insight on Nano Drug Delivery Systems with Targeted Therapy in Treatment of Oral Cancer", *Nanomedicine: Nanotechnology, Biology and Medicine*, (2023), 49, 102662
23. Udaykumar G. Vegad, Normi D. Gajjar, Prinsa R. Nagar, Sanjay P. Chauhan, Devang J. Pandya, Tejas M. Dhameliya, "In Silico Screening, Admet Analysis and Md Simulations of Phytochemicals of *Onosma Bracteata* Wall. As Sars Cov-2 Inhibitors", *3 Biotech*, (2023), 13, 221
24. Shruti Rawal, Shubham Khot, Vivek Bora, Bhoomika Patel, Mayur M. Patel, "Surface-Modified Nanoparticles of Docetaxel for Chemotherapy of Lung Cancer: An Intravenous to Oral Switch", *International Journal of Pharmaceutics*, (2023), 636, 122846
25. Pranay Wal, Ankita Wal, Bhagawati Saxena, Shiva Mishra, Gehan M. Elossaily, Rashmi Arora, Tapan Behl, "Insights into The Innovative Approaches in Fiber Technology for Drug Delivery and Pharmaceuticals.", *Journal of Drug Delivery Science and Technology*, (2023), 87, 104877.
26. Parikh Dhaivat Chandrakant, Shah Mohit Prakash, "3d Bioprinting - Recent Advances in Tissue Regeneration", *Nirma University Journal of Pharmaceutical Sciences (NUJPS)*, (2023), 10, (1), 41-56
27. Panchal Shital Sharad, Nandeeni Parekh, "Ebola Virus Disease: A Disease with No Specific Cure", *Nirma University Journal of Pharmaceutical Sciences (NUJPS)*, (2023), 10, (1), 19-40
28. Acharya Niyati Sanjeev, A Kumaran, Anand Ganapathy, Vijayakumari A, Somappa S, "Ethnobotanical Significance of Medicinal Plants: Beta-Amyloid and Tau Aggregation Inhibitors Against Alzheimer's Disease", *Journal of Biochemical and Molecular Toxicology*, (2023), 2023; E23339, 1-30
29. Jigna S Shah, Patel Snehal Sanjaykumar, Khushboo Govind Faldu, "Celastrus Paniculatus Oil Ameliorates Nf-Kb Mediated Neuroinflammation and Synaptic Plasticity in The Scopolamine induced Cognitive Impairment Rat Model", *Metabolic Brain Disease*, (2023), 38, (4), 1405-1419
30. Shah Jigar Nareshkumar, Hiral Shah, Ab Nair, Vivek Mewada, "Design, Development, and Evaluation of Treprostinil Embedded Adhesive Transdermal Patch", *Pharmaceutics*, (2023), 15, (1226), 1-22
31. Shah Jigar Nareshkumar, Ab Nair, Shery J, "Design, Development, and Evaluation of Constant Voltage Iontophoresis for The Transungual Delivery of Efinaconazole", *Pharmaceutics*, (2023), 15, (1422), 1-22
32. Richa Gupta, "Impact of Perinatal Arsenic Exposure on Amino Acid Neurotransmitters And Bioenergetics Molecules In The Hippocampus Of Rats", *Toxicology International*, (2024), 31(1), 55-62.
33. Shah Jigna Samir, Ritu Soni, Kirti Mathur, "An Update on New-Age Potential Biomarkers for Parkinson's Disease.", *Aging Research Review*, (2024), 94, (1), 102208

34. Patel Bhumika Dipen, Yadav Ruchi, "Insights on Effects of Wnt Pathway Modulation on Insulin Signaling and Glucose Homeostasis For The Treatment Of Type 2 Diabetes Mellitus: Wnt Activation Or Wnt Inhibition?", *International Journal Of Biological Macromolecules*, (2024), 261, (1), 129634
35. Vyas Vivek Shantilal, Molisha Soni, Kartik Tulsian, Parv Barot, "Recent Advances in Therapeutic Approaches Against Ebola Virus Infection", *Recent Advances in Anti-Infective Drug Discovery*, (2024), 19, (4), 276 - 299
36. Vyas Vivek Shantilal, Pinky Gehlot, "A Patent Review of Human Dihydroorotate Dehydrogenase (hDHODH) Inhibitors as Anticancer Agents and Their Other Therapeutic Applications (1999-2022)", *Recent Patents on Anti-Cancer Drug Discovery*, (2023), 19, (3), 280 - 297
37. Vyas Vivek Shantilal, Tanvi Shukla, Manmohan Sharma, "Medicinal Chemistry Approaches for The Discovery of *Plasmodium Falciparum* Dihydroorotate Dehydrogenase Inhibitors as Antimalarial Agents", *Future Medicinal Chemistry*, (2023), 15, (14), 1295-1321
38. Vyas Vivek Shantilal, Pinky Gehlot, "Recent Advances on Patents of *Plasmodium Falciparum* Dihydroorotate Dehydrogenase (*Pf*DHODH) Inhibitors as Antimalarial Agents", *Expert Opinion on Therapeutic Patents*, (2023), 33, (9), 579-596
39. Shah Jigar Nareshkumar, Gunjan Vyas, Shery J, "Enhancement of Physicochemical and Pharmacokinetic Characteristics of Ranolazine Drug Substance Using Cocrystallization Technique", *Research Journal of Pharmacy and Technology*, (2024), 17, (1), 59-66
40. Acharya Niyati Sanjeev, Tripti Halder, Bijit Saha, Sanjeev Acharya, Namdev Dhas, "Development and Evaluation of Multi-Functionalized Sialic Acid Conjugated Asiatic Acid Nanoconstruct to Mitigate Cognitive Deficits in Alzheimer's Disease", *Drug Development Research*, (2024), 85, (1), E22146.
41. Parikh Dhaivat Chandrakant, Shah Mohit Prakash, "Challenges and Novel Approaches for The Treatment of Onychomycosis", *Nirma University Journal Of Pharmaceutical Sciences*, (2023), 10, (2), 1-14
42. Kothari Charmy Shital, Dhruv Joshi, Nrupesh Patel, "Derivatization - Based Novel Chromatographic and Spectrophotometric Methods for The Simultaneous Determination Of Gymnemic Acid And Resveratrol In Anti-Diabetic Polyherbal Formulation", *J Of Chromatographic Science*, (2023), 62, (2), 101-107
43. Saxena Bhagawati, Anjali Menon, Patel Radhika, Patel Devanshi, Khambata Bhavya, Tailor Vivek, Anshu Srivastava, "Methotrexate and Hydroxychloroquine Combination Therapy in The Treatment of Rheumatoid Arthritis Based on Clinical Disease Activity Index Score", *Nirma Univ J Pharm Sci*, (2023), 10, (2), 39-46
44. Kothari Charmy Shital, Shikha Shah, Krishna Bhalodi, Misari Patel, "A Novel Stability Indicating Mass Compatible Rp-Hplc for The Determination of Diroximel Fumarate and Its Related Impurities", *Separation Science Plus*, (2023), 7, (2), 2300171 (1-8).
45. Suman Shaw, Rajdeep Dey, Hardik Bhatt, Bhumika D Patel, Udit Chaube, "Designing of Target-Specific N-Substituted Tetrahydroquinoline Derivatives as Potent mTOR Inhibitors Via Integrated Structure-Guided Computational Approaches", *Chemistryselect*, (2024), 9, (7), 1-15



46. Ayush Patel, Krishi Patel, Viral Patel, Mithun Singh Rajput, Ravish Patel, Amarjitsing Rajput, "Nanocrystals: An Emerging Paradigm for Cancer Therapeutics", *Future Journal of Pharmaceutical Sciences*, (2024), 10, (4), 1-10
47. Mithun Singh Rajput, Viral Patel, Nilesh Prakash Nirmal, Dileep Kumar, "Editorial: Augmented Neuro-Therapy with Nanotechnology-Based Formulations: Progress, Opportunities and Challenges.", *Frontiers in Pharmacology*, (2024), 15, (1), 1376878
48. Shah Jigar Nareshkumar, Ab Nair, Hiral Shah, Vivek Mewada, "Design, Development, Evaluation And In Vivo Performance of Buccal Films Embedded with Paliperidone Loaded Nanostructured Lipid Carriers", *Pharmaceutics*, (2023), 15, (2530), 1-26
49. Shah Jigar Nareshkumar, Hiral Shah, Ab Nair, Vivek Mewada, "Enhanced Transdermal Delivery of Apremilast Loaded Ethosomes: Optimization, Characterization And In Vivo Evaluation", *Journal of Drug Delivery Science & Technology*, (2023), 91, (105211), 1-15
50. Shah Jigar Nareshkumar, Vimal Patel, "Anti-Cancer and Neuroprotective Effects of Conjugated Graphene Quantum Dot in Brain Tumor Bearing Rat Model", *Nano Express*, (2023), 4, (4), 1-24
51. Shah Jigna Samir, Rakesh Daude, "Luteolin Attenuates Diabetic Nephropathy Through Inhibition of Metalloenzymes: Molecular Dynamics (Md) Simulation and Experimental Investigation", *Asia Pacific Journal Of Tropical Biomedicine*, (2023), 12, (12), 110-119
52. Shah Jigna Samir, Rakesh Daude, "Luteolin Alleviates Renal Ischemia-Reperfusion Injury in Streptozotocin-Induced Diabetic Rats by Inhibiting Metalloenzymes Expression", *Current Issues in Pharmacy and Medical Sciences*, (2023), 36, (3), 121011
53. Anandu Chandra Khanashyam, Priyamvada Thorakkattu, Karthik Sajith Babu, Kartik Shah, Mithun Singh Rajput, Siriwan Nirmal, "Diet and Supplements in Cancer Prevention", *Cancer Screening and Prevention*, (2023), 2, (2), 138-147
54. Shah Jigar Nareshkumar, Gunjan Vyas, Shery J, "Doe Implementation for Telmisartan and Hydrochlorothiazide Drug-Drug Cocrystal Synthesis to Enhance Physicochemical and Pharmacokinetic Properties", *Journal of Applied Pharmaceutical Sciences*, (2023), 13, (9), 67-76
55. Shah Jigar Nareshkumar, Ab Nair, Shery J, "The Emerging Role of Lipid Nanosystems and Nanomicelles in Liver Diseases", *European Review of Medical and Pharmacological Sciences*, (2023), 27, (18), 8651-8680
56. Niyati Parekh, Sarthak Lakhani, Ayushi Patel, Dhyanes Oza, Bhumika Patel, Ruchi Yadav, Udit Chaube, "Discovery of Novel Camk-Ii Inhibitor for The Possible Mitigation Of Arrhythmia Through Pharmacophore Modelling, Virtual Screening, Molecular Docking, And Toxicity Prediction", *Artificial Intelligence Chemistry*, (2023), 1, (2), 1-6
57. Vyas Vivek Shantilal, Pinkey Gehlot, Sapana Bhatti, Manmohan Sharma, Naisargee Patel, Sarat Dalai, "3D-QSAR-Based Design, Synthesis and Biological Evaluation Of 2, 4-Disubstituted Quinoline Derivatives as Antimalarial Agents", *SAR and QSAR in Environmental Research*, (2023), 34, (8), 639-659
58. Vyas Vivek Shantilal, Gulamnizami Qureshi, Piyush Gediya, Pinky Gehlot, Manjunath Ghate, "3d-Qsar Assisted Design, Synthesis and Pharmacological Evaluation of Novel Substituted

- Benzamides as Procaspase-3 Activators and Anticancer Agents", *Journal of Molecular Structure*, (2023), 1286, (15), 135464
59. Vyas Vivek Shantilal, Manmohan Sharma, Shivani Patel, Manjunath Ghate, "Structure-Guided Discovery of Adenosine Triphosphate-Competitive Casein Kinase 2 Inhibitors", *Future Med. Chem.*, (2023), 15, (11), 987-1014
60. Patel Bhumika Dipen, Vishalgiri Goswami, Dhaval Patel, Shishir Rohit, Udit Chaube, "Homology Modeling, Binding Site Identification, Molecular Docking And Molecular Dynamics Simulation Study Of Emerging And Promising Drug Target of Wnt Signaling "Human Porcupine Enzyme", *Results In Chemistry*, (2024), 7, (Na), 101482-92
61. Patel Snehal Sanjaykumar, Abu Chippa Sufian, "Crispr-Cas Based Diagnostic Tools: Bringing Diagnosis Out of Labs.", *Diagnostic Microbiology and Infectious Disease*, (2024), 109, (2024), 116252
62. Patel Snehal Sanjaykumar, Vishal Chavda, "Effects of A Diabetic Microenvironment on Neurodegeneration: Special Focus on Neurological Cells", *Brain Sciences*, (2024), 14, (3), 284
63. Hetvi A. Bharadia, Jainam K. Shah, Dipen K. Sureja, Kunjan B. Bodiwala, Tejas M. Dhameliya, "Future of Environment with Carbon Allotropes", *Nirma University Journal Of Pharmaceutical Science*, (2024), 11, (1), 33-53
64. Tejas Manjibhai Dhameliya, Diya S. Patel, Deepika Kathuria, Maitri B. Shah, Akshada S. Dabhade, Hetvi S. Dave, Nidhi C. Lad, Amit Z. Chaudhari, Vivek K. Vyas, Hardik G. Bhatt, "Biannual Account of Anti-Malarial Agents Reported In 2021 And 2022: A Comprehensive Coverage", *Chemistry select*, (2024), 9, (10), e202303982
65. Tejas Manjibhai Dhameliya, Drashtiben D. Vekariya, Vaidehi N. Vaddoriya, Yesha M. Trivedi, Khushi R. Patel, Sandip P. Dholakia, "Recent Advancements and Developments Of Molecular Dynamics Simulations In The Discovery Of Anti-Protozoal Agents", *Chemistryselect*, (2024), 9, (1), e202302471
66. Sonal Pande, Chirag A. Patel, Tejas M. Dhameliya, Jayesh Beladiya, Palak Parikh, Radhika Kachhadiya, Sandip Dholakia, "Inhibition of Uridine 5'-Diphospho-Glucuronosyltransferases A10 And B7 By Vitamins: Insights from In Silico And In Vitro Studies", *In Silico Pharmacology*, (2024), 12, (1), 8.
67. Gupta, Nikita, Mitali Paryani, Snehal Patel, Aditi Bariya, Anshu Srivastava, Yashwant Pathak, and Shital Butani. "Therapeutic Strategies for Idiopathic Pulmonary Fibrosis—Thriving Present and Promising Tomorrow." *The Journal of Clinical Pharmacology* Feb (2024) 64 (7), 779-798.
68. Rathore, Vikas, Akanksha Pandey, Shruti Patel, Jignasa Savjani, Shital Butani, Heman Dave, and Sudhir Kumar Nema. "Penicillin Antibiotic (Ampicillin and Cloxacillin) Degradation Using Non-Thermal Pencil Plasma Jet." *Water, Air, & Soil Pollution* (2024), (235), (1) 44.
69. Gehlot, Pinky, Sunil Kumar, Vipin Kumar, and Vivek Kumar Vyas. "Discovery of Thiadiazoles as Human Dihydroorotate Dehydrogenase (hDHODH) Inhibitors by Combined Structure-Based Modelling Methods." *ChemistrySelect* (2024) (9) (10), e202304077.

70. Salaria, Punam, N. N. Subrahmanyeswara Rao, Tejas M. Dhameliya, and M. Amarendar Reddy. "In silico investigation of potential phytoconstituents against ligand-and voltage-gated ion channels as antiepileptic agents." 3 Biotech (2024), 14, (4) 99

### Book Published

Sr. No.	Name of the Faculty	Name of the Book	Name of Publishing House	ISBN	Year
1	Mithun Singh Rajput	Neurophytomedicine	Taylor and Francis, Crc Press	978-1-032-48593-5	2024

### Book Chapter Published

Sr. No.	Name of the Faculty	Name of the Book Chapter	Name of the Book	Name of Publishing House	ISBN	Year
1.	Mehta Tejal Amit	Current Strategies to Combat Covid-19	Viral Drug Delivery Systems: Advances in Treatment of Infectious Diseases	Springer International Publishing	978-3-031-20537-8	2023
2.	Mehta Tejal Amit	Light-Responsive Delivery Nanoplatforms in Cancer Theranostics	Site-Specific Cancer Nanotheranostics	Taylor & Francis Group	9781003368731	2023
3.	Acharya Niyati Sanjeev	Clinical Management of Cardiovascular Diseases	Current Trends in The Diagnosis and Management of Metabolic Disorders	Crc Press, Taylor and Francis	9781003384823	2023
4.	Acharya Niyati Sanjeev	Common Pathogens Involved in Metabolic Diseases	Current Trends in The Diagnosis and Management of Metabolic Disorders	Crc Press, Taylor and Francis	9781003384823	2023
5.	Acharya Niyati Sanjeev	Safety And Efficacy Determination in Functional Food and Nutraceuticals	Applications Of Functional Foods and Nutraceuticals for Chronic Disease	Crc Press, Taylor and Francis	9781003220053	2023
6.	Acharya Niyati Sanjeev	Understanding The Mechanistic Pathways Against Neurodegenerations with Focus on Ayurvedic Point of View Use of Rasayanas	Molecular Mechanisms of Action of Functional Foods And Nutraceuticals For Chronic Disease.	Crc Press, Taylor & Francis Group, Usa	9781003325642	2023
7.	Acharya Niyati Sanjeev	Phytomolecules And Novel Drug Delivery Approach For Covid-19	Viral Drug Delivery Systems: Advances in Treatment of Infectious Diseases	Springer International Publishing	978-3-031-20536-1	2023
8.	Acharya Niyati Sanjeev	Management Of Fractures Via Nutraceuticals	Nutraceuticals And Bone Health	Crc Press Apple Academic Press Co Publishing With Taylor and Francis	9781774914502	2023

9.	Kunj Vyas	Dual/Multi-Responsive Delivery Nanoplatfoms In Cancer Theranostics	Site-Specific Cancer Nanotheranostics	Crc Press	9781003368731	2023
10.	Shah Jigna Samir	Chlorogenic Acid as A Neuroprotectant: A Focus On Parkinson"s Disease	Coffee in Health and Disease Prevention	Elsevier	230928-014597	2023
11.	Shah Jigar Nareshkumar	A Siege Cancer Phototherapies by Magnetic Quantum Dots	Magnetic Quantum Dots for Bioimaging	Crc Press, Taylor & Francis	9781003319870	2023
12.	Acharya Niyati Sanjeev	Medicinal Plants, Antioxidant Potential and Applications to Aging	Role Of Herbal Medicines, Management of Lifestyle Diseases	Springer Nature Singapore Pte Ltd	978-981-99-7702-4	2024
13.	Acharya Niyati Sanjeev	Lumbar Disc Disease: An Overview	Mechanism And Genetic Susceptibility Of Neurological Disorders.	Springer, Singapore	978-981-99-9403-8	2024
14.	Saxena Bhagawati	Eugenol As Neuro-Phytomedicine. Recent Trends Pertaining to The Treatment of Neurological Disorders	Neurophytomedicine	Crc Press, Taylor & Francis Group	9781003389781	2024
15.	Patel Snehal Sanjaykumar	Type 2 Diabetes Mellitus: Novel Targets and Multitarget-Directed Phytotherapy	Antidiabetic Medicinal Plants Applications and Opportunities	Academic Press, Elsevier	978-0-323-95719-9	2024
16.	Taruna Grover	Impact Of Green Approaches in Pharmaceutical Industries	Sustainable Approaches In Pharmaceutical Sciences	Wiley Oxford UK	9781119889847	2023
17.	Kashvi C. Shah	Natural Products for Cosmeceuticals	Bioprospecting Of Natural Sources For Cosmeceuticals	Royal Society of Chemistry	9781837670468 (Print), 9781837672288 (Online)	2024

### Revenue generated in

Financial Year	Institute	Consultancy	Testing	Training	Other (Specify)
2023-2024	Pharmacy		Rs. 14,26,095.87		--
2022-2023	Pharmacy		Rs. 29,14,590.90		--

**Extension Activities/Community services by Institute: 14**

Sr. No.	Activity conducted	Date/s
1	<p><b>Bird water feeding activity</b></p> <p>A bird water feeder can be a great way to provide a source of fresh water for wild birds in the area. Birds need fresh, clean water for drinking. In line with this, volunteers from the NSS unit of the Institute of Pharmacy placed a bird water feeder at the Institute of Pharmacy, Nirma University. This initiative helps support local wildlife and offers an opportunity to appreciate these beautiful creatures.</p>	April 27, 2023
2	<p><b>Clothes Donation Drive</b></p> <p>The NSS unit of the Institute of Pharmacy conducted a Clothes Donation Drive from April 15 to April 18, 2023, on campus. Students, faculty, and non-teaching staff participated enthusiastically in this noble cause. The donated clothes were distributed to poor people near Vaishnav Devi Circle, Ahmedabad, on April 20, 2023.</p>	May 4, 2023
3	<p><b>Cleanliness Drive</b></p> <p>The NSS unit of the Institute of Pharmacy conducted a cleanliness drive on June 26, 2023, on the outskirts of the university. Student volunteers, equipped with protective gear, cleaned the area and spread awareness about maintaining cleanliness. This activity not only helped prevent infections but also fostered a positive mental and environmental impact, embodying the saying, "Cleanliness is next to godliness."</p>	June 26, 2023
4	<p><b>Drawing Competition</b></p> <p>NSS student volunteers organized a drawing competition at P R Patel Primary and B M Patel Higher Secondary School in Hirpura village, celebrating the theme "Meri Mati, Mera Desh." The enthusiastic participation of students culminated in awards for the ten best entries, highlighting the importance of cultural pride and creativity.</p>	August 19, 2023
5	<p><b>Tree Plantation Drive</b></p> <p>The NSS Volunteers zealously undertook the planting of saplings, immersing themselves in the process and even enjoying the use of agricultural equipment for the plantations.</p>	August 19, 2023
6	<p><b>Residential camp at Hirpura, Vijapur</b></p> <p>Institute of Pharmacy organized a 7-day residential camp under the aegis of NSS during 16th to 22nd December, 2023. Activities included Tree Plantation Drive, Health and Hygiene Awareness session, Cleanliness Drive, Awareness related to Alcohol and Tobacco Abuse, Sports activities and Promotion of Road Safety Awareness.</p>	December 16-22, 2023

<b>7</b>	<b>Blood donation camp</b> On January 18, 2024, a blood donation camp was conducted by the Government of Gujarat in collaboration with the Red Cross Society commemorating the birthday of Acharya Devvrat Ji, the Honorable Governor of Gujarat. NSS volunteers from the Institute of Pharmacy actively participated in this blood donation initiative.	January 18, 2024
<b>8</b>	<b>Grocery Donation Drive</b> On February 21st, 2024, the NSS Unit, Institute of Pharmacy, extended a helping hand to the underprivileged individuals in the vicinity through a grocery donation drive.	February 21, 2024
<b>9</b>	<b>Voter Awareness Drive</b> The NSS unit of the Institute of Pharmacy, arranged a voter awareness drive ahead of the elections in India. This initiative was carried out in Village Hirpura, Taluka Vijapur. During the event, NSS volunteers actively engaged in disseminating information about the significance of voting in the forthcoming election. Door-to-door campaigns for voter awareness, supplemented by posters, were conducted, acknowledging their potential to notably boost voter turnout and participation.	March 16, 2024

#### **New MoU Signed/Collaborative activities done related to MoU/tie-ups with other organization**

##### **Activities done under International MoUs:**

- Two students (Shreya Patel: 21mph312 and Shruti Patel: 21mph313) from Institute of Pharmacy, attended four weeks (June 28 to July 28, 2023) Summer Training Program at School of Pharmacy, USC Alfred E. Mann School of Pharmacy and Pharmaceutical Sciences, USA as visiting Scholars.
- Dr Marco L. Lolli, the CEO of Beenext and an Associate Professor of Medicinal Chemistry at the University of Turin, Torino, Italy, along with Professor Donatella Boschi, Dr. Stefano Sainas, and Dr. Valentina Boscaro, participated in the Erasmus Plus mobility exchange program at the Institute of Pharmacy, Nirma University. The program took place from January 7<sup>th</sup> to January 16<sup>th</sup>, 2024. Throughout this exchange, Prof. Lolli and his colleagues engaged with the Director General of Nirma University and faculty members from the Institute of Pharmacy, to strategize the implementation of a dual degree program for PhD students and explore opportunities for research collaborations. Additionally, they conducted expert lectures for B. Pharm and Pharm. D students during their visit.
- Dr. Susan Bain, Assistant Professor of Regulatory and Quality Sciences, Department of Regulatory and Quality Sciences, USC Alfred E. Mann School of Pharmacy and Pharmaceutical Sciences, University of Southern California, and Dr. Terrence Graham, Chief International Officer, Associate Dean for Graduate Education, USC Alfred E. Mann School of Pharmacy and Pharmaceutical Sciences, University of Southern California visited Institute of Pharmacy, Nirma University on 10<sup>th</sup> January 2024. Dr. Bain delivered an expert talk on “Navigating the Regulatory Landscape: A Comprehensive Overview of Clinical Trial Requirements and Regulations” to the students of F.Y. B. Pharm., and M. Pharm. (Pharmacology and Regulatory Affairs). Dr. Terrence delivered a lecture on Evolving Career Pathways in Pharmacy at USC Alfred E. Mann School of Pharmacy and Pharmaceutical Sciences, University of Southern California.

- Prof. Stephen Kerr, Assistant Provost for International Affairs, Professor of Medicinal Chemistry, School of Pharmacy, MCPHS University was invited as speaker in the NIPICON 2024 on Feb 07-09, 2024.
- Dr Marco L Lolli, Associate Professor in Medicinal Chemistry, University of Turin, Turin, Italy was invited as speaker in the NIPICON 2024 on Feb 07-09, 2024.
- Dr Ian Haworth, Associate Professor, University of Southern California, California, Los Angeles, USA was invited as speaker in the NIPICON 2024 on Feb 07-09, 2024.
- The PhD students, Mr Abu Chippa and Mr Manmohan Sharma, are on an Erasmus Plus fellowship for PhD exchange program at the Department of Drug Science and Technology, University of Turin, Italy, for nine months, starting from April to December 2024.

#### New National MoA: 05

Sr No	Organization with which MoU/MoA is signed	Year of signing MoU/MoA	Valid Until	Type of MoU / MoA
1	Pharmalab India Pvt. Ltd., Ahmedabad	1 <sup>st</sup> August, 2023	31 <sup>st</sup> July, 2028	MoA
2	Operant Pharmacy Federation, Rajasthan	24 <sup>th</sup> July, 2023	24 <sup>th</sup> July, 2026	MoA
3	Society for Pharmaceutical Dissolution Sciences- SPDS, Mumbai	7 <sup>th</sup> October, 2023	6 <sup>th</sup> October, 2024	MoA
4	SGVP Holistic Hospital, SG Highway, Ahmedabad	29 <sup>th</sup> March, 2024	28 <sup>th</sup> March, 2034	MoA
5	EPIC Hospital, Rajpath Club, SG Highway, Ahmedabad	30 <sup>th</sup> March, 2024	29 <sup>th</sup> March, 2029	MoA

#### IV INFRASTRUCTURE AND LEARNING RESOURCES

**Computer facilities added:** 52 New Computers purchased.

#### Newly Purchased Peripherals

Sr. No.	System Type	Details	Invoice date	Quantity	Cost (Rs.)
1.	EPSON Projector EB E01	For Classrooms	14/07/2023	02	66000/-
2.	PA Amplifier Trainer	For Classrooms and Seminar Hall	14/07/2023	03	69000/-
3.	JB WALL SPEAKER	For Seminar Hall & Classrooms	14/07/2023	06	90000/-
4.	Mike Cordless	For Seminar Hall and Classrooms	14/07/2023	03	7500/-
5.	Intel Core 17	For Chemistry Lab	01/09/2023	01	110330/-
6.	Monitor 8528	For Chemistry Lab	01/09/2023	01	9440/-

7.	UPS - 2200VA OFFLINE	For Chemistry Lab	01/09/2023	01	15281/-
8.	TCL LED TV 65 Inch Model Number P635 Pro	For Pharmacy practice lab	04/10/2023	01	55900/-
9.	Lenova ThinkCentre NEO30A-A10 CORE I5	For UG and PG Lab	11/12/2023	56	2742320/-
10.	EPSON Projector EB E01	For Classrooms	19/02/2024	02	64000/-

**Library - learning resources added:**

<b>Number of Books for Technical Subjects During the Year 2023-24</b>			
<b>No. of Titles &amp; Volumes Added During the Year</b>		<b>Cumulative Total No. of Titles &amp; Volumes as on 31/03/2024</b>	
<b>Title</b>	<b>Volumes</b>	<b>Title</b>	<b>Volumes</b>
68	159	3698	6080

<b>Number of Books for Science &amp; Humanities During the Year 2023-24</b>			
<b>No. of Titles &amp; Volumes Added During the Year</b>		<b>Cumulative Total No. of Titles &amp; Volumes as on 31/03/2024</b>	
<b>Title</b>	<b>Volumes</b>	<b>Title</b>	<b>Volumes</b>
17	17	2534	3895

<b>No. of Periodicals/Journals Including E-Journals During the Year 2023-24</b>		<b>Other Material Which Includes Software /CDs /Cassettes/ Other Audiovisual Materials</b>	
<b>Added during the year 2023-24</b>	<b>Cumulative Total as on 31/03/2024</b>	<b>Added during the year 2023-24</b>	<b>Cumulative Total as on 31/03/2024</b>
(0 print) (- 4 (minus four) online )	23 prints + 98 online	0	47

**Laboratory Facilities: Major Additions (Amount greater than Rs. 50,000/-)**

<b>Sr. No.</b>	<b>Equipment / Machine</b>	<b>Name of Supplier</b>	<b>Cost (Rs.)</b>	<b>Details</b>
1	Electrophoresis with Trans blot, Hand cast gels Power pac HP Laser 108a Printer	Genetix Biotech Asia Pvt Ltd	4,29,831	SP163 GSBTM Project
2	Dielectric Barrier Discharge DBD Plasma System with air and water circulation	Institute of Plasma Research	4,29,520	SP157 BRNS Project
3	Orbital Shaker with Rpm 25 to 250, Temp: 10 to 60 degree	Prexa Scientific Pvt Ltd	1, 23,900	For Postgraduate Programme practical's
4	Flame Photometer with compressor	Analytical Technologies Ltd	1,49,968	For Undergraduate Programme practical's
5	Gel Casting Assembly	Genetix Biotech Asia Ltd	56,376	For Postgraduate Programme practical's
6	Cooks Pole climbing apparatus	Orchid Scientific & Innovative India Pvt Ltd	60,480	For PharmD Programme practical's



7	Analgesic Meter	Orchid Scientific & Innovative India Pvt Ltd	97,440	For PharmD Programme practical's
8	Digital Electrocon pulsionmeter	Orchid Scientific & Innovative India Pvt Ltd	85,120	For Postgraduate Programme practical's
9	Grip strength meter	Orchid Scientific & Innovative India Pvt Ltd	2,99,376	For Postgraduate Programme practical's
10	Rotary Evaporator	Ultra-Scientific Instruments Co.	6,67,880	For Postgraduate Programme practical's
11	Orbital Shaking Incubator (BOD) Incubator	Ultra-Scientific Instruments Co.	2,03,486	For Undergraduate Programme practical's

**Civil Work in Progress/completed this year:**

- One new Pharmacy Practice lab for Pharm.D Programme was completed in 2023-2024.

**V STUDENT SUPPORT AND PROGRESSION**

**Number of students receiving government scholarship/fellowship:**

Programmes	Number of Students									
	SC		ST		OBC/ SEBC		Minority		Total	
	M	F	M	F	M	F	M	F	M	F
	B. Pharm	17	8	9	0	0	0	0	0	26
M. Pharm	8	3	1	0	0	0	0	0	9	3
<b>Total</b>	25	11	10	0	0	0	0	0	35	11

**Cut-off percentage marks – category wise:**

For B. Pharm admissions, the merit list is prepared as per the ACPC guidelines considering the 50 % weightage of Theory marks of the 12<sup>th</sup> Science Subjects and 50% weightage of the percentile of GUJCET of the respective years considered for Admission to the B. Pharm. Programme Admission 2023-24

Category	B. Pharm.		
	Rank No. of student admitted (ACPC)		
	ACPC Merit No. (First Rank)	ACPC Merit No. (Last Rank)	Institute Level Vacant Seats
	ACPC Rank	ACPC Rank	Institute Level Vacant Seats
TFWS	39	103	---
OPEN	153	1519	3894
SC	1918	2841	3103
ST	4558	12287	---
SEBC	1622	4331	1970
DS	3183	---	---
EWS	1534	1616	---

TFWS = Tuition Fee Waiver Scheme

SC = Schedule Caste

ST = Schedule Tribe

SEBC = Socially & Economically Backward Class

EWS= Economically Weaker Section

**Admission status for PharmD Programme:**

Sr. No.	HSC Board	Cut-off			
		General (Pharm.D.)		NRI Pharm.D.	
		First Admitted Merit No	Last Admitted Merit No	First Admitted Merit No	Last Admitted Merit No
1	Gujarat Board	GB005	GB049	GB002	GB005
		Marks: 236	Marks: 176	Marks: 141	Marks: 125
2	CBSE	CB001	CB029	CB004	CB005
		Marks: 201	Marks: 154	Marks: 152	Marks: 76

**Admission status for M. Pharm:**

M. Pharm. students are admitted on GPAT basis and Common Entrance Exam conducted by the Institute of Pharmacy, Nirma University for the Non-GPAT candidates.

**Cut off Rank for the admission to M. Pharm.**

Sr. No.	Name of Specialization	GPAT Qualified Candidates		Non-GPAT Candidates	
		First Admitted GPAT Rank	Cut-off (Last) GPAT Rank	First Admitted Merit No.	Cut-off (Last) Admitted Merit No.
1	Pharmaceutics	1597	13898	NG-001 Marks: 67	NG-39 Marks: 42
2	Pharmaceutical Analysis	5557	2557	NG-014 Marks: 51	NG-101 Marks: 25
3	Pharmacology	3153	24168	NG- 028 Marks: 45	NG- 086 Marks:31
4	Regulatory Affairs	8037	11337	NG-003 Marks: 62	NG- 048 Marks: 40

**Student Achievements**

Following students received felicitations on September 30, 2023, Foundation Day for their Outstanding Achievements:

Awardee Name	Award
Manmohan Sharma	Best Research Scholar of the Year
Het Ajitkumar Patel	Best NSS Volunteer of the Year
Devarsh Sutaria	Best Sportsperson of the Year
Sanskriti Rathod	Best NCC Cadet of the Year
Kartik Tulsian	Best Student of the Year in B.Pharm
Hemani Shah	Best Student of the Year in M.Pharm

**Value Added Courses**

Sr. No.	Programme and Semester	Name of the Course	No. of students enrolled
1	BPharm Sem IV -20BPH	Drug Stores Training	101
2	BPharm Sem VI-20BPH	Pharmaceutical Industry Training	102
3	BPharm Sem VII-20BPH	Soft Skills and Personality Development	110
4	MPharm Sem II-22MPH	Soft Skills and Professional Development	50

## No. of Co-curricular activities organized

### Activities organized under CCE: 05

Sr. No.	Name of the programme	Date	Name of Department	Programme Coordinator(s)
1	Workshop on Medical Writing	March 12, 2024	Pharmacology	Dr. Richa Gupta, Dr. Mithun Singh Rajput Dr. Jigna Shah
2	Workshop on Analytical Instruments	March 19, 2024	Pharmaceutical Analysis	Dr. Nrupesh Patel Dr. Hardik Bhatt Dr. Priti Mehta
3	Seminar on Nano Drug Delivery (SNDD) 2024	February 17, 2024	Pharmaceutics	Dr. Jigar Shah Dr. Tejal Mehta, Dr. Hardik Bhatt
4	Workshop on 'Computer Aided Drug Design Software	February 17, 2024	Pharmaceutical Chemistry	Dr. Tejas M. Dhamaliya Dr. Bhumika Patel Dr. Hardik Bhatt
5	A hands-on training for development and optimization of Herbal Cosmetics	November 07, 2023	Pharmacognosy	Dr. Dipal Gandhi, Dr. Niyati Acharya

### Activities under Entrepreneurship cell: 02

1. The Ideathon, conducted by the Centre for Entrepreneurship at Nirma University and IPNU, was a two-day event held on 19th and 20th April, 2023. The event was organized for the students of the Institute of Pharmacy, Nirma University, with the aim of exposing them to the world of entrepreneurship, providing them with a platform to showcase their innovative ideas, and teaching them how to generate and evaluate ideas.
2. On the eve of World Entrepreneurship Day, an expert session by CA Umang Ratani was organized by IPNU and E-cell, NU on 22nd August, 2023. CA Umang Ratani (PhD, MBA) delivered a session emphasizing the importance of entrepreneurship, sharing insights from his own experiences and career growth. He discussed the key elements essential for building a successful start-up and the skills needed for entrepreneurial success.

### Student Clubs activities

#### Drama Club

- Institute of Pharmacy students participated in the inter-institute one act play competition, and won first prize, held on 9th February, 2024.

### Youth Welfare and Cultural Activities organized

Sr. No.	Name of cultural/ youth welfare activity/event	Date	Short Description of the event
1	National Librarian's Day	August 10-16, 2023	Library, Institute of Pharmacy, celebrated National Librarian's Day in remembrance of the Professor of library science, Dr. S R Ranganathan. On this occasion, various books were displayed in the library.
2	Digital Anti-ragging Poster Competition	August 18, 2023	The event aimed to raise awareness about the importance of a ragging-free campus through creative digital art. Students participated enthusiastically,

			showcasing their talents and commitment to promoting a safe and respectful academic environment. B Pharm students, Mr. Ronil Patel (20BPH084) and Ms. Vanshika Dave (20BPH107) secured the first position and M Pharm student, Ms. Gargi Vaghela (22MPH803) secured 2 <sup>nd</sup> position in this Anti-Ragging Poster Making Competition
3	Teacher's Day Celebration	September 5, 2023	On this occasion, students of B. Pharm, M. Pharm and Ph.D enacted the role of teachers by conducting academic sessions of Pharm. D (first year), B.Pharm (Sem V and VII), and M. Pharm in the morning. In the afternoon session, the students arranged a special programme for the teaching and non-teaching staff members. Games like 'Guess the faculty', 'Actor Trademark mimicry', tongue twister etc. were organized by the students.
4	World Pharmacist Day	September 25, 2023	A counseling session on "Safety in Polypharmacy: A Geriatric Perspective" was organised by the Institute of Pharmacy as part of World Pharmacists Day at the Hiramani Old Age Home. It not only provided essential information about medication safety but also fostered a sense of empowerment among the elderly residents, enabling them to make more informed choices about their healthcare.
5	Foundation Day	September 30, 2023	The 20th Foundation Day Celebrations of the Institute of Pharmacy, marked a significant milestone in IPNU journey of academic excellence as the Institute completed its 20 glorious years of existence. The event was graced by the presence of Prof. C.G. Joshi, Director, Gujarat Biotechnology Research Centre, Gandhinagar as the esteemed Chief Guest, while Dr. Anup K Singh, Director General, Nirma University presided over the function. Various pre-events like Debate, Elocution, Extempore, Poetry recitation, Rangoli & T-Shirt painting competition and Pharma Expo were organized as a part of the celebrations.
6	Rostrum'23, Annual Cultural Festival	October 28-29, 2023	The event featured a wide array of activities, including singing, dancing, drama, AD-MAD, Mr. and Ms. Rostrum contest, Instrumental competition, Pinnacle, mime performances and mimicry. The Valedictory Function and Prize distribution ceremony of Rostrum was graced by the presence of Mirchi RJ Mit, a prominent Radio Jockey, YouTube personality and social media influencer.
7	Self Defense Workshop	February 16, 2024	A "Self-Defense Workshop" for girl students of BPharm Sem I, PharmD First Year, MPharm Sem II and PhD scholars (new entrants, 2023 batch) was organized as a part of Women Development Cell (WDC) activity. Mr. Rushiraj Jaiswal from Rushiraj Karate Kungfu Federation, Ahmedabad conducted the workshop. The workshop covered a range of topics including situational awareness, assertiveness and physical techniques for self-protection. Through interactive demonstrations and hands on practice, the attendees learned how to recognize and respond to potential threats effectively.

8	Nirmaquest, State level Quiz competition	March 19, 2024	Nirmaquest' 24 an arena of state level quiz competition for pharmacy and other disciplines was organized by Institute of Pharmacy. It was graced by Dr. Milan Satia, CEO and President, Ethicare Clinical Trial Services, Ahmedabad. A total of 47 teams participated for both the quiz A (pharmacy) and quiz B (other disciplines). In the final rounds, various questions based on buzzer for audio, video, pictogram, mega memory were conducted. Finally, three teams from each quiz were awarded with 1st, 2nd and 3rd prize of total worth of Rs. 44000/-.
9	International Women's Day Celebrations	March 20, 2024	Women Development Cell, Institute of Pharmacy, Nirma University, in association with Association of Pharmaceutical Teachers of India (APTI) Gujarat state branch, organized a Guest Lecture of Ms. Puunam Kaushik, Dy. Managing Director and Chief of Corporate Affairs, Meteoric Biopharmaceuticals Pvt. Ltd., Ahmedabad as a part of International Women's Day Celebrations. Ms. Puunam Kaushik mesmerized the audience by her inspiring and thought-provoking talk & highly interactive session on 'Find Your Everest'. Dr. Mamta Shah, Professor & Head, Pharmacognosy Dept., L. M. College of Pharmacy graced the function on behalf of APTI state branch and delivered an insightful talk on social issues faced by women.
10	Euphoria	March 30, 2024	Euphoria featured various cultural competitions such as AD-Mad, Drama, Pinnacle, Singing and Dancing. The students also bid farewell to B. Pharm and M. Pharm graduates as a part of this event.

#### No. of extra-curricular activities organized in collaboration with other agencies

Sr. No	Name of the cultural / youth welfare activity/event	Date	Organizing club/inst./ committee	Short Description of the event
1	Angdaan Mahadan – Pharmacist Day Celebration 2023	8 <sup>th</sup> September 2023	Pharmacy Council of India	The Pharmacist Day Celebrations 2023 was held on September 8th, with the theme "Angdaan Mahadan" focused on promoting organ donation organised by the Institute of Pharmacy, Nirma University in association with Pharmacy Council of India. The event was graced by distinguished guests, including Shri Dilip Deshmukh Dada, a renowned Social Worker in the fields of Environment and Education, Honourable Dr. Montu Kumar M Patel, President of the Pharmacy Council of India, and Shri Ranjit Kumar Jha, President of Mahamana Malavia Mission, Gujarat, and Director of Instacare Healthcare and Nutraceuticals.

#### Sports Activities

##### **NIRMACUP 2024: Inter-university Competition Organized by Institute of Pharmacy**

NIRMACUP 2024, a inter-University/Institute/College sports tournament was organized by the Institute of Pharmacy in collaboration with the Students Welfare Board at Nirma University. From

March 4th to March 7th, 2024, we witnessed an exhilarating display of sportsmanship as over 220 participants from 22 universities came together from the Gujarat state for a memorable event where passion, competition, and camaraderie intersected.

	Volleyball		Table Tennis		Chess	
	Male	Female	Male	Female	Male	Female
<b>Runner up</b>	Team, Nirma University, Ahmedabad	Team, GLS University, Ahmedabad	Pradyumn Singh, Institute of Technology, Nirma University, Ahmedabad	Pooja Patel, Institute of Technology, Nirma University, Ahmedabad	Chintan Trivedi, Institute of Technology, Nirma University, Ahmedabad	Pari Shah, Institute of Technology, Nirma University, Ahmedabad
<b>Winner</b>	Team, Gujarat University, Ahmedabad	Team, Nirma University, Ahmedabad	Shail Dharpale, Institute of Architecture and Planning, Nirma University, Ahmedabad	Aayushi Shah, Shah Pharmacy College, Ahmedabad	Vrandesh Parekh, Ahmedabad University, Ahmedabad	Arunika Ghosh, BVM University, Vallabh Vidyanagar

### Students' Participation Outside institute in cultural/sports activities

S. No.	Name of Student	Date	Level	Award/Result	Event
1	IPNU Team	09-11 Jan 2024	Ward Level	Runner up	Khel Mahakumbh, Kabaddi
2	Mr. Darshil Ruparelia	11-Jan-24	Ward Level	1 <sup>st</sup> position	Khel Mahakumbh Long Jump
3	IPNU Team	13-Jan-24	Ward Level	Winner	Volley ball, Khel Mahakumbh
4	Mr. Darshil Ruparelia	16-Jan-24	Zonal Level	1 <sup>st</sup> position	Khel Mahakumbh Long Jump
5	IPNU Team	24-Jan-24	Zonal Level	Winner	Khel Mahakumbh Volley ball
6	Mr. Darshil Ruparelia	10-Feb-24	Zonal Level	2nd position	GNLU Justice League Long Jump

### Performance in Sport Activities

Students of the Institute of Pharmacy participated in various Athletic and Non-athletic individual and team games organized as a part of Annual Sports Competition 2023-24 by the Students' Welfare Board, Nirma University.

The students of the Institute of Pharmacy participated in all the competitions as mentioned below:

Competition	Date	No. of IPNU Students Participated
Volleyball	Oct 19-20, 2023	23
Table Tennis (Singles)	Oct 30-31, 2023	2
Table Tennis (Doubles)	Oct 30-31, 2023	4
Table Tennis (Mixed Doubles)	Oct 30-31, 2023	2
Carrom Competition	Nov 2-3, 2023	4
Chess Competition	Nov 2-3, 2023	6

Tug of War	Nov 9, 2023	20
Football	Jan 29-30, 2024	16
Kabaddi	Feb 2, 2024	12
Kho-Kho	Feb 3, 2024	24

**Winners** - Annual Sports Competition 2023-24 organized by Nirma University:

**Individual Games**

Carom (Men)	Runner Up	Darshil Ruparelia Het Thumar
Chess (Men)	Runner-Up	Ujas Chavda

**Team Games**

<b>Competition</b>	<b>First Prize [Boys]</b>
Kabaddi	Team IPNU

**Number of students who have passed the following examinations (NET, SLETCAT, TOEFL, GRE, G-MAT, IELTS, GATE, GPAT, etc. )**

Sr. No.	Examinations	No. of Students
1	GPAT	39
2	IELTS	8
3	GMAT	01
4	TOFEL	01

**Alumni Association – activities supporting students**

**Alumni Lectures**

Alumni Members are invited to deliver Technical Expert talks as well as for Career Guidance to current students.

Sr. No.	Name of Alumni	Designation & Affiliation	Title of the Talk	Date
1	Ms. Shivangi Kaul	R & D Associate, Unilever, Mumbai	Cosmetic products: formulation development and scale up	07-Apr-2023
2	Dr. Piyush Gedia	Research Scientist, Atlas Life Sciences, Ahmedabad	Effective monitoring of organic chemistry synthesis- Hands-on-training	10-Apr-2023
3	Ms. Angana Shashtri	Senior Executive, Regulatory Affairs, Intas Pharmaceuticals Limited, Ahmedabad	Regulatory submission requirement in EU	21-Apr-2023
4	Ms. Nupur Shah	Chief Executive, Cyano Pharma Pvt. Ltd., Bhopal	Evaluation and Assessment of Skincare Products	21-Apr-2023
5	Mr. Manan Shah	Assistant Manager, Pharmacovigilance, Zydus Lifesciences Limited, Ahmedabad	Pharmacovigilance System, PSMF, QPPV and Audit	21-Apr-2023
6	Mr. Ravi Shah	Lead Quality Assurance Specialist, Cytel Inc. India, Ahmedabad	Personal Career Opportunity in Clinical and Non-Clinical Areas	26-Apr-2023

7	Dr. Hiren Khatri	Designated Partner, Tarushi Formulations LLP, Ahmedabad	Research and business opportunities in herbal products	25-Apr-2023
8	Ms. Molisha Soni	Drug Safety Executive, Fidelity Health Services, Ahmedabad	Elementary Fundamentals of Drug Discovery and Development	22-Apr-2023
9	Dr. Omkar Sherikar	Senior Executive, Regulatory ARDL (R & D), FDC Limited, Mumbai, Maharashtra	Analytical Method Validation	29-Apr-2023
10	Ms. Niayti Pandya	Senior Research Scientist (Skin Cleansing), Hindustan Unilever	Principles of formulation and building blocks of Skin care products	01-May-2023
11	Ms. Bhoomi Akhani	Executive - Project Manager, Syri Research (Gowrite Health care), UK	Role of project Management BA/BE Studies	06-May-2023
12	Ms. Rutwa Soni	Executive, International Operation Department (Europe Market), Torrent Pharmaceuticals Limited, Ahmedabad	How Lobbying Blocked European Safety Checks for Dangerous Medical Implants	06-May-2023
13	Ms. Archi Shah	Research Scholar, University of Colorado, Colombo, USA	Cardiac Cycle - Fundamentals of cardiovascular Physiology	26-May-2023
14	Dr. Nirzari Gupta	Senior Manager, Staff Fellow, Analytical Chemist, FDA, USA	Regulatory perspective on chromatographic and spectroscopic analytical techniques during a public health emergency	07-Nov- 2023
15	Ms. Urmi Vora	Pharmacovigilance Officer-Senior Executive at Wipro	AI Implications in Clinical Pharmacy	Nov 8, 2023
16	Mr. Dixit Prajapati	Quality Assurance Manager at Amneal Pharmaceuticals Limited, Ahmedabad	Aseptic Practices in Pharmaceutical Industries	Jan 08, 2024
17	Mr. Sunil Patel	Senior Research Scientist II, O2h Discovery Pvt. Ltd., Ahmedabad	Organic Synthesis in Drug Discovery	Jan 11, 2024
18	Mr. Vraj Mehta	Pharmacy Assistant in NHS Community Pharmacy, Nottingham, UK	Working in Community Pharmacy in UK	Jan 23, 2024
19	Ms. Disha Patel	Clinical Research Associate at Lambda Therapeutic and Research, Ahmedabad	BA/BE Studies in CRO	Feb 10, 2024
20	Ms. Dhvani Thakkar	Saskatchewan Health Authority, Regina, Saskatchewan, Canada	Pharmacist's Role in Prescription Handling: Canadian Pharmacy Perspective	Feb 25, 2024
21	Mr. Yash Prajapati	Practice Development Manager at Align Technology – Gujarat	Scope of Sales and Marketing in the Pharmaceutical Industry	March 14, 2024
22	Mr. Swastik Suthar	Regulatory Affairs Consultant	Regulatory aspects for the design and development of medical device	March 27, 2024
23	Mr. Rushabh Shah	Marketing Coordinator, Biotech Ortho, Ahmedabad	Tips and tricks to crack GPAT exam	March 29, 2024

#### Alumni Association (IPNUAA) Activities

IPNUAA hosted "Margdarshan" - The Career Guidance Session & Panel Discussion by the following seven alumni from USA on "Future Prospects for Pharma Profession at USA" 1st April, 2023:



Sr. No.	Name of Alumni	Designation & Affiliation
1	Jay Bhatt	Lead Digital Pathology Business Analyst, Genentech, CA, USA
2	Maitri Mehta	Senior Tech Writer, Supervisor- Labeling at Roche Molecular Systems, Branchburg, New Jersey, USA
3	Aakruti Sharma	Clinical Research Associate (CRA), University of Alabama, Birmingham, Alabama, USA
4	Khyati Ashtekar	Senior Regulatory Affairs Specialist at Medtronic, San Francisco, California, USA
5	Anjali Yadav	PhD Candidate, St. John's University, New York, USA
6	Kunj Thakkar	PharmD Scholar, MCPHS University, Worcester, MA, USA
7	Kunj Vyas	Research Scholar, Long Island University, New York, USA

### Alumni Awarded/Felicitated

Prominent alumni are awarded every year on Foundation Day Celebration (1st October). This year following 9 Alumni members from 2010 intake batch were awarded for their significant contribution in the field of Pharmacy.

Sr. No.	Roll No.	Alumni Name	Current Professional Status
1	10BPH021	Kuldeep Sarvaiya	Assistant Director, Food, Civil Supplies and Consumer Affairs (Rajkot), Govt of Gujarat
2	10BPH030	Parth Patel	CEO - West Coast Pharmaceuticals, Ahmedabad
3	10BPH034	Radhika Patel	Quality Head, West Coast Pharmaceuticals, Ahmedabad
4	10BPH047	Twisha Patel	Director, VP Global Business Development – PharmaSentinel, London, UK
5	10MPH104	Divij Shah	Sr. Manager Program Management, Piramal Pharma Limited, Ahmedabad
6	10MPH109	Dr. RakeshKumar Mishra	Associate Professor, Dept of Pharmaceutics at Dr. D.Y.Patil Institute of Pharmaceutical Sciences & Research, Pune, Maharashtra
7	10MPH206	Ravi Patel	Senior Manager, Pharmacovigilance and Medical Affairs, Alembic Pharma Ltd., Vadodara
8	10MPH305	Kartik Patel	Chief Operating Officer, Stersol, Ahmedabad
9	10MPH603	Dr. Chetan Chintha	Scientist Computational Chemistry, Digital Life Sciences, Innovation Campus Berlin (ICB), Germany

### Alumni Meet

Annual Alumni Meet is regularly organized with an open invitation to all alumni members. Additionally, Sector-specific alumni meet and city-based (location-specific) alumni meet are also organized. This year, a total of two alumni meets were organized with the following details.

Sr. No.	Type of Alumni Meet	Date of Meeting	No. of Members Attended	Venue
1	Annual Alumni Meet	06-Jan-2024	130	Nirma University
2	Baroda Chapter Alumni Meet	19-Mar-2024	27	Vadodara

### **Book Bank Facility to B. Pharm Students**

The Institute of Pharmacy Alumni Association offers a Book Bank Facility to meritorious students by providing sets of books as per the curriculum on a loan basis (free of cost) for a one-year duration. This year, a total of 5 B. Pharm students utilized the Book Bank Facility: 3 students from the 1st semester, 1 student from the 3rd semester during the odd semester, and 1 student from the 4th semester during the even semester. Additionally, GPAT preparation books are provided to GPAT aspirants. In total, 75 meritorious final-year B. Pharm students availed of the Book Bank Facility.

### **Activities of Guidance and Counselling students**

At the Institute of Pharmacy, faculty members are assigned as mentors to groups of students (mentees) after their admission. Mentors meet with their mentees twice each semester to advise and monitor their academic performance until graduation. Beyond academic guidance, mentors also counsel students on other matters and, when necessary, direct them to the appropriate department.

Regular mentor-mentee meetings provide a dedicated space to discuss career goals, challenges, and aspirations. Through guidance and support from mentors, mentees can develop a clearer roadmap for career growth. Open and honest discussions during these meetings foster self-reflection and build confidence in the mentees.

The mentor's feedback and encouragement help mentees identify their strengths and areas for development. By tackling challenges collaboratively in mentor meetings, mentees develop stronger problem-solving skills. Mentors offer different perspectives and guide mentees through brainstorming solutions, leading to more effective decision-making.

### **Placement services to students**

#### **Campus Placements**

The campus placement process is a crucial milestone for students transitioning from academia to the professional world. The rigorous selection process conducted by companies, coupled with the active support of the Placement Cell, ensures that students are well-prepared and equipped to secure suitable job offers. This process not only reflects the quality of education provided by the university but also significantly contributes to students' successful careers.

To support this transition, the institute offers comprehensive training and grooming sessions, including orientation programs and workshops on essential placement-related topics such as resume writing, group discussions, interview techniques, and interview etiquette.

#### **Comprehensive Training Programs**

- Resume Writing: Tailored workshops to help students create impactful and professional resumes.
- Group Discussions: Strategies and practice sessions to excel in group discussions.
- Interview Techniques: In-depth training on various interview formats and effective response strategies.
- Interview Etiquette: Guidance on professional conduct and presentation during interviews.

Additionally, the Placement Cell establishes and maintains relationships with various companies, inviting them to participate in campus placements. By identifying industry trends, the Placement Cell aligns the placement process with the evolving job market.

The Placement Cell also manages the logistics of the placement process, schedules interviews, and ensures a smooth experience for both companies and students.

## Placements 2023-2024

During the academic year 2023-24, Placement Cell attracted top recruiters from various sectors. Some of the prominent companies that regularly visit include:

- **Pharmaceuticals:** Amneal Pharmaceuticals Ltd, Corona Remedies Ltd, Triokaa Pharmaceuticals Ltd, HOF Pharmaceuticals Ltd, Finecure Pharmaceuticals Ltd, La Renon Healthcare Pvt Ltd, Molkem Chemicals Pvt Ltd, Sun Pharmaceuticals Ltd, Torrent Pharmaceuticals Ltd, Macleods Pharmaceuticals Ltd, Zydus Lifesciences Ltd.
- **Lifesciences and Research:** Meril Lifesciences Ltd, Meteoric Biopharmaceuticals, Anax Lifesciences Pvt Ltd.
- **Other Industries:** Marico India Pvt Ltd, RadiAnt Minds, SHAIIP, Just Herbs.

This robust engagement with industry leaders underscores the university's commitment to fostering successful careers for its students.

### Placement Summary for BPharm and MPharm 2023-2024

Program	Specialization	Enrolled	Total Placed
MPharm	Pharmaceutics	15	13
MPharm	Pharmacology	11	9
MPharm	Pharmaceutical Analysis	11	10
MPharm	Regulatory Affairs	11	9
<b>MPharm</b>	<b>Total</b>	<b>48</b>	<b>41</b>
<b>BPharm</b>	<b>Total</b>	<b>7</b>	<b>6</b>

The **Highest Package** for BPharm is Rs 3.5 LPA offered by HOF Pharmaceuticals Ltd, **Average Salary** is Rs 2.94 LPA, **Median Salary** is 2.88 LPA. The **Highest Package** for MPharm is 6.5 LPA, the **Average Salary** is 4.07 LPA, **Median Salary** is 3.6 LPA.

**103 students from BPharm opted for Higher studies** in Institutes including NIPER, NMIMS, MS University, LM College of Pharmacy, Fanshawe College, Northeastern University, Long Island University, among others

The **Role/Profile Offered to students** includes Management Trainee, Trainee – Medico Marketing, Business Development Executive, Trainee- Formulation Research & Development, Senior Process Associate, Consultant, Trainee Officer- Product Development, Product Analyst, Exeutive Trainee – Regulatory Affairs.

#### Other Placement Statistics at Glance:

- 55 students opted for placements
- 47 students are placed
- 21 Companies participated in the placement process
- Students hired in Pharmaceuticals, R&D and Manufacturing sector

#### Gender-wise Batch Statistics:

	Girls	Boys
Number of Students Placed	30	17
Students opted for Higher Studies	55	48
Students opted for Entrepreneurship	...	1

**Institute  
of  
Science**

## **Institute of Science**

### **INDEX**

<b>Sr. No</b>	<b>Particulars</b>	<b>Page</b>
<b>1</b>	<b>Outstanding Achievements and Important Activities</b>	<b>186 – 188</b>
<b>2</b>	<b>Curricular Aspects</b>	<b>188 – 189</b>
<b>3</b>	<b>Teaching-Learning and Evaluation</b>	<b>189 – 189</b>
<b>4</b>	<b>Research, Consultancy and Extension</b>	<b>189 – 197</b>
<b>5</b>	<b>Infrastructure and Learning Resources</b>	<b>197 – 197</b>
<b>6</b>	<b>Student Support and Progression</b>	<b>198 – 200</b>

## Outstanding Achievements

### Recognition

#### **Patent Granted (Patent No. 529118, Application No. 201721010096) on March 19, 2024 to the Institute of Science, Nirma University for the “Improved Chimeric IL-15”**

CD8 T cells, often called cytotoxic/killer T cells, are key players of our immune system in eliminating viruses and cancers. The efficient generation of antigen specific long-lived (memory) CD8 T cells following vaccination is critical to ensure the protection against the incoming infections. On the other hand, the CD8 T cells inside the tumor residing in helpless condition are required to get activated to kill the cancer cells. Both the issues possess challenges before the scientists and clinicians. To address these challenges and come up with reasonable solutions and affordable treatment, the immunology laboratory at the Institute of Science, Nirma University led by Prof. Sarat K. Dalai has developed a Chimeric IL-15 using the tools of genetic engineering. The patent filed for making this therapeutic biological drug was granted on March 19, 2024 by the Govt. of India. Based on the experimental evidences, this molecule will be used to treat solid tumors and also in the vaccine formulation to promote the generation of memory CD8<sup>+</sup> T cells against viruses and other intracellular pathogens.

### Important Activities

#### **a) 20<sup>th</sup> Foundation Day**

Institute of Science celebrated its 20<sup>th</sup> Foundation Day on 6<sup>th</sup> September 2023. The Chief Guest for the function was Prof. Subeer Majumdar, Director General, Gujarat Biotechnology University, Gandhinagar. Prof. Anup K Singh, Director General, Nirma University and Prof. Priti Mehta, Institute of Pharmacy, presided over the function. Prof. Sarat Dalai, Director Institute of Science delivered the welcome address. The Chief Guest inaugurated the Insectarium facility of the Institute of Science. This would be the second of its kind in the country to study and culture malarial parasites. There were four talks organized to acknowledge the young achievers. The achievers were young entrepreneurs, academicians and R & D achievers. The speakers were Dr. Harengiri Gosai, Young Faculty Achiever, Indrashil University; Mr. Niral Sarvaiya, Food Safety Officer, Food and Drug Control Authority, Gandhinagar; Mr. Yash Patel, CEO, Patel Biotech, Anand; Mr. Farhan Daila, Founder and CEO, BioQor, Mumbai and Mr. Varun Khanna, Zelle Biotech, Mumbai.

#### **b) Chandrayaan Utsav-2023**

Institute of Science organized ‘Chandrayaan Drawing’ competition as part of the Chandrayaan Utsav. This event was scheduled on the occasion of Teacher’s Day on 5th September. Two topics were given; ‘India On Moon’ and ‘What next after Chandrayaan?’ Winners include: 1<sup>st</sup> Position- Ami Johnson; 2<sup>nd</sup> Position- Srishti Biswas; 3<sup>rd</sup> Position- Tanvi Lakhani.

#### **c) CME: Immunology in Health and Diseases**

Institute of Science and Institute of Pharmacy organized a national level symposium on CME: Immunology in Health and Diseases on 22-23 February, 2024 under the aegis of the Indian Immunology Society.

The event began with the lamp lighting and Saraswati Vandana. Prof. Sarat Dalai, Director, Institute of Science and Convener, and Prof. Tejal Mehta, Deputy Director, Internal Quality Assurance Cell (IQAC), Nirma University welcomed the dignitaries and participants. Inaugural addresses were given by Dr. Taruna Madan (President, Indian Immunology Society), Dr. Sanjeev Kumar (President, R&D, Zydus Research Center, Ahmedabad) and Dr. Dinakar Salunke (Emeritus Scientist & Former Director, International Center for Genetic Engineering & Biotechnology, New Delhi). Dr. Anup K Singh,

Director General, Nirma University gave the presidential address, followed by the vote of thanks by Dr. Aarthi Sundararajan.

The series of invited lectures by eminent scientists working in the field of Immunology started with the keynote address ‘Connecting Immunology and Pharmacology’ by Dr. Dinakar Salunke (Emeritus Scientist & Former Director, International Center for Genetic Engineering & Biotechnology, New Delhi). Other eminent talks included ‘Antigens’ by Dr. Dipankar Nandi, Professor, Department of Biochemistry, Indian Institute of Science, Bangalore; ‘The Amazing World of Antibodies: Immunology and Therapeutic Applications’ by Dr. Devinder Sehgal, Scientist-VII, National Institute of Immunology, New Delhi; ‘Cytokines: Broad Spectrum Biologics’ by Dr. Taruna Madan, Scientist G, National Institute for Research in Reproductive and Child health, Mumbai; ‘Making of Monoclonal Antibodies’ by Ms. Aashini Parikh, Zydus Research Center, Ahmedabad; ‘Bridging the Innate and Adaptive Immune Functions’ by Dr. Dipyaman Ganguly, Principal Scientist, CSIR-Indian Institute of Chemical Biology, Kolkata; ‘From Viral Classrooms to Molecular Laboratories: Engineering Complement Regulators’ by Dr. Arvind Sahu, Executive Director, Regional Centre for Biotechnology, Faridabad; ‘Generation of immune diversity’ by Dr. Vineeta Bal, Professor Emeritus, Indian Institute of Science Education and Research, Pune; ‘Antigen Processing and Presentation’ by Dr. Sunil K Arora, Professor, Postgraduate Institute of Medical Education and Research, Chandigarh; ‘Unravelling the role of IL-9-producing T helper 9 cells in respiratory viral illness’ by Dr. Amit Awasthi, Senior Professor, Translational Health Science and Technology Institute, Faridabad; ‘Immunity and immunopathology to viruses’ by Dr. Sharvan Sehrawat, Associate Professor, Indian Institute of Science Education and Research, Mohali; ‘Vaccines to combat pandemic threats’ by Dr. Raghavan Varadarajan, Professor, Indian Institute of Science, Bangalore; ‘Quality in R&D’ by Dr. Samir Sangitrao, Zydus Research Center, Ahmedabad.

#### **d) Annual Cultural Festival**

Institute of Science conducted its Annual Cultural festival ‘Renaissance 2023-24’ during January 23-25, 2024. Renaissance began with literary events - Poetry, Extempore and Science fiction story writing judged by Dr BS Bini, Institute of Law and Dr Charmy Kothari, Institute of Pharmacy, both from Nirma University. The fine art events conducted included Petri Plate art, Sci-toon and Face painting. Fine arts events were judged by Dr. Foram Bhavsar, Institute of Architecture & Planning, Nirma University and Dr. Pradipta Biswas, Institute of Design, Nirma University. The dancing and singing events had solo, duet and group categories. The judges for dancing events were Ms Sudha Rani, a renowned Odissi dancer and Prof Vibha Gajjar from Institute of Architecture & Planning, Nirma University. The judges of the singing event were Ms Dhairya Mankad, a professional singer and Prof Ankur Dwivedi, Institute of Technology, Nirma University.

#### **e) National Science Day**

Institute of Science hosted National Science Day on February 28, 2024, with an insightful keynote address by Dr. Sharad Gupta, Associate Professor, IIT Gandhinagar. Dr. Gupta, the distinguished keynote speaker, delivered a thought-provoking presentation on “Our Brain: The Last Frontier of Science” explaining how brain functions and coordinates all the functions regulating the human body. The students actively engaged in a poster-making competition and a model-making competition, showcasing their creativity and scientific acumen. The event served as an excellent opportunity for students to interact with professionals and educators from the scientific community, providing them with insights into various scientific disciplines and potential career paths.

**Invited/ Endowment lectures:**

Sr. No.	Name of expert	Designation & Organisation	Date
1	Prof Yogesh Souche	Professor, School of Arts & Sciences, Azim Premji University, Bangalore	July 17, 2023
2	Prof Dr Dhaval Pujara	Director, School of Technology, PDPU, Gandhinagar	July 19, 2023
3	Dr Samarth Bhatt	Senior Scientist, Cytogenetics Department, Neuberger Supratech	July 19, 2023
4	Dr Manickam Natesan	Chief Scientist & Professor, Head, Environmental Biotechnology, CSIR-IITR, Lucknow	July 20, 2023
5	Dr Niraj Kumar Singh	Scientist-D & Joint Director, GBRC, Gandhinagar	July 20, 2023
6	Ms. Manisha Pathak	Life coach and corporate trainer, Executive team member- VOSAP, Ahmedabad	July 20, 2023
7	Dr Udaykumar Ranga	Professor (Molecular Biology and Genetics Unit), JNCASR, Bangalore	July 21, 2023
8	Dr Falguni Vasavda-Oza	Professor, Area Leader-Strategic Marketing, MICA	July 21, 2023
9	Dr S B Sareen	Professor, EDII, Gandhinagar	July 21, 2023
10	Dr Darshna Thakker	Director & Consultant Gynecologist, Sarjan Maternity	July 21, 2023
11	Dr. Subeer S. Majumdar	Director General, Gujarat Biotechnology University, Gandhinagar	September 6, 2023
12	Dr Arup Ghosh	Senior Principal Scientist & Head (Divisional Chair), Central Salt and Marine Chemicals Research Institute	November 2, 2023
13	Dr. Gayathri Pananghat	Associate Professor, Indian Institute of Science Education and Research, Pune	October 31, 2023
14	Dr. Devinder Sehgal	Associate Professor, National Institute of Immunology (NII), New Delhi	November 8, 2023
15	Dr. Swati Tiwari	Assistant Professor, JNU, New Delhi	November 8, 2023
16	Prof S. P. Singh	Former Professor & Head, Saurashtra University, Gujarat	February 16, 2024
17	Dr. Gopal Jee Gopal	Assistant Professor C.G. Bhakta Institute of Biotechnology, Surat	February 1, 2024
18	Dr. Sharad Gupta	Associate Professor, IIT Gandhinagar	February 28, 2024

**I CURRICULAR ASPECTS**

The teaching and examination scheme for M. Sc. Biochemistry, Biotechnology, and Microbiology has been revamped in view of the new NEP policy for PG programmes. The total number of credits has



been revised from the existing 100 to 80. In the current academic session, the TES of the semester I have been approved to be implemented from 2024-25.

**New Courses being offered:** 6SL105 Cell and Molecular Biology was introduced in the semester I as a core course for all three programmes.

## II TEACHING LEARNING AND EVALUATION

### Faculty completed/pursuing Ph.D.

All faculty members are PhD degree holders.

### Innovation in Teaching – learning and evaluation

**No. of faculty development programmes availed by faculty:** 02

**Dr Nasreen S Munshi** completed FDP on “NEP 2020 Orientation and Sensitization Programme” organized by UGC-Malaviya Mission Teacher Training Programme, SP University, Vallabh Vidyanagar, Gujarat during 5<sup>th</sup> February to 16<sup>th</sup> February, 2024.

**Dr. Ameer Nair** completed 5-Days virtual Faculty Development Program on “Advancements and Innovations in Cellular Communication and Signal Transduction” held from 17<sup>th</sup> to 21<sup>st</sup> July, 2023, organized by the Department of Biotechnology, Jaypee Institute of Information Technology, Noida.

## III RESEARCH, CONSULTANCY & EXTENSION

### Patent

Sr. No.	Name of the Teacher	Patent Number	Title of the patent	Status
1	Dr. Sarat Dalai Manoj Patidar	201721010096	Improved Chimeric II-I5	Granted

### Research Projects

#### Major Research Project funded by External Agencies:

Financial Year	Completed		Ongoing		Sanctioned	
	Number	Amount (Rs in lacs)	Number	Amount (Rs in lacs)	Number	Amount (Rs in lacs)
2023-24	1	48.97	8	387.29	3	239.89
2022-23	4	54.89	7	371.50	2	63.74

#### Major Research Projects funded by Nirma University:

Financial Year	Completed		Ongoing		Sanctioned	
	Number	Amount (Rs in lacs)	Number	Amount (Rs in lacs)	Number	Amount (Rs in lacs)
2023-24	-	-	1	30.0	-	-
2022-23	1	29.90	-	-	1	30.0

### Minor Research Project funded by External Agencies

Financial Year	Sanctioned / Ongoing/Completed	
	Number	Amount (Rs in lacs)
2023-24	2	4.00
2022-23	-	-

### Completed Major research Projects

Sr. No.	Title of the Project	Project Investigator/s	Funding Agency	Grant (in Rs.)
1	Development of Integrated Wastewater Treatment Systems using Alternative Innovative Approaches of Microbial Fuel Cells, Magnetic Nanoparticles and Vermicomposting with Water Hyacinth for Secondary Sludge Management	Dr. Nasreen Munshi, Dr. Chetna Chauhan, and Dr. Manisha Shah (Collaborative Project)	Gujarat State Biotechnology Mission	48,96,574/-
<b>Total Grant</b>				<b>48,96,574/-</b>

### Ongoing Major research Projects

Sr. No.	Title of the Project	Project Investigator/s	Funding Agency	Grant (in Rs.)
1	Combination of Chimeric Il-15 and Recombinant Il-12 as Immunotherapy for Lung and Colon Cancer	Dr. Sonal Bakshi, and Dr. Sarat Dalai	Gujarat State Biotechnology Mission	59,96,856/-
2	Therapeutic Targeting of Androgen Receptor as a Biomarker to Improve the Clinical Outcomes of Triple-Negative Breast Cancer	Dr. Heena V. Dave (Multi-Institutional Collaborative Project)	Gujarat State Biotechnology Mission	44,14,856/-
3	Repositioning Doxycycline as Anti-Cancer Therapy and Exploring its Synergy with Extracellular ATP Modulation in Breast Cancer: Pre-Clinical and Early Clinical Exploration	Dr. Heena V. Dave (Multi-Institutional Collaborative Project)	Gujarat State Biotechnology Mission	3,30,000/-
4	Understanding the Role of B Cells in Cross-Presentation of Plasmodium Liver-Stage Antigen(S) To Cd8+ T Cells	Dr. Sarat Dalai	Department of Biotechnology	89,36,267/-
5	Prospective Profiling of Circulating Dendritic Cell Subsets for Early Detection of Early Onset and Late Onset Pre-Eclampsia Among Pregnant Women	Dr. Aarthi Sundararajan	Science and Engineering Research Board	31,59,170/-
6	Studying the Immune Adjuvant Potential of Chimeric Il-15	Dr. Sarat Dalai	Gujarat State Biotechnology Mission	49,48,216/-
7	Engineered Bioremediation Approaches for Onsite Treatment of Soil Contaminated with Crude Oil	Dr. Nasreen Munshi (Multi-Institutional Collaborative Project)	Department of Biotechnology	77,75,700/-

8	Protein Multimerization - a Strategy to Enhance Antigen Presentation and Immune Response to Vaccine Candidate Antigens	Dr. Ravi Kant	Science and Engineering Research Board	31,68,160/-
<b>Total Grant</b>				<b>3,87,29,225/-</b>

#### Sanctioned Major research Projects

Sr. No.	Title of the Project	Project Investigator/s	Funding Agency	Grant (in Rs.)
1	Exploring The Molecular And Cellular Pathways Responsible For The Pre-Metastatic Niche To Organotropic Metastasis In Triple Negative Breast Cancer: Uncovering The Role Of Micromnas	Dr. Heena Dave	Gujarat State Biotechnology Mission	70,83,464/-
2	Studying the PRRs (TLRs) involved in maintaining the liver-stage specific memory CD8+ T cells that ensue the long-lived protection against Plasmodium infection	Dr. Sarat Dalai	Indian Council of Medical Research	1,17,00,000/-
3	Study On The Combination Therapy With Antibiotics & Anti-Virulent Agents Having Synergistic Effects And Probable Reverse Selection For Antibiotic Resistance In Vibrio Cholerae/Eskape Pathogens	Dr. Shruti Chatterjee	Gujarat State Biotechnology Mission	52,05,856/-
<b>Total Grant</b>				<b>2,39,89,326/-</b>

#### Ongoing Major research Projects funded by Nirma University

Sr. No.	Title of the Project	Project Investigator/s	Funding Agency	Grant (in Rs.)
1	Constitutional Genetic Analysis in Cases with Familial Cancer	Dr. Sonal Bakshi, and Dr. Swati Manekar (Collaborative Project)	Nirma University	30,00,000/-
<b>Total Grant</b>				<b>30,00,000/-</b>

#### Ongoing /Sanctioned Minor research Projects funded by Nirma University

Sr. No.	Title of the Project	Project Investigator/s	Funding Agency	Grant (in Rs.)
1	Oligomerization- a strategy to enhance the immunogenicity of protein antigens	Prof. Ravi Kant	Nirma University	2,00,000/-
2	Screening of Antimicrobial Resistant Strains from Water and Street Food Resources of Ahmedabad.	Dr. Shruti Chaterjee	Nirma University	2,00,000/-
<b>Total Grant</b>				<b>4,00,000/-</b>

## Research Publications

1. Ankit Singh, Gopal Bhojani, Shruti Chatterjee, Ramavtar Meena, "Seaweed Polysaccharides-Based Gel To Contest Foot Odour", *Macromolecular Research*, (2023), 31, 781-793.
2. Saurabh Yadav, Amrita Singh, Ravi Kant, Avadhesh Surolia, "TLR4 Activation By Lysozyme Induces Pain Without Inflammation", *Frontiers In Immunology*, (2023), 14, 1065226.
3. Kartik Hariharan, Tejal Shah, Jigna Shah, Heena Dave, Anam Sami, Abdelwahab Omri, "Localized Delivery Of Erlotinib Using Liposomal Gel Formulations For The Treatment Of Oral Squamous Cell Carcinoma", *International Journal Of Pharmaceutics*, (2023), 642, 123144.
4. Shristi Biswas, Swati Manekar, Sonal Rajiv Bakshi, "A Case Study On PPM1D And 9 Other Shared Germline Alterations In A Family", *Asian Pacific Journal Of Cancer Prevention*, (2023), 24, (6), 2129-2134.
5. Dhriti P. Shah, Madhavi Joshi, Urja Shedaliya, Ameer Krishnakumar Nair, "Recurrent Hypoglycemia Dampens Functional Regulation Mediated Via Neurexin-1, Neuroligin-2 And Mint-1 Docking Proteins: Intensified Complications During Diabetes", *Cellular Signalling*, (2023), 104, 110582.
6. Visha Rathod, Khyati Rathod, Rukam S. Tomar, Ritisha Tatamiya, Rasmieh Hamid, Feba Jacob, Nasreen Shakil Munshi, "Metabolic Profiles Of Peanut (*Arachis Hypogaea* L.) In Response To *Puccinia Arachidis* Fungal Infection", *BMC Genomics*, (2023), 24, (1), 630.
7. Nasreen S. Munshi, Hinal Mehta, Aarushi Sachdeva, Jinal Bhavsar, "Exploring The Potential Of Genetically Engineered Whole-Cell Biosensors: A Step Towards Device Development For Environmental Monitoring", *Journal Of Microbial And Biochemical Technology*, (2023), 15, (3), 1000558.
8. Guneshwari Yerulker, Priya Patel, Aayushi Chafale, Visha Rathod, Sandeep Das, Piyush Pandey, Noor Afshan Khan, Arundhuti Devi, Nasreen S. Munshi, Rita Dhodapkar, Atya Kapley, "Comparative Assessment Of Soil Microbial Community In Crude Oil Contaminated Sites", *Environmental Pollution*, (2023), 328, 121578.
9. Sriram Seshadri, "Carnitine: An Ideal Physiological Marker Or A Novel Neurotransmitter", *Indicus Zoologica*, (2023), 1, (1), 13-20.
10. Gemini Gajera, Nidhi Thakkar, Chhaya Godse, Anselm DeSouza, Dilip Mehta, Vijay Kothari, "Sub-Lethal Concentration Of A Colloidal Nanosilver Formulation (Silversol®) Triggers Dysregulation Of Iron Homeostasis And Nitrogen Metabolism In Multidrug Resistant *Pseudomonas Aeruginosa*", *BMC Microbiology*, (2023), 23, (1), 303.
11. Gemini Gajera, Niel Henriksen, Bryan Cox, Vijay Kothari, "Identification Of Anti-Pathogenic Activity Among In Silico Predicted Small-Molecule Inhibitors Of *Pseudomonas Aeruginosa* LasR Or Nitric Oxide Reductase (NOR)", *Drug Target Insights*, (2023), 17, 101-109.
12. Gemini Gajera, Chhaya Godse, Anselm DeSouza, Dilip Mehta, Vijay Kothari, "Potent Anthelmintic Activity Of A Colloidal Nano-Silver Formulation (Silversol®) Against The Model Worm *Caenorhabditis Elegans*", *BMC Research Notes*, (2023), 16, (1), 130.

13. Feny J. Ruparel, Siddhi K. Shah, Jhanvi H. Patel, Nidhi R. Thakkar, Gemini N. Gajera, Vijay O. Kothari, "Network Analysis For Identifying Potential Anti-Virulence Targets From Whole Transcriptome Of Pseudomonas Aeruginosa And Staphylococcus Aureus Exposed To Certain Anti-Pathogenic Polyherbal Formulations", *Drug Target Insights*, (2023), 17, 58-69.
14. Shailja Verma, Sanjay Joshi, Vijay Kothari, Sriram Seshadri, "Anti-Proliferative And Apoptotic Potential Of Ferula Asafoetida's Essential Oil On Colon Cancer Via Inhibiting NF-kB And TNF-Alpha Receptors Pathway", *Iranian J Colorectal Research*, (2023), 11, (1), 15-21.
15. Devanshi Sharma, Devanshi Gajjar, Sriram Seshadri, "Understanding The Role Of Gut Microfloral Bifidobacterium In Cancer And Its Potential Therapeutic Applications", *Microbiome Research Reports*, (2024), 3, (1), 3.
16. Tarun Gupta, Sriram Seshadri, "Charge Variants Of Proposed Biosimilar To Omalizumab: Isolation, Purification And Analysis By HPLC", *Annales Pharmaceutiques Françaises*, (2024), 82, (1), 64-71.
17. Tarun Gupta, Sriram Seshadri, "Highly Purified Charge Variants Of A Proposed Biosimilar To Omalizumab: Impact On In-Vitro Potency And Stability Under Thermal Stress", *Bioprocess And Biosystems Engineering*, (2024), 47, 57-64.
18. Zeel Bhatia, Sunny Kumar, Sriram Seshadri, "Composition And Interaction Of Maternal Microbiota With Immune Mediators During Pregnancy And Their Outcome: A Narrative Review", *Life Sciences*, (2024), 340, 122440.
19. Tarun Gupta, Anuj Kumar, Sriram Seshadri, "Bioprocess Challenges In Purification Of Therapeutic Protein Charge Variants", *Biotechnology and Bioprocess Engineering*, (2023), 28, 493-506.
20. Gemini Gajera, Snehal Funde, Hanmanthrao Palep, Vijay Kothari, "Duration Of Fermentation Affects Microbiome Composition And Biological Activity Of An Indian Traditional Medicine Formulation – Panchagavya", *Journal of Ayurveda and Integrative Medicine*, (2024), 15, 100880.
21. Nikunj Tandel, Digna Patel, Mansi Thakkar, Jagrut Shah, Rajeev K. Tyagi\*, Sarat K. Dalai, "Poly(I:C) And R848 Ligands Show Better Adjuvanticity To Induce B And T Cell Responses Against The Antigen(S)", *Heliyon*, (2024), 10, (5), e26887.
22. Naveen Challagundla, Dhruvi Shah, Sarat K. Dalai , Reena Agrawal-Rajput, "IFN $\gamma$  Insufficiency During Mouse Intra-Vaginal Chlamydia trachomatis Infection Exacerbates Alternative Activation In Macrophages With Compromised CD40 Functions", *International Immunopharmacology*, (2024), 131, 111821.
23. Naveen Yadav, Hardik Patel, Rajesh Parmar, Manoj Patidar, Sarat K. Dalai, "TCR-Signals Downstream Adversely Correlate With The Survival Signals Of Memory CD8+ T Cells Under Homeostasis", *Immunobiology*, 228, (3), 152354.
24. V.K. Vyas, S. Bhati, M. Sharma, P. Gehlot, N. Patel, S. Dalai, "3D-QSAR-Based Design, Synthesis And Biological Evaluation Of 2,4-Disubstituted Quinoline Derivatives As Antimalarial Agents", *SAR and QSAR in Environmental Research*, (2023), 34, (8), 639-659.

## Book Publications

Sr. No.	Name of the Faculty	Name of the Book	Name of Publishing House	ISBN	Year
1	Kothari Vijay Omprakash	Probiotics, Prebiotics, Synbiotics, and Postbiotics: Human Microbiome and Human Health	Springer Nature	978-981-99-1462-3	2023

## Book Chapters Published

Sr. No.	Name of the Faculty	Name of the Book Chapter	Name of the Book	Name of Publishing House	ISBN	Year
1	Shruti Chatterjee	Pathogenic Microbial Genetic Diversity with Reference to Significant Medical and Public Health	Microbial Diversity in The Genomic Era	Elsevier	0944-1344	2023
2	Nair Ameer Krishnakumar	Tunable Biopolymers	Handbook of Biopolymers	Springer Nature Singapore Pte Ltd.	978-981-19-0709-8	2023
3	Nair Ameer Krishnakumar	Science and Technology of Collagen	Handbook of Biomass	Springer	978-981-19-6772-6	2023
4	S. Shriram V. Seshadri	Mapping the Microbial Metabolites in Metabolic Disorder with Special Reference to Type-2 Diabetes	Probiotics, Prebiotics, Synbiotics, and Postbiotics: Human Microbiome and Human Health	Springer Nature	978-981-99-1462-3	2023
5	S. Shriram V. Seshadri	Exploring the Unexplored Arena: Butyrate as a Dual Communicator in Gut–Brain Axis	Probiotics, Prebiotics, Synbiotics, and Postbiotics: Human Microbiome and Human Health	Springer Nature	978-981-99-1462-3	2023
6	Kothari Vijay Omprakash	Methods used For Studying Human Microbiome	Probiotics, Prebiotics, Synbiotics, and Postbiotics: Human Microbiome and Human Health	Springer Nature	978-981-99-1462-3	2023
7	Kothari Vijay Omprakash	Characterization and Authentication of Probiotic Preparations	Probiotics, Prebiotics, Synbiotics, and Postbiotics: Human Microbiome and Human Health	Springer Nature	978-981-99-1462-3	2023

## **Faculty participate in national/international conference**

### **International**

**Dr. Heena Dave** was awarded the Best Abstract award for Oral Presentation at the International Conference on Drug Discovery and Translational Medicine 2023 (ICDDTM'23) for her paper titled 'Uncovering the Potential of Androgen Receptor as A Therapeutic Biomarker for Triple Negative Breast Cancers' during December 5-6, 2023, at the Mines Beach Resort in Mines Wellness City, Seri Kembangan, Selangor, Malaysia.

**Prof. Sarat Dalai** delivered an invited talk "IL-15: A Potential Biologics for Improved T cell Generation and Immunotherapy of Cancer" at the International Conference on SPEED (Scientific Progress in Environmental and Economic Development) organised by University School of Sciences, Gujarat University, Ahmedabad on Feb 29, 2024.

**Dr. Sonal R. Bakshi** delivered an invited talk on "Familial Cancer & Scope for Germline Genetic Analysis: Need for Indian Data" at the International conference "Microbial Odyssey: Converging Science, Technology and Industry" organized by the Department of Microbiology, M.S. University of Baroda, Vadodara during 28-29 December, 2023.

### **National**

**Prof. Sarat Dalai** delivered an invited talk Plasmodium berghei radiation-attenuated sporozoite-immunized mice require challenge to maintain protective immunity, on October 6, 2023 at 50<sup>th</sup> Annual Conference of Indian Immunology Society (Immunocon-2023) organized by the AIIMS, New Delhi.

**Dr. Sonal R. Bakshi** was invited as a Speaker for Molecular Oncology Workshop on 14th July, 2023 by The Cancer Research & Statistics Foundation, Mumbai. She delivered a talk on "PPM1D and other germline alterations in a familial lung cancer".

**Dr. Vijay Kothari** delivered an invited talk on 'Incompatible Validation Protocols are Bound to Invalidate Our Traditional Wisdom' at the Third Homeopathy Vijnana Sammelan jointly organized by Global Homeopathy Foundation, Vijnan Bharati, and Innovative Thought Forum, at Ahmedabad Management Association (AMA), Ahmedabad on September 24, 2023.

**Dr. Nasreen S Munshi** delivered an invited lecture on "Insights on plastic degrading bacteria" in a series of seminar on "Prevention and minimization of plastic waste" organized by Silver Oak University, Ahmedabad on 10<sup>th</sup> January, 2024.

## **Awards and Recognition**

### **Faculty Awards**

**Prof. Sarat K. Dalai**, Director of the Institute of Science was awarded with the Best Senior Immunology Teacher Award 2023 by the Polyfeenolix-IIS (Indian Immunology Society) on Oct. 7, 2023 on the occasion of Golden Jubilee Celebration of IIS (Immunocon-50) at AIIMS, New Delhi.

**Dr. Sriram Seshadri** was elected as Fellow of Association of Researchers and Academicians India (FARAI).

**Dr. Sriram Seshadri** was elected as Fellow of International Congress of Entomology and Zoology Studies (FICEZS) for the contribution in the field of Biochemistry.

**Dr. Sriram Seshadri** was awarded Aryabhata Award, 2023 in recognition of his outstanding and exemplary professional and research achievements in the field of Zoology by Association of Researchers and Academicians India.

**Dr. Vijay Kothari** was awarded free membership of the American Society for Microbiology (Global Outreach Membership) for the second consecutive year, valid till Dec 2024.

**Dr. Heena Dave** was awarded the Best Abstract award for Oral Presentation at the International Conference on Drug Discovery and Translational Medicine 2023 (ICDDTM'23) for her paper titled 'Uncovering the Potential of Androgen Receptor as A Therapeutic Biomarker for Triple Negative Breast Cancers' during December 5-6, 2023, at the Mines Beach Resort in Mines Wellness City, Seri Kembangan, Selangor, Malaysia.

### **Students Awards and Achievements**

**Ms. Nidhi Thakkar**, (Ph.D. student) secured first prize for oral presentation (Emerging Scientist) at the "National conference on Antimicrobial Resistance Trends, Environmental Microbiology, and Industrial Solutions (ARTEMIS)" held from March 21-22, 2024 at the Institute of Advanced Research, Gandhinagar. Her presentation was titled "Identifying potential anti-virulence targets through network analysis of the whole transcriptome of *Pseudomonas aeruginosa* and *Staphylococcus aureus* exposed to certain anti-pathogenic polyherbal formulations".

**Deepshikha Rathore**, (PhD student) received a travel grant from the Indian Association for Cancer Research for the poster presentation on "Unearthing Novel MicroRNAs Addressing Bone Metastasis in Breast Cancer Patients" at the 43rd Annual Conference of the Indian Association for Cancer Research, organised by the Indian Institute of Science Education and Research, Pune, India, held between 19 to 22 January, 2024.

**Nandini Dharwal**, (PhD student) presented a poster on "Unveiling the Breast Cancer Resistance Mechanism: Exploring Biomarkers Associated with CDK4/6 Inhibitor Resistance" during the 48th Annual Meeting and international conference of the Indian Society of Human Genetics (ISHG) 2024 during 21st to 24th January, 2024, organized by Institute of Human Genetics (IHG) at Ahmedabad Management Association, Ahmedabad.

### **Linkages with National/ International Academic/ Research Bodies**

The main purpose of these linkages is to build up a strong research group and to submit joint project proposals for external funding.

1. THSTI, Faridabad
2. Jawaharlal Nehru University (JNU) New Delhi
3. All India Institute of Medical Sciences, New Delhi
4. National Institute of Immunology (NII) New Delhi
5. Indian Institute of Science (IISc) Bangalore
6. SGPGI Lucknow
7. Maharaja Sayajirao University (MSU) Baroda
8. University of Kolkata, Kolkata
9. Indian Institute of Advanced Research (IIAR), Gandhinagar
10. Gujarat State Biotechnology Mission (GSBTM), Gandhinagar
11. National Institute of Public Health, Gandhinagar
12. Forensic Science Laboratory (FSL) Gandhinagar
13. Gujarat Cancer Research Institute (GCRI), Ahmedabad
14. Department of Nanoscience, Central University of Gujarat



15. Supratech Genopath laboratory, Ahmedabad
16. AGILE lab, New Delhi
17. GPS bio, Hyderabad
18. Unipath Laboratory, Ahmedabad
19. Atomwise Inc., USA
20. Dr. Palep Medical Education and Research Foundation, Mumbai
21. Pharmanza Herbals, Anand
22. GMERS Medical College & Civil Hospital, Gandhinagar
23. CSIR-CSMCRI, Bhavnagar
24. CSIR-IMTECH, Chandigarh
25. CSIR- National Environmental Engineering Research Institute (NEERI), Nagpur
26. Assam University, Silchar, Assam
27. CSIR-National Institute of Oceanography (NIO), Goa
28. CSIR-Indian Institute of Toxicological Research (IITR), Lucknow
29. Institute of Advanced Study in Science & Technology (IASST), Assam
30. IIT Bombay, Mumbai
31. IIT Delhi, New Delhi
32. The Energy and Resources Institute (TERI), New Delhi
33. Kadi Sarva Vishwavidyalaya, Kadi
34. Department of Biosciences, Veer Narmad South Gujarat University, Surat
35. Department of Zoology, School of Sciences, Gujarat University, Ahmedabad

#### IV INFRASTRUCTURE AND LEARNING RESOURCES

##### Library – Learning Resources added

Sr. No.	Resources	Number
1	Books (Volumes)	58 Volumes added (Total Volume 2,730)
2	Books (Titles)	51 titles added (Total Title 2,359)
3	Print Periodicals	1 Print periodical cancelled from the publisher site. (Total print periodicals 3)
4	E-journals	547 E - Journals added (Total E - Journals 554)
5	Newspapers	Total Newspaper 5
6	Electronic Media (CD-ROMs)	Total CD ROMs 104
7	Photo Albums	Total Photo Album 28
8	Project Reports	Total Project Report 413
9	Bound Volumes	Total Bound Volume 408

##### Laboratory facilities – Major additions

S. No.	Name of Equipment	Funding Agency	Amount (In Rupees)
1	CO <sub>2</sub> Incubator	ISNU Budget	7,49,300/-
2	Worm Tracker	ISNU Budget	6,70,000/-
3	Laboratory centrifuge.	ISNU Budget	47,082/-
4	Autoclave (Portable)	ISNU Budget	48,970/-
5	-20 C Deep Freezer	GSBTM Project	33,500/-
6	Gradient PCR	ISNU Budget	3,50,460/-
7	Reverse Osmosis System -Intello 25 LPH.	ISNU Budget	37,348/-
8	Inverted Fluorescence Microscope.	DST- SERB	5,88,999/-
9	Industrial Humidifier	ISNU Budget	25,449/-

## V STUDENTS SUPPORT AND PROGRESSION

No. of students receiving government scholarship / fellowship: Two

### Admission details with cut-off percentage marks – category-wise

Name of the programme	No. of applicants	Cut off (NU Entrance)		No. of students admitted
		First	Last	
MSc in Biotechnology	229	01	122	50
MSc in Biochemistry		09	139	11
MSc in Microbiology		12	138	31

### Students Achievements

**Ms. Gemini Gajera** made an oral presentation on Duration of fermentation affects microbiome composition and biological activity of an Indian traditional medicine formulation-Panchagavya. National conference on Antimicrobial Resistance Trends, Environmental Microbiology, and Industrial Solutions (ARTEMIS)” held from March 21-22, 2024 at the Institute of Advanced Research, Gandhinagar.

**Ms. Kavya Thanki** attended the workshop “Single Cell Transcriptomics with BCR/TCR profiling using 10 X Genomics Platform” organised by DBT - Institute of Life Sciences, Bhubaneswar from 28th - 31st August, 2023.

**Ms. Mansi Ahuja** presented a poster “Generation of CD8 T cell Response Through immunization with protein Antigen” at the Golden Jubilee Conference of The Indian Immunology Society (IMMUNOCON 50), held from 5th to 8th October, 2023 in AIIMS, New Delhi.

**Ms. Himali Patel** presented a poster titled "Potential of Chimeric IL-15 in Prevention Of Cancer" at the Golden Jubilee Conference of The Indian Immunology Society (IMMUNOCON 50) held from 5th- 8th October, 2023 in AIIMS, New Delhi.

**Ms. Jennifer Tellis**, Shristi Biswas, Swati Manekar, Maitri Jain, Shehnaz Kantharia, Sonal Bakshi presented a poster titled ‘Scope of a National Familial Cancer Registry in India’ at the 8th annual conference of the Society for Indian Academy of Medical Genetics (SIAMGCON 2023), December 1-3, 2023 hosted by Sir Gangaram Hospital, New Delhi.

**Ms. Shristi Biswas**, Ms. Jennifer Tellis, Swati Manekar, Shehnaz Kantharia, Sonal Bakshi presented a poster titled ‘Uncovering novel germline alterations in Familial cancer cases from Gujarat using Whole Exome Sequencing: Insights into genetic predisposition’ at the 8th annual conference of the Society for Indian Academy of Medical Genetics (SIAMGCON 2023) from 1st – 3rd December, 2023 hosted by Sir Gangaram Hospital, New Delhi.

**Gajera G**, Henriksen N, Cox B, Kothari V presented a poster titled Identification of anti-pathogenic activity among in silico predicted small molecule inhibitors of *Pseudomonas aeruginosa* LasR or Nitric Oxide Reductase (NOR) at the 92nd Annual Meet of The Society of Biological Chemists on Dec 18-20, 2023 at BITS Pilani, Goa.

**Thakkar N**, Kothari V presented a poster titled Identifying potential anti-virulence targets through network analysis of whole transcriptome of *Pseudomonas aeruginosa* and *Staphylococcus aureus* exposed to certain anti-pathogenic polyherbal formulations at the 92nd Annual Meet of The Society of Biological Chemists on Dec 18-20, 2023 at BITS Pilani, Goa.

**Ms. Vidhi Vaidya** gave an oral presentation at IMMUNOCON, on 7th October, 2023. The conference was conducted by the Indian Immunology Society at AIIMS, New Delhi. Talk title: Association of plasma interferon-alpha with hypertension in pregnant women during the first stage of labour.

**Ghoghari Niharika**, Kant Ravi presented a poster titled RNA chaperon Hfq represses Mineral Phosphate Solubilization in *Acinetobacter sp.* SK2. 92nd Annual Meet of The Society of Biological Chemists, Dec 18-20, 2023, BITS Pilani, Goa.

**Ms. Sushmita Deshmukh** attended a National Workshop on Statistical Methods in Biomedical Research held at ICMR-National Institute of Occupational Health, Ahmedabad (In Collaboration with the National Institute of Medical Statistics, New Delhi, (01-03 Nov, 2023).

**Ms. Kavya Thanki** attended a Hands-on workshop on Single Cell Transcriptomics with BCR/TCR profiling using 10X Genomics platform held at DBT-Institute of Life Sciences, Bhubaneswar, Odisha (28<sup>th</sup>-31<sup>st</sup> August, 2023).

**Ms. Kavya Thanki** attended a Hands-on workshop on Integrated OMICS (Genomics, Proteomics and Bioinformatics) (4th-8th December, 2023) BLiSC- NCBS, TIFR -InSTEM- C-CAMP, Bangalore.

**Ms. Hinal Mehta** presented a poster titled “Development of red fluorescent protein-based biosensor for the detection of biaromatic hydrocarbons in wastewater” at the International Conference on Advances in Biotechnology: Current discoveries and Future perspectives (ICAB- 2023)” organized by Amity University, Mumbai during 17<sup>th</sup>-18<sup>th</sup> October, 2023.

**Ms. Priya Patel** made an oral presentation on "Soil amendment studies for effective bioremediation of oily sludge contaminated soil using multi-functional bacterial consortium” at the International Conference on Advances in Biotechnology: Current discoveries and Future perspectives (ICAB-2023)” organized by Amity University, Mumbai during 17<sup>th</sup>–18<sup>th</sup> October, 2023.

**Ms. Vishwata Patel** presented a poster titled “Effect of scale up and substrate concentration on performance of continuous mode of microbial fuel cell for wastewater treatment” at the International Conference on Advances in Biotechnology: Current discoveries and Future perspectives (ICAB-2023)” organized by Amity University, Mumbai during 17<sup>th</sup>–18<sup>th</sup> October, 2023.

**Ms. Urja J. Shedaliya** presented a poster titled "Understanding the effect of hyperglycemia on Neurexin mediated synaptic vessicle transmission in sensory cortex of diabetic rats and Identifying Novel Drug Targets" at the 23rd International conference on Molecular Medicine, Reproduction and Endocrinology (IC-MMRE-23) & 40th annual meeting for The Society of Reproductive Biology and Comparative Endocrinology, organized by Navrachna University, Vadodara during September 14-16, 2023.

**Ms. Kavya Shah** presented a poster titled "Effect of Glucose-Insulin Supplementation on brain mediated motor functions of pilocarpine induced Epi-leptic Rats" at the 23rd International conference on Molecular Medicine, Reproduction and Endocrinology (ICMMRE-23) & 40th annual meeting for The Society of Reproductive Biology and Comparative Endocrinology (SRBCE), organized by Navrachna University, Vadodara during September 14-16, 2023.

**Ms. Kavya Shah** presented a poster titled "Glycemic fluctuations and their effects on Semaphorin4D in frontal cortex of Diabetic rats" in the 41st Annual meeting of Indian Academy of Neurosciences and International conference on “Brain: Chemistry to Cognition”, organized by Jiwaji University, Gwalior, during October 4-6, 2023.

## Student Activities

**Cancer Day Celebration:** Every year, 4th February is celebrated as World Cancer Day and for the year 2023 Union for International Cancer Control (UICC) has a theme "Close the care gap". Various activities such as Quiz, Poster making and various social media filters etc. were organized to help spread awareness for cancer.

## Campus Placements

This year, the Institute of Science welcomed several prestigious recruiters for the 2024 passing out batch, including Amneal Pharmaceuticals Ltd, Finecure Pharmaceuticals Ltd, Ortiv Q3 Research Pvt Ltd, YJ Trivedi, HOF Pharmaceuticals Ltd, Meteoric Biopharmaceuticals Ltd, Planet Spark, SHAIIP, Unacademy, Aakash Institute, Zydus Biologics Ltd, and Panacea Phytoextracts Pvt. Ltd.

The **Highest package** offered so far is INR 375,000 by Finecure Pharmaceuticals Ltd. The average package this year stands at INR 300,389, with the median package being INR 310,000.

The **Role/ Profile offered to students** includes Trainee – Quality Control, Trainee – Quality Assurance, Trainee – Vaccine Manufacturing, Associate, Market Research Analyst, and Business Development Officer, Management Trainee.

**38 students opted for Higher Studies and Research** in institutes including Northeastern University, Nirma University, etc.

### Other Placement Statistics at Glance:

- 52 students opted for placements
- 27 students placed
- 21 Companies participated in the placement process
- Students hired in Pharmaceuticals, R&D and Manufacturing sector

### Gender-wise Batch Statistics:

	Girls	Boys	Total Placed
<b>Number of Students Placed</b>	18	9	27
<b>Students Opted for Higher Study</b>	35	3	38
<b>Students Opted for Entrepreneurship</b>	-	-	-

Note: As the placement process is still ongoing, these figures are subject to change

**Institute**

**of**

**Law**

## **Institute of Law**

### **INDEX**

<b>Sr. No</b>	<b>Particulars</b>	<b>Page</b>
<b>1</b>	<b>Outstanding Achievements and important activities</b>	<b>202 – 213</b>
<b>2</b>	<b>Curricular Aspects</b>	<b>214 – 214</b>
<b>3</b>	<b>Teaching-Learning and Evaluation</b>	<b>214 – 218</b>
<b>4</b>	<b>Research, Consultancy and Extension</b>	<b>218 – 226</b>
<b>5</b>	<b>Infrastructure and Learning Resources</b>	<b>226 – 226</b>
<b>6</b>	<b>Student Support and Progression</b>	<b>227 - 232</b>

## Outstanding Achievements and Important Activities

### Rankings

- Ranked 27<sup>th</sup> in India Rankings 2023 by the National Institutional Ranking Framework (NIRF), Ministry of Education, Government of India
- Ranked 6<sup>th</sup> in the Private Law Colleges in India Category by The Week Magazine (June 2023)
- Ranked 21<sup>st</sup> in the Law Colleges in India by India Today (July-2023).
- Ranked among the top 30 law colleges in India, and top 5 in west zone (India) from BW Law School ranking.

### MoUs Signed

#### ILNU signs an MoU with AI Firm

Institute of Law signed a Memorandum of Understanding (MoU) with M/s. UNADA Lexilegal AI India Pvt. Ltd. (Under Corporation). The primary objective is to provide training for students in leveraging AI for both academic and professional assignments within the legal domain. This collaborative effort extends to testing, reviewing, and the ongoing enhancement of AI software products. Additionally, the partnership aims to facilitate product launches, fostering a dynamic exchange between academia and industry.

### Faculty Awards and Achievements

**Dr. Madhuri Parikh**, Director & Dean I/c ILNU, is awarded for her exceptional work in the field of Research and Development by *Sadvichar Paivar* on March 1, 2024.

**Dr. Ashish Porwal, Assistant Professor in Finance and Accounting**, won the Best Paper Award in the Professional Category for his paper titled "Blockchain Technology in Accounting: A Tool to Prevent Financial Frauds" at the Conference on Corporate Law and Finance hosted by the Institute of Law, Nirma University, from November 3 - 5, 2023.

**Dr. Nikita Koradia, (Assistant Professor, ILNU)** is awarded the academic excellence award in ASSOCHAM's Bharat Legal Conclave 2023 and National Legal Excellence Awards 2023 for her research publication in Competition Law in October 2023.

### Students Awards and Achievements

#### International Moot Achievements

**Shrey Bhatt (20BAL209), Kartik Nagpal (20BBL028) and Vanshika Agarwal (20BAL222)** were winners at 6<sup>th</sup> Arun Jaitley International Insolvency & Bankruptcy Moot Competition, 2023 organized by the National Law University, Delhi on May 5-8, 2023. Vanshika Agarwal was adjudged as the Best Speaker for the Advanced Rounds.

#### 6<sup>th</sup> H.V. Perera Q.C. Memorial International Arbitration Moot Competition

Shreya Shukla (20BAL135), Shivani Bothra (20BAL133), Sneha Singhania (20BAL138) and Arnav Mehta (20BAL014) were declared Winners of the 6<sup>th</sup> H.V. Perera Q.C. Memorial International Arbitration Moot Competition (Victors Moot) 2023 on September 3, 2023. Additionally, for a display of exceptional oral advocacy, Shivani Bothra (20BAL133) bagged the award for the Best Oralists at the event.

## NATIONAL MOOT ACHIEVEMENTS

**21<sup>st</sup> Surana and Surana National Corporate Law Moot Court and Judgement Writing Competition, 2024:** The team comprising Aditya Shukla (21BAL007), Aakriti Mishra (21BAL251) and Khushi Chawda (21BBL042) participated in the 21st Surana & Surana Corporate Law Moot Court and Judgement Writing Competition held from March 22-24 2024. The team has been adjudged as the Winners of the competition, with Aakriti Mishra as the Best Speaker in the finals and Aditya Shukla as the Best Student Advocate. The team has also bagged the award of 4th Best Memorial. The competition saw participation from more than 30 teams nationwide, and the finals were judged and chaired by the Hon'ble Lokayukta of Karnataka, Justice B.S. Patil. The competition focused on various areas of indirect taxation law, including the CGST Act, IGST Act, *erstwhile* Finance Act & Companies Act.

**1<sup>st</sup> edition of the Dr TMA Pai International Technology Arbitration Moot 2024:** The team from the Institute of Law Nirma University comprising Vansh Ved, Harshvardhan Singh Rathore and Devang Dwivedi won the 1st edition of the Dr TMA Pai International Technology Arbitration Moot 2024 organised by Manipal Law School held on March 30-31 2024. The teams debated on the theme 'Intersection of technology and international arbitration law'. The competition witnessed the participation of more than 30 teams from various parts of the country.

**XXVIIth All India Moot Court Competition, 2023:** Nandini Srivastava (22BAL099), Shreyanshi Animesh (22BAL123) and Srinanda Chatterjee (22BAL131) won the Best Memorial at the XXVII All India Moot Court Competition, 2023 organized by University Law College, Bangalore University, Bangalore from the June 9 – June 11, 2023.

### Major Events Organised

#### International Conference on Corporate Law and Finance

The Centre for Corporate Law Studies (CCLS) at ILNU hosted a Three-Day International Conference on Corporate Law and Finance from November 3-5, 2023. The event was inaugurated by Shri. Sourabh N Soparkar, (Senior Advocate, Gujarat High Court) who was the chief guest followed by a keynote address by Dr. Mukul Shastry (General Counsel, Cube Highways). The occasion was graced by the esteemed presence of Dr. Anup K Singh (Director General, Nirma University). The deliberations over this three-day conference covered diverse areas including capital markets, securities law, banking, finance, restructuring, insolvency, and foreign investments, shedding light on legal and financial strategies and underlining the growing significance of sustainability in the corporate world.

#### 13th ILNU Anti-Trust Moot & Conference 2024

Institute of Law organized 13<sup>th</sup> ILNU Antitrust Moot & Conference, 2024 from February 23-25, 2024. A total of 29 Teams across India showcased their Advocacy Skills in this Moot Court Conference. The inauguration ceremony was graced by Shri. K.K. Patel (Founder, President of Nirma Education and Research Foundation), Dr. Anup K Singh (Director General, Nirma University), Andras Hars Sir (National University of Public Service, University of Szeged), Stephen Barnes (Assistant Dean, University Park, Pennsylvania), Petar Bacic, Dr Ekramul Haque (Professor of Comparative Constitutional Law at the University of Dhaka) and Dr. Madhuri Parikh Ma'am (Director & Dean I/c, ILNU), with Heads of various departments and faculty coordinators of the program.

#### International Conference on the Right to Equality (ICRE 2.0)

Institute of Law organized the Second International Conference on the Right to Equality: Contemporary Challenges on March 15-16, 2024 in hybrid mode. The aim of the conference was to highlight the concepts of rights which represent respect for human life and its needs– biological, individual, social, political and civil. The themes of the conference revolved around, challenges to



equality of status, equality of opportunity, equality of access, social equality, and equal rights. The esteemed guest speakers were Dr. Usha Ramanathan (Indian Human Rights Activist) and Prof. (Dr.) Mehrajuddin Mir (Chair Professor, MNLC, K.R. Mangalam University, Gurugram). The conference received an overwhelming participation from legal scholars and students all over the world with 200 abstracts. There were over 100 presentations of research papers from academicians, scholars and students across India.

### **International Lawyers' Conference 2023**

A delegation of 20 students and 4 faculty members from Institute of Law, Nirma University participated in the Bar Council of India organised an International Lawyers' Conference 2023 at Vigyan Bhawan, New Delhi on September 23-24, 2023 on the theme, '*Emerging challenges in Justice Delivery System*'. This conference is a collaborative event with the Law Society of England and Wales, the Bar Council of England and Wales, and the Commonwealth Lawyers Association.

### **International Teaching Month**

Institute of Law organised the 'International Teaching Month' from Jan 29, 2024 to March 1, 2024. Resource persons included Hon'ble Judge Mel Flanagan, Former Circuit Judge and Adjunct Professor, University of Wisconsin, Sarajevo, USA; Dr Ricky J Lee, Adjunct Professor, University of Notre Dame, Australia; Prof Stephane Mechoulan, Professor, Dalhousie University, Canada; Dr Adam Dubin, Professor, Comillas University, Spain; Dr Muhammad Ekramul Haque, Professor, University of Dhaka, Bangladesh; Dr Christopher Symes, Emeritus Professor, University of Adelaide, Australia; Mr Franco Camatta, Director, Camatta Lempens Pty Ltd Lawyers, Adelaide, Australia; Dr Andras Hars, Senior Lecturer, Ludovika University of Public Service, Budapest, Hungary; Dr Petar Bacic, Vice Dean for International Cooperation, University of Split, Croatia; and Dr Stephan Barnes, Associate Dean, Penn State Law, USA. The resource persons shared their experiences covering diverse legal topics such as Enforcement of foreign judgments, Asian law and cultures, Cross-border insolvency, and Constitutional protection of human rights.

### **XII National Students Conference**

The 12th National Students Conference on Humanitarian Protection with Modern Technology was held on February 16, 2024 at the Institute of Law. This conference aimed to generate awareness, foster dialogue, and propose solutions to pressing challenges. The conference revolved around the theme of "Humanitarian Protection with Evolution of Modern Technology and Global Threats." It sought to address critical issues at the intersection of technology, humanitarian protection, and global security.

### **ILNU-SICI Lecture Series**

ILNU in collaboration with SICI (Shastri Indo-Canadian Institute) hosted a lecture series titled 'Engendering Law: Status and Challenges' from January 22-25, 2024. The distinguished guest lecturers for the series included Ms. Flavia Agnes (Senior Advocate, Supreme Court of India), Mr. John-Paul Boyd (Principal, John-Paul Boyd Arbitration Chambers, Canada), Professor Kamala Sankaran (National Law School of India University, Bangalore), Professor Judith Fudge (McMaster University, Ontario), Professor Archana Mishra (University of Delhi), Professor Mrinal Satish (National Law School of India University, Bangalore), and Professor Ubaka Ogbogu (Faculty of Law, University of Alberta). The series delved into the intersection of gender and law, offering a comparative analysis of legal provisions and practices in India and Canada.

### **Model United Nations Conference (MUN 2.0)**

Institute of Law hosted the second edition of the Model United Nations Conference (ILNU MUN 2.0) on April 1 and 2, 2023. The Hon'ble Chief Minister of Gujarat, Shri. Bhupendra Patel graced the event. ILNU MUN collaborated with the United Nations Information Centre for India and Bhutan and the MUN Refugee Challenge, which supported the noble cause of the UNHCR. Over 400 delegates from across the country participated in the conference.

### **Ashvamedha 2023**

Institute of Law organized *Ashvamedha 2023* from 20th – 23rd April, 2023. Mr. Harsh Ramesh Sanghvi (Home Minister, Gujarat) graced the inauguration ceremony and enlightened students on the topic of *Good Governance*. The four-day event entailed fun-filled competitions such as Paper Trading Competitions, Dance, Graffiti Design, Fashion Shows, Lawyer’s Parliament, Battle of the Bands, and Kite Flying Festival alongside experts invited for dialogues on relevant laws. The finale of Ashvamedha was a Musical Concert which was graced by the presence of popular guest singers Mr. Anuv Jain and Mr. Jassie Gill.

### **Samanvaya 2023**

The Centre of Corporate Law Studies (CCLS) at ILNU hosted Samanvaya 2023: 1st Annual Conclave on Corporate Law and Finance on the theme of ‘Merger & Acquisition and Private Equity and Securities Law & Capital Market’ on April 28-29, 2023. The conclave was graced by the presence of Mr. Pravin Trivedi (Executive Director, IFSC, GIFT City), and Mr. Ananta Barua (Whole Time Member, SEBI).

### **Constitutional Law Conclave**

Institute of Law organized Constitutional Law Conclave from February 19-20, 2024. The institute hosted distinguished personalities including Prof. Dr. Upendra Baxi, Former VC, Delhi University and South Gujarat University and Emeritus Professor of Law University of Warwick, UK, Dr. Ekramal Haque, Professor, University of Dhaka, Bangladesh, Dr. Stephen Barnes Associate Dean, Penn State Law, USA, and Dr. Peter Bacic, University of Split. The subjects of discussion were ‘Modern Contours of Basic Structure Doctrine’, ‘Fundamentals Ideologies of Constitution of Bangladesh’, and Panel Discussion on the topic “Comparative Study of Judicial Review in Different Jurisdictions.”

### **Conclave on The Intellectual Property Rights**

The Centre for Intellectual Property Rights at ILNU organized the IP Law Conclave on March 1-2, 2024. Speakers including Dr. Hardik Parikh (Head, Training Division, GNLU), Ms. Arunima Saraf (Assistant Professor, Jindal Global University), Ms. Smriti Yadav (Partner, Khaitan and Co.), Mr. Jitendra Bohra (Associate Partner, Royzz and Co.), Ms. Shireen Dhar (Managing Associate, Luthra & Luthra Law Offices), Dr. Ghayur Alam (IPR Chair, National Law Institute University, Bhopal), Dr. Victor Vaibhav Tandon (IP Lawyer and Academic, Saikrishna & Associates), and Mr. Lovepreet Manocha (Associate Partner, Saikrishna & Associates) shared insights into various aspects of Intellectual Property Rights (IPR). The Conclave sought to engage industry experts, legal luminaries, and fellow enthusiasts in enlightening expert lectures on various facets of Intellectual Property Rights including Copyright, Patents, Plant Varieties and Trademarks.

### **Model United Nations Conference (MUN 3.0)**

Institute of Law organized the third edition of the Model United Nations Conference from March 29 - 31, 2024. The inauguration ceremony was graced by Shri. K.K Patel (Vice President of Nirma University), along with Anup K. Singh (Director General, NU) and Dr. Madhuri Parikh (Director & Dean I/c, ILNU). The three-day conference brought together over 550 delegates from across India, making it one of the largest and most prestigious Model UN conferences in Gujarat. With nine committees in session, including UNEP, UNHRC, HCC, DISEC, UNSC, GLA, LOK SABHA, AIPPM, and IP, the engaging debates, thoughtful discussions, and executive board members contributed to the success of the event.

### **Research Centre Activities**

#### **Faculty Seminar on Research Skills under IQAC**

A Faculty Seminar on Research Skills was organized on August 19, 2023 at ILNU under the aegis of IQAC for Ph.D research scholars, students and faculty members. The resource person was Dr. Gitanjali Gill (Professor in Environment Law, Northumbria University, UK) who interacted with the

faculty members on Research Skills. Dr. Gill emphasized on the need to publish quality research than quantity to reap its benefits in the span of one's career. The faculty members were asked to work in groups to tap the synergy in their own area of research through discussion and to develop a Research Plan which was then presented for feedback from the expert.

### Faculty Seminar

A faculty seminar was organized at ILNU on February 17 and 29, 2024. The initiative aims to promote inter-disciplinary research ideas by providing a platform for faculty and scholars to share their work and receive peer feedback, fostering a collaborative and supportive research environment. The sessions were delivered by Dr. Amit Kashyap, who presented his working paper on 'Corporate Governance in Invits' and Ms. Tarun Jakhar, who elaborated on 'The Role and Types of AI' and its future in education.

### Dignitaries visited:

International Dignitaries visited during the year 2023-24: 12

Name of the Dignitary	Designation and Organisation	Purpose	Date
Prof. Andras Hars	Professor, National University of Public Service, Hungary	Expert Lecture on Introduction to International Criminal Court	September 11, 2023
Mr. John-Paul Boyd	Principal, John-Paul Boyd Arbitration Chambers, Canada	ILNU-SICI Lecture Series	January 22-25, 2024
Professor Judith Fudge	Professor, McMaster University, Ontario	ILNU-SICI Lecture Series	January 22-25, 2024
Professor Ubaka Ogbogu	Professor, Faculty of Law, University of Alberta	ILNU-SICI Lecture Series	January 22-25, 2024
Dr Ricky Lee	Adjunct Professor, University of Notre Dame, Australia	International Teaching Month 2024	January 30, 2024 to February 17, 2024
Ms. Mel Flanagan	Former Circuit Judge and Adjunct Professor, University of Wisconsin, Sarajevo, USA	International Teaching Month 2024	February 2-21, 2024
Dr Adam Dubin	Professor, Faculty of Law, Comillas University, Spain	International Teaching Month 2024	February 27, 2024 to March 2, 2024
Dr. Muhammad Ekramul Haque	Professor, University of Dhaka, Bangladesh	International Teaching Month 2024	February 18-22, 2024
Symes Christopher Francis	Emeritus Professor of Law at the University of Adelaide, Australia	International Teaching Month 2024	February 11, 2024
Franco Camatta	Director Camatta Lempens Pty Ltd Lawyers Adjunct Associate Professor at the	International Teaching Month 2024	February 11, 2024

	Flinders University Law School		
Petar Basic	Vice Dean for International Cooperation, Chair of Constitutional Law, Faculty of Law, University of Split, Croatia	International Teaching Month 2024	February 17-24, 2024
Padmashi Prof. Upendra Baxi	Professor at University of Warwick, United Kingdom	Expert lecture on "How Not to Read a Case"	February 20, 2024

National Dignitaries visited during the year 2023-24: **108**

Name of the Dignitary	Designation and Organisation	Purpose	Date
Hon'ble Chief Minister, Shri. Bhupendra Patel	Chief Minister, Gujarat	Inauguration of Model United Nations Conference (MUN 2.0) at ILNU	April 1, 2023
Mr. Shubham Vijay	Principal Associate, Lakshmikumaran & Sridharan	A Distinguished Lecture on 'Supply: An Inclusively Defined Taxable Event' and on 'ITC: Seamless Flow of Credit and Cascading of Taxes'	April 3-5, 2023
Mr. Kinjesh Thakkar	Head, International Tax & Transfer Pricing Dept., India	Expert Lecture on 'Transfer Pricing'	April 3-5, 2023
Ms. Akanksha Antil	Founder, TWIMC	CV Building workshop from CRC	April 4-15, 2023
Ms. Pooja	Senior Associate, Lex Consult		April 4-15, 2023
Mr. Naresh Pareek	Founder, Lex Consult		April 4-15, 2023
Mr. Madhur Verma	Principal Associate, Cyril Amarchand Mangaldas	Panel Discussion on 'Developing Skills for a successful Legal Career, Understanding Legal Markets, Trends, Challenges, and Opportunities for New Graduates'	April 7, 2023
Ms. Khyati Jha	Managing Partner, Spectrum Partners		April 7, 2023
Arjun Doshi	In-House Counsel, Adani Ports		April 7, 2023
Mr. Aishwarya Kumar Tiwari	Senior Associate DSK Legal		April 7, 2023
Ms. Priya Swami	Senior Manager, ICICI Lombard		April 7, 2023

Mr. Alok Vajpeyi	Senior Associate, Khaitan and Co.		April 7, 2023
Mr. Prakhil Mishra	Senior Associate, Economic Law Practice		April 7, 2023
Mr. Mani Shankar Mani	Probationary Civil Judge, Patna High Court		April 7, 2023
Mr. Vishal Singhal	Founder, Chambers of Vishal Singhal		April 7, 2023
Mr. Harsh Ramesh Sanghvi	Home Minister, Gujarat	Ashvamedha 2023: The National,	April 20, 2023
Mr. Anuv Jain	Singer	Cultural and Sports Festival	April 23, 2023
Mr. Jassie Gill	Singer		April 23, 2023
Dr. Urman Dhruv	MD, HCG Hospital, Ahmedabad	Expert Lecture on the topic 'Medico-legal Aspects of PCPNDT Act	April 24-27, 2023
Ms Priya Sogani	Alumni and Entrepreneur	The Entrepreneurship Conclave	April 28, 2023
Ms. Kritika Jaiswal			
Dr. Usha Ramanathan	Senior Law Researcher	A Two-Day Workshop on 'Law Land'	April 28-29, 2023
Ms. Shomona Khanna	Advocate, Supreme Court of India		April 28-29, 2023
Mr. Pravin Trivedi	Executive Director, IFSC, GIFT City	<i>Samanvaya 2023</i> : 1st Annual Conclave on Corporate Law and Finance	April 28-29, 2023
Mr. Ananta Barua	Whole Time Member, SEBI		April 28-29, 2023
Mr. Nitin Sevak	Climate Risk Advocate, Ahmedabad	Awareness Session on Sustainable Practices and Mission LiFE	June 1, 2023
Hon'ble Justice Ravi R. Tripathi	Former Chairperson, Gujarat State Human Rights Commission, Government of Gujarat and Judge (Retd.) High Court of Gujarat	Orientation programme for New Batch 2023-28	July 17, 2023
Mehrajuddin Mir	Former Vice Chancellor and Dean, School of Legal Studies, Central University of Kashmir	Curriculum Review and Development Process	July 23, 2023
Dr. Babugouda S. Patil	Associate Professor, V.M. Salgaocar College of Law, Goa	Curriculum Review and Development Process	July-2023
Dr. Gitanjali Gill	Professor in Environment Law,	Foundation day celebration	August 18, 2023

	Northumbria University, UK		
Shri. R.A. Trivedi	Member Secretary, Gujarat State Legal Services Authority	Foundation Day Celebration	August 18, 2023
Adv. Maulik Nanavati	Practising Lawyer, High Court of Gujarat	An Expert Lecture on 'Overview of Civil/Criminal Litigations: A Professional's Perspective'	August 21, 2023
Adv. Krutik Parikh	Assistant Government Pleader, High Court of Gujarat		August 21, 2023
Ms. Niki Shah	Co-Founder, Ultrapop Foods	An Expert Lecture on Child Labour	August 28-31, 2023
Ms. Ritika Sood	Senior Associate, Shardul Amarchand Mangaldas	Competition Law Conclave	September 5, 2023
Ms. Ashlesha Singhal	Associate, Shardul Amarchand Mangaldas	Competition Law Conclave	September 5, 2023
Mr. Karan Arora	Associate, Shardul Amarchand Mangaldas	Competition Law Conclave	September 5, 2023
Mr. Rahul Shukla	Senior Associate, Shardul Amarchand Mangaldas	Competition Law Conclave	September 5, 2023
Ms Mahak Rathee	Arbitrator	Mediation & Negotiation Workshop	September 8-9, 2023
Ms. Kirpen Dhaliwal	Arbitrator		September 8-9, 2023
Advocate Hriday Buch	Lawyer at the Gujarat High Court	Expert Lecture On Criminal Litigation: A Professional's Perspective	September 12, 2023
Advocate Aishvarya Gupta	Independent legal practitioner at the High Court of Gujarat		September 12, 2023
Dr. Varadraj Udaychandran	Professor, Dr. Ambedkar Government Law College	Expert lecture on Law of Evidence	September 15-17, 2023
Adv. Asim Pandya	Practising Lawyer, High Court of Gujarat	Expert Lecture on The Law of Writs	September 16, 2023
Mr. Swarnendu Chatterjee	Advocate, Supreme Court and Delhi High Court	Distinguished Lecture in Corporate Insolvency and Recruitment Session	September 16, 2023
Ms. Deepaksh	Advocate, Supreme Court and Delhi High Court		September 16, 2023
Ms. Hemangini Dadwal	Partner at AZB and Partners	Competition Law Conclave	September 20, 2023

Mr. Ajar Rab	Founding Partner, ANR Law LLP	Contract Drafting and Negotiation Workshop	September 21-23, 2023
Mr. Shubham Joshi	Practicing Advocate, Uttarakhand High Court	Contract Drafting and Negotiation Workshop	September 21-23, 2023
Mr. Raju Narayan Swamy	Cyber Law and Cyber Security expert	Expert Session on Cyberlaw and Cyber Security	September 26, 2023
CA Ashok Bhansali	Partner, AMB and Co. Chartered Accountants, Pune	Expert Lecture on Recent Trends in Cost and Management Accounting	September 28, 2023
Mr Vineet Tayal	An alumnus and four times Gold Medalist at ILNU	Session on Answer- Writing in Examination	September 30, 2023
Dr Kalpesh Kumar Gupta	Chief Administrator of Gujarat Law Teachers Group and Pro-Bono India	State Level Pro- Bono Meet	October 4, 2023
Dr Anugraha Rajawat	Assistant Professor, Marwadi University	State Level Pro- Bono Meet	October 4, 2023
Dr. Navtika Nautiyal	Assistant Professor National Forensic Science University	State Level Pro- Bono Meet	October 4, 2023
Dr Salim Khan	Assistant Professor Parul University	State Level Pro- Bono Meet	October 4, 2023
Dr Mohit Mathur	Professor, GNLU		October 4, 2023
Dr Hardik Parikh	Professor, GNLU	State Level Pro- Bono Meet	October 4, 2023
Shri. Rahul Trivedi	Member Secretary, District Legal Service Authority	NGO Conclave by CRC	October 5, 2023
Ms. Julie Panchal	Founder, Saksham Foundation Trust	NGO Conclave by CRC	October 5, 2023
Mr. Uttam Sharma	Founder of the Human Kind NGO	NGO Conclave by CRC	October 5, 2023
Ms. Zeal Shah	Alumnus ILNU and Founder, Saahay Foundation NGO	NGO Conclave by CRC	October 5, 2023
Ms. Sanjeevni Singh	Alumnus, ILNU and Founder of Spinning Wheel Foundation	NGO Conclave by CRC	October 5, 2023
Mr. Kushal Dutta	Founder, Samait Shala	NGO Conclave by CRC	October 5, 2023
Mr. Anoorup Dasgupta	Associate, Human Resource Department at Teach for India	NGO Conclave by CRC	October 5, 2023

Mr. Aditya Pandya	Advocate, Gujarat High Court	Session on Forum Specific Litigation Strategies	October 7, 2023
Dr. S. Rajeshkumar	Biologist and Zoologist	Expert Session on Biodiversity	October 7, 2023
Mr. Tejas Karia	Partner and Head of Arbitration at Shardul Amarchand Mangaldas & Co	Expert Lecture on International Commercial Arbitration	October 20, 2023
Mr. Devashish Trivedi	Prolific debater	Debate Workshop	October 23-25, 2023
Dr. Anjani Singh Tomar	Head Academic Affairs & Professor of Law at Gujarat National Law University, Gandhinagar	Guest Lecture on POCSO and Grey Areas of Criminal Law	October 26-27, 2023
Mr. Rashesh Patel	Advocate Gujarat High Court, Ahmedabad	Expert Talk on Laws of Copyright	October 27, 2023
Mr. Siddharth Chechani	Senior Associate at DSK Legal, New Delhi	Intra Murals (National)	October 29, 2023
Mr. Somdev Tiwari	Senior Associate at Gaggar & Partners, New Delhi	Intra Murals (National)	October 29, 2023
Mr. Bharat Singh Govil	Research Officer, Tribal Research Institute (TRI) Gujarat	Expert Session on the Rights of Tribals under Forest Law Elective	October 30, 2023
Mr. Bhawaniya	Research Officer, Tribal Research Institute (TRI) Gujarat		October 30, 2023
Sourabh N Soparkar	Senior advocate at the Gujarat High Court	International Conference on Corporate Law and Finance	November 3-5, 2023
Dr. Mukul Shastry	General Counsel		November 3-5, 2023
Mr. Narayan Kedia	Vice-President Legal, India Bulls	Expert Session on Demystifying Corporate Law	November 5, 2023
Mr. Sejal Jain	Senior Manager, India Bulls		November 5, 2023
Ms. Deeksha Manchanda	Partner at Chandhiok and Mahajan, Advocates and Solicitors	Guest lecture on Competition Law	November 6-7, 2023
Ms. Mahima Singh	Counsel, Chandhiok and Mahajan	Section 29A and Resolution Plans: Practical Perspectives	December 1, 2023
Dr. Prabhavati Baskey	Assistant Professor of Law, Gujarat	Historical School of Jurisprudence	December 7, 2023



	National Law University		
Mr. Kiran Mnaokaran	Senior Associate, LKS	Expert Lecture on Disputes Under International Economic Law	December 22, 2023
Mr. Anubhab Sarkar	Partner Triumvir Law, Bangalore	Expert Lecture on Disputes Under International Economic Law	December 22, 2023
Shri. Mahesh Pandya	Director, Paryavaran Mitra NGO	Policy Intervention: Role of NGOs	December 28, 2023
Dr Lajwanti Chatani	Professor, Political Theory, M. S. University, Baroda	A Seminar on Research Methodology	January 4, 2024
Ms. Kanchi Kohli	Researcher, educator and communicator of Environmental Law and Policy	Three-Day Workshop on Climate Change	January 8-10, 2025
Professor Archana Mishra	Professor, University of Delhi	ILNU-SICI Lecture Series	January 22-25, 2024
Professor Mrinal Satish	Professor, National Law School of India University, Bangalore	ILNU-SICI Lecture Series	January 22-25, 2024
Ms. Flavia Agnes	Senior Advocate, Supreme Court of India	ILNU-SICI Lecture Series	January 22-25, 2024
Professor Kamala Sankaran	Professor, National Law School of India University, Bangalore	ILNU-SICI Lecture Series	January 22-25, 2024
Mr. Bhumesh Verma	Managing Partner, Corp Comm Legal	Contract Drafting workshop	January 29-30, 2024
Dr. Stephane Mechoulan,	Associate Professor in the Faculty of Management at Dalhousie University	Workshop on Economic Analysis of Law	January 29-31, 2024
Mr. Mitesh Amin	Senior Advocate and Additional Advocate General, State of Gujarat	Expert Session on Art of Cross Examination	March 1, 2024
Dr. Hardik Parikh	Head, Training Division, GNLU	A Two-Day Conclave on The Intellectual Property Rights at ILNU	March 1-2, 2024
Ms. Arunima Saraf	Assistant Professor, Jindal Global University	A Two-Day Conclave on The Intellectual Property Rights at ILNU	March 1-2, 2024

Ms. Smriti Yadav	Partner, Khaitan and Co.	A Two-Day Conclave on The Intellectual Property Rights at ILNU	March 1-2, 2024
Mr. Jitendra Bohra	Associate Partner, Royzz and Co.	A Two-Day Conclave on The Intellectual Property Rights at ILNU	March 1-2, 2024
Ms. Shireen Dhar	Managing Associate, Luthra & Luthra Law Offices	A Two-Day Conclave on The Intellectual Property Rights at ILNU	March 1-2, 2024
Prof (Dr.) Ghayur Alam	IPR Chair, National Law Institute University, Bhopal	A Two-Day Conclave on The Intellectual Property Rights at ILNU	March 1-2, 2024
Dr. Victor Vaibhav Tandon	IP Lawyer and Academic, Saikrishna & Associates	A Two-Day Conclave on The Intellectual Property Rights at ILNU	March 1-2, 2024
Mr. Lovepreet Manocha	Associate Partner, Saikrishna & Associates	A Two-Day Conclave on The Intellectual Property Rights at ILNU	March 1-2, 2024
Ms. Kanchi Kohli	Researcher, educator and communicator of Environmental Law and Policy	Expert Lecture on Environmental Law	March 4-7, 2024
Honorable Ms. Justice Gita Gopi	Judge, High Court of Gujarat	Celebration of International Women's Day	March 7, 2024
Dr. Heta Baxi	Senior Physiotherapist, Kameshwar Medical Centre	Celebration of International Women's Day	March 7, 2024
Dr. Margie Parikh	Professor, B.K. School of Professional and Management Studies	Training Program under CCE on Sexual Harassment at Workplace	March 8-9, 2024
Prof. Rattan Singh from	Professor, Panjab University, Chandigarh	A workshop on Research Methodology for the PhD students	March 9-10, 2024
Mr. Chinmay Naik,	Partner at K C Mehta & Co, Vadodara	Expert Lecture on Valuation, Accounting & Due Diligence in Mergers	March 27, 2024

## I CURRICULAR ASPECTS

### • New courses being offered - 6

- Sociology of Law – (B.A., LL.B. (Hons.) Sem-II)
- Western Political Thought - (B.A., LL.B. (Hons.) Sem-III)
- Global Politics – (B.A., LL.B. (Hons.) Sem-V)
- Theorizing India – (B.A., LL.B. (Hons.) Sem – VI)
- Human Resource Management (B.Com., LL.B. (Hons.) Sem-II)
- Law and Public Policy (LL.M., Trimester-II)

### • Number of courses where major revisions are made – 3

- Political Science – An Introduction (B.A., LL.B. (Hons.) Semester-I)
- Political Theory – (B.A., LL.B. (Hons.) Semester – II)
- Indian Political Thought – (B.A., LL.B. (Hons.) Semester- IV)

### • Any other Initiative/Innovation in the curricular design

- SDG related discussion added in all core courses.
- Clinical approach followed in teaching skill-based courses.

## II TEACHING-LEARNING AND EVALUATION

### Number of faculty completed/pursuing Ph.D.

Faculty Completed Ph.D. - 7

Faculty Pursuing Ph.D. - 10

### Innovation in Teaching - learning & evaluation

**Internationalisation @ ILNU** - With a view to provide international exposure to the students, the Institute invited foreign faculty experts from across the world to teach and interact with the students.

**Lawyers Incubation Clinic (LIC)** - The Institute has set up the Lawyers Incubation Clinic (LIC) in October 2018 with a principle of outcome-based education which means that after the completion of course, the students should have achieved the desired outcome of the course. This LIC will be developed as a platform to mentor students who want to make a career in litigation.

### Capstone Course

**Students are engaged** in the research activities in the first year to get exposure and to encourage them to do research.

**More emphasis** on Project based learning

### Activities to sustain healthy practices

- Blended pedagogies
- CR/BR (Class Representative/Bench Representative) meeting conducted at regular interval to update and to discuss academic/administrative matter.
- Periodic Feedback system from stakeholders.
- Regular industrial visits for getting industrial exposure to the students and also experts from different industries are invited for expert lectures.

- Input from Alumni members in the curriculum and also conducting special alumni lecture series.

### **Exam Reforms implemented**

- Customised continuing assessment in many courses as per the learning style of the learner.
- Extended opportunity for assessment
- Assessment based on the Assessment Rubrics.

### **Number of faculty development programmes availed by faculty - 3**

- Mr. Gururaj Devarhubli, Assistant Professor of Law, participated in an Online Faculty Development Program on ‘Exploring the Educational Potential of ChatGPT’ organized by Career Development Cell of Gokul Global University, Siddhpur from June 5-9, 2023. He also participated in the 5<sup>th</sup> National Amity Faculty Development Program on ‘Accentuating the Importance of the Amalgamation of Related Disciplines in the Domain of Law’ organized by Amity Law School, Amity University, Lucknow Campus in June 2023.
- Mr. Abhas Shrivastava, Assistant Professor, ILNU participated in a Two-Day Training Program on Training the trainers: Approaches to Clinical Legal Education organised by Faculty of Law, Marwadi University Rajkot from January 6-7, 2024. The event had sessions on Clinical legal education, Pro-Bono activities, curriculum planning and community engagement.

### **Expert Lecture: 46**

<b>Sr. No.</b>	<b>Name of Expert</b>	<b>Designation</b>	<b>Topic</b>	<b>Date</b>
1	Mr. Shubham Vijay	Principal Associate, Lakshmikumaran & Sridharan	A Distinguished Lecture on ‘Supply: An Inclusively Defined Taxable Event’ and on ‘ITC: Seamless Flow of Credit and Cascading of Taxes’	April 3-5, 2023
2	Mr. Kinjesh Thakkar	Head, International Tax & Transfer Pricing Dept., India	Expert Lecture on ‘Transfer Pricing’	April 3-5, 2023
3	Dr. Urman Dhruv	MD, HCG Hospital, Ahmedabad	Expert Lecture on the topic ‘Medico-legal Aspects of PCPNDT Act	April 24-27, 2023
4	Mehrajuddin Mir	Former Vice Chancellor and Dean, School of Legal Studies, Central University of Kashmir	Curriculum Review and Development Process	July 23, 2023
5	Adv. Maulik Nanavati	Practicing Lawyer, High Court of Gujarat	An Expert Lecture on ‘Overview of Civil/Criminal Litigations: A Professional's Perspective’	August 21, 2023

6	Adv. Krutik Parikh	Assistant Government Pleader, High Court of Gujarat	Overview of Civil/Criminal Litigations: A Professional's Perspective	August 21, 2023
7	Ms. Niki Shah	Co-Founder, Ultrapop Foods	Child labour	August 28, 2023 and August 31, 2023
8	Ms. Niki Shah	Co-Founder, Ultrapop Foods	Adoption Laws in India	September 4, 11 and 14, 2023
9	Prof. Andras Hars	Lecturer, National University of Public Service, Hungary	The Introduction to International Criminal Court	September 11, 2023
10	Advocate Hriday Buch	Practicing lawyer at the Gujarat High Court	Overview of Criminal Litigation: A Professional's Perspective	September 12, 2023
11	Advocate Aishvarya Gupta	Independent legal practitioner at the High Court of Gujarat		September 12, 2023
12	Dr. Varadrajan Udaychandran	Professor, Dr. Ambedkar Government Law College	Law of Evidence	September 15-17, 2023
13	Mr. Swarnendu Chatterjee	Advocate of Record	Practice and Procedure of IBC along with its Regulations with the Interplay of SARFAESI and Companies Act, 2013	September 16, 2023
14	Ms. Deepaksh	Advocate, Supreme Court and Delhi High Court		September 16, 2023
15	Adv. Asim Pandya	Practising Lawyer, High Court of Gujarat	Drafting and Procedural aspects of Law of Writs	September 16, 2023
16	Mr. Raju Narayan Swamy	Advocate	Cyberlaw and Cyber Security	September 26, 2023
17	CA Ashok Bhansali	Partner, AMB and Co. Chartered Accountants, Pune	Recent Trends in cost and management accounting	September 28, 2023
18	CA Ashok Bhansali	Partner, AMB and Co. Chartered Accountants, Pune	Internal Control and Liabilities of Auditor	September 29, 2023
19	Mr. Vineet Tayal	an alumnus and four times Gold Medalist at ILNU	Session on Answer-Writing in Examination	September 30, 2023
20	Dr. S. Rajeshkumar	Biologist and Zoologist	Bio-diversity Law	October 7, 2023
21	Mr. Aditya Pandya	Advocate, Gujarat High Court	Forum Specific Litigation Strategies	October 7, 2023
22	Mr. Tejas Karia	Partner and Head of Arbitration at Shardul Amarchand Mangaldas & Co	Making of an Arbitral Award and its Recognition and Enforcement	October 20, 2023
23	Dr. Anjani Singh Tomar	Head Academic Affairs & Professor of Law at Gujarat	POCSO and Grey Areas of Criminal Law	October 26-27, 2023

		National Law University, Gandhinagar.		
24	Mr. Rashesh Patel	Advocate Gujarat High Court, Ahmedabad	Recent Judicial Trends under the Laws of Copyright	October 27, 2023
25	Mr. Bharat Singh Govil	Research Officer from Tribal Research Institute (TRI) Gujarat)	Rights of Tribals under Forest Law	October 30, 2023
26	Mr. Bhawaniya	Research Officer from Tribal Research Institute (TRI) Gujarat)	Rights of Tribals under Forest Law	October 30, 2023
27	Mr. Narayan Kedia	Vice-President Legal, India Bulls	Expert Session on Demystifying Corporate Law	November 5, 2023
28	Mr. Seial Jain	Senior Manager, India Bulls		November 5, 2023
29	Ms. Deeksha Manchanda	Partner at Chandhiok and Mahajan, Advocates and Solicitors	Competition Law	November 6-7, 2023
30	Mr. Sukrit Garg	Research Scholar, NALSAR University of Law	Constitutional Identity	November 29, 2023
31	Ms. Mahima Singh	Counsel, Chandhiok and Mahajan	Section 29A and Resolution Plans: Practical Perspectives	December 1, 2023
32	Dr. Prabhavati Baskey	Assistant Professor of Law, Gujarat National Law University	Historical School of Jurisprudence	December 7, 2023
33	Mr. Kiran Mnaokaran	Senior associate, LKS	Expert Lecture on Disputes Under International Economic Law	December 22, 2023
34	Mr. Anubhab Sarkar	Partner Triumvir Law, Bangalore		December 22, 2023
35	Shri. Mahesh Pandya	Director, Paryavaran Mitra NGO	Policy Intervention: Role of NGOs	December 28, 2023
36	Professor Archana Mishra	Professor, University of Delhi	ILNU-SICI Lecture Series	January 22-25, 2024
37	Professor Mrinal Satish	Professor, National Law School of India University, Bangalore	ILNU-SICI Lecture Series	January 22-25, 2024
38	Ms. Flavia Agnes	Senior Advocate, Supreme Court of India	ILNU-SICI Lecture Series	January 22-25, 2024
39	Professor Kamala Sankaran	National Law School of India University, Bangalore	ILNU-SICI Lecture Series	January 22-25, 2024
40	Hon'ble Judge Mel Flanagan,	Former Circuit Judge and Adjunct Professor, University of	Expert Session on Implicit Bias	February 6, 2024

		Wisconsin, Sarajevo, USA		
41	Padmashi Prof. Upendra Baxi	Professor at University of Warwick, United Kingdom	How Not to Read a Case	February 20, 2024
42	Mr. Mitesh Amin	Senior Advocate and Additional Advocate General, State of Gujarat	Expert Session on Art of Cross Examination	March 1, 2024
43	Ms. Kanchi Kohli	Researcher, educator and communicator of Environmental Law and Policy	Expert Lecture on Environmental Law	March 4-7, 2024
44	Mehrajuddin Mir	Former Vice Chancellor and Dean, School of Legal Studies, Central University of Kashmir	Expert lecture on Criminal Law with special reference to Penology and Victimology	March 14, 2024
45	Mr. Chinmay Naik,	Partner at K C Mehta & Co, Vadodara	Expert Lecture on Valuation, Accounting & Due Diligence in Mergers	March 27, 2024
46	Mr. Kinjesh Thakkar	Head, International Tax & Transfer Pricing Dept., India	Expert Lecture on Tax Aspects of Merger	March 28, 2024

### III RESEARCH, CONSULTANCY & EXTENSION

#### Research Project

#### Ongoing major Research Project

Sr. No.	Title of the Project	Project Investigator/s	Funding Agency	Grant (in Rs.)
1	Designing Innovative Solution For Holistic Access To Justice In India (Disha) For Pro Bono Club Scheme Under Nyaya Bandhu (Pro Bono Legal Services) Programme	Dr. Parikh Madhuri Amitkumar	Ministry Of Law And Justice, Government Of India	2,00,000/-
2	Developing An Educational Frame Work For Climate Justice: With Special Reference to Clinical Legal Education	Dr. Parikh Madhuri Amitkumar	Azim Premji Research Foundation	9,95,500/-
3	A Study on the Implementation of the Forest Rights Act in The State of Gujarat	Dr. Madhuri Parikh, Dr. Deba Ranjan Hota, and Dr. Neeraj Gupta	Gujarat Tribal Research and Training Society, Gujarat	12,02,000/-
<b>Total Grant</b>				<b>23,97,500/-</b>

### Sanctioned major Research Project

Sr. No.	Title of the Project	Project Investigator/s	Funding Agency	Grant (in Rs.)
1	Impact Of Climate Change And Building Climate Resilience With Special Reference To Role Of Local Self Governance In Gujarat: An Analytical Study	Dr. Parikh Madhuri Amitkumar	Climate Change Department,	6,00,000/-
<b>Total Grant</b>				<b>6,00,000/-</b>

### Sanctioned / Ongoing / Completed minor Research Project funded by Nirma University

Sr. No.	Title of the Project	Project Investigator/s	Funding Agency	Grant (in Rs.)
1	An Impact Analysis Of Surrogacy (Regulation) Act, 2021 With Social, Legal And Ethical Considerations	Prof. Gunjan Arora	Nirma University	1,00,000/-
2	A Needs Analysis Approach to English for Specific Purposes (ESP) Courses for Law Students in Higher Education Institutions (HEIs) of Gujarat	Dr. Mamta Pillai	Nirma University	45,000/-
<b>Total Grant</b>				<b>1,45,000/-</b>

### Research Publications

1. Bini B. S., "Hushing The Hurt In Experiential And Fictional Narratives: An Analysis Of Select Works Of Fanny Burney And Virginia Woolf", *Wisdom Speaks*, (2023), 8, (2023), 49-54
2. Prasad Arun Balakrishnan, "Present Scenario Of Indian Capital Market And Its Impact", *Journal Of The Asiatic Society Of Mumbai*, (2023), 97/06/07, (97), 140-148
3. Prasad Arun Balakrishnan, Vishakha Chauhan, Manvi Chopra, "Intervention Of Human Resource Management To Manage The Employee Attrition Rate By Using Anova Test", *Journal Of Data Acquisition And Processing*, (2023), 38, (1), 4822-4830
4. Uma Raman M, Prasad Arun Balakrishnan, Ritesh Gupta, Venkata Harshvardhan Reddy, Sarita S, Manish Gupta, "The Role Of Environmental Green Management In Sustainable Business Development", *World Journal Of Management And Economics*, (2023), 16, (4), 1140-1151
5. Kashyap Amit Kumar, Mahima Chaudhary, "Cyber Security Laws And Safety In E-Commerce In India", *Law And Safety*, (2023), 89, (2), 207-216
6. Gururaj Devarhubli, Yogendra Batra, Alaukik Shrivastava, "Do Software Payments Amount To Royalties? Tracing The Answer In The Context Of The Engineering Analysis Case And Proposing An Alternative Model", *Cogent Social Sciences*, (2023), 9, (1), 1-18
7. Chhote Lal Yadav, "Coastal Zones And Its Legal Management In State Of Gujarat, India", *Multidisciplinary Science Journal*, (2023), (5), (45474)



8. Dayamanr Barla, Ganguly Varsha, Katyayan Rashmi, Antony Puthumattathil, Lotika Singha, "Jharkhand's New Sthaniyata (Local Resident) Policy: The 1932 Khatiyani, Sociocultural Fabric, And Land Rights", *Economic And Political Weekly*, (2023), 58, (18), 34-40
9. Jakhar Taruna Mahesh, "Collusion By Price Fixing Algorithms: Competition Law Concerns", *Cpj Law Journal*, (2023), 14, (2), 543-555
10. Chhtrapati Devang Navnitlal, Dharmendra Trivedi, Shanti P. Chaudhari, Arpit Sharma, Atul Bhatt, "Global Research Performance On Social Media Security: A Bibliometric Visualization Analysis", *Information Discovery And Delivery*, (2023), 1, (1), 2-21
11. Shindhe Anandkumar Ramakrishna, "Democracy And Rule Of Law In The Era Of Algorithms: A Review On Internet Shutdowns In India, Towards Excellence", (2023), 15, (2)
12. Ashish Porwal, "Measuring CSR Effectiveness For Sustainable Development In Selected Automobile Companies In India", *Pacific Business Review (International)*, (2023), 16, (4), 78-87
13. Trivedi Vikas Indravardhan, "Redressal Of Sexual Harassment At The Workplace: A Study Of Legal Educational Institutions In Ahmedabad, Gujarat", *Direito Gv Law Review*, (2023), 19, (44), 1179-1208
14. Trivedi Vikas Indravardhan, "Unethical Marketing And Advertising To Children: Need For Regulation", *International Journal On Consumer Law And Practice*, (2023), Xi, (1), 222-237
15. Ashish Porwal, Arun B. Prasad, "Financial Literacy: A Need Amongst Youth Of India", *Asian And Pacific Economic Review*, (2023), 16, (3), 93-101
16. Arora Gunjan, "AI In Medicine & Healthcare Sector: Analyzing The Implications Under Medical Laws", *HNLU Journal Of Law And Social Sciences*, (2023), Viii, (1)
17. Vineet Chouhan, Sajid Ali, Raj Bahadur Sharma, Anjali Sharma, "The Effect Of Financial Technology (Fin-Tech) On The Conventional Banking Industry In India", *International Journal Of Innovative Research And Scientific Studies*, (2023), 6, (3), 538-544
18. Ashish Porwal, "The Green Effect: Exploring The Impact Of Innovation And Foreign Direct Investment On Environmental Quality In Malaysia", *International Journal Of Energy Economics And Policy*, (2023), 13, (5), 54-61
19. Kashyap Amit Kumar, Nishant Gehlot, "Dynamics Regulatory Aspects Of Anchor Investors In An IPOO", *Chartered Secretary*, (2024), 54, (1), 71-73
20. Kashyap Amit Kumar, Simran Lunagariya, "Trade Finance Evolution: A Comparative Study Of Regulatory Reforms In Factoring Policies For SMEs In India And China", *Otoritas : Jurnal Ilmu Pemerintahan*, (2023), 13, (4), 469-485
21. Neelesh Shukla, Vishakha Gandhi, "Landscape Of Research On Energy And Cryptocurrency: Energy Assessment Of Legalising Cryptocurrencies In India.", *Army Institute Of Law, Mohali Law Journal*, (2023), 16, (1), 93-110
22. Neelesh Shukla, Prateek Deol, "The Conundrum Of Royalty Sharing In The Indian Film & Music Industry: Special Emphasis On OTT & Audio Streaming Platforms", *South India Journal Of Social Sciences*, (2023), 21, (38), 1-10

23. Neelesh Shukla, Prateek Deol, "Patent Evergreening As Part Of India Uk Free Trade Agreement: A Dilemma For India", Kashmir Journal Of Legal Studies, (2023), 10, (1), 203-216
24. Gururaj Devarhubli, Alaukik Shrivastava, "The Advancement Of Environmental Procedural Rights In India: An Analysis Of Issues, Problems And Prospects", Cogent Social Sciences, (2024), 10, (1), 1-23
25. Amulya Nigam, Madhuri Parikh, "Comparative Analysis Of Climate Justice Framework In Usa, Uk, Japan, China, Germany And France", Journal Of Humanities And Social Sciences Studies, (2023), 5, (9), 41-53
26. Shashank Chaturvedi, David Gellner, Sanjay Kumar Pandey, "The 2022 State Elections In Uttar Pradesh And The Rss-Isation Of The Bjp", Southasia: Journal Of South Asian Studies, (2023), 46, (6), 1-21
27. Manisha Patawari, Nabin Sarawogi, "Impact Of Goods & Services Act, 2017 On Powerlooms Of Banaras: A Sociolegal Analysis", Kashmir Journal Of Legal Studies, (2023), X, (1), 123-132
28. Abhas Srivastava, Shriya Bhojwani, Inter-State Water Disputes, vis-à-vis Role of Central Government in Efficient Adjudication, Naturalista Campano, 1827-7160, Vol 28, Issue 1, 2024.

### Book Published

Sr. No.	Name of the Faculty	Name of the Book	Name of Publishing House	ISBN	Year
1.	Prasad Arun Balakrishnan	A Textbook on Strategic Management	Alpha International Publication	978-93-5762-788-7	2023
2.	Prasad Arun Balakrishnan	Total Quality Management	Phoenix International Publication House	978-93-5515-931-1	2023
3.	Prasad Arun Balakrishnan	Navigating the AI Frontier: Understanding the Benefits and Challenges of Artificial Intelligence Across Industries	Xoffencer	978-81-19534-25-8	2023
4.	Gururaj D Devarhubali	Contemporary Issues and Challenges in International Law: An Asian Perspective	Satyam Law Books Pvt. Ltd.	978-81-19119-18-9	2023

### Book Chapter Published

Sr. No.	Name of the Faculty	Name of the Book Chapter	Name of the Book	Name of Publishing House	ISBN	Year
1.	Bini B. S.	Bertrand Russell and Alfred Korzybski on Knowledge and Education: Towards A Pedagogy for Human Weal	The Book of Radical General Semantics, Vol 3	Radical General Semantics.Net	9798870913452	2024
2.	Koradia Nikita	Tackling algorithmic collusion: the scope of the Indian Competition Act	Algorithms, Collusion and Competition Law A Comparative Approach	Edward Elgar	9781802203035	2023

3.	Kashyap Amit Kumar	From Trolls to Justice: Navigating Cyber Bullying & Complexities of Cyber Law in Digital Age	Legal Aspects of Cyber Security in India	Ganga Prakashan	9789355140975	2023
4.	Nitin Shankar Pillai	Assessment As a Policy Tool in New Education Policy 2022	National Education Policy 2022: Understanding and Way Forward	Notion Press	ISBN 979-8-88833-662-5	2023
5.	Gururaj D Devarhubali	Analyzing The Indian and Us Position On Resolving Intellectual Property Disputes Through Alternative Disputes Resolution	Commercial Arbitration in India Issues and Challenges	Abs Books	978-93-94424-72-2	2023
6.	Arora Gunjan	AI in Medicine and Healthcare Sector: Analysing the Implications Under Ip Laws	Law And Technology: New Perils in Justice and Accountability	Red Shine Publications London	978-1-312-94837-2	2023
7.	Trivedi Vikas Indravardhan	Influencer Advertising in The Digital Space: The Changing Landscape and Need For Regulation	Consumer Protection Laws in Digital Era	Satyam Law International	978-81-19122-00-4	2023
8.	Parikh Madhuri Amitkumar, Deba Ranjan Hota	Comparative Analysis of Legal Framework for Disaster Management in Pakistan, India, and Bangladesh	International Handbook of Disaster Research	Springer	978-981-16-8800-3	2023
9.	Bharat Subhas Rathor	Sustainable Development Goals from The Optic of Gandhian Philosophy	Indian Knowledge System: As an Alternative to Sustainable Development	Bookends Publishing	978-93-93933-30-0	2023

### International Research Consultancy

Dr. Madhuri Parikh, Dean and Director(I/c) ILNU, secured a research consultancy engagement to assist with the British Institute of International and Comparative Law (BIICL) Project on Corporate Climate Change Litigation from October 2, 2023 to September 30, 2024.

### Number of faculty participated in national/international conferences based on acceptance of the research paper:

Financial Year	National Conference		International Conference	
	Number of Teachers	Amount incurred	Number of Teachers	Amount incurred
2023-24	03	6938/-	11	75301/-
2022-23	04	7716/-	02	4500/-

**Publication by Institute in the international/national conference proceedings, institute journals, dissertation abstracts, Ph.D. thesis, etc.**

- 1) Nirma University Law Journal (NULJ) published biannually
- 2) Journal of Intellectual Property Rights published annually
- 3) Centre for Corporate Research Journal published annually
- 4) Book on Artificial Intelligence and Law published by Institute
- 5) Printed Conference Proceedings of IHL Conference
- 6) Quarterly newsletter publication
- 7) Brochure on International Teaching Month
- 8) Brochure on Legal Aid & Extension Activities
- 9) E-Newsletter publications by Centre of Law and Governance and Centre of Environment Law
- 10) Students of Literary club started publication of e-magazine – “Meraki”

**Award and recognitions (institute/department/faculty)**

Dr. Madhuri Parikh (Dean and Director I/c, ILNU) has been appointed as the National Rapporteur of Sabin Centre for Climate Change Law of Asia in October 2023. The Sabin Centre’s Peer Review Network of Climate Litigation includes practitioners and scholars from around the world to review the Global Climate Litigation Database of the centre.

**Invited As Resource Person**

Dr. Madhuri Parikh Dean and Director (I/c), ILNU was invited as a Resource Person at the Regional Seminar and Roundtable on the theme ‘Curricula Development on Climate Change, Policy and Law’ by Faculty of Law, Marwadi University, who is a partner institution in the European Union’s Erasmus+ Project on Curricula Development on Climate Change, Policy and Law on October 20 and 21, 2023.

Dr. Madhuri Parikh, Director & Dean (I/c) ILNU, was invited as a Resource Person to deliver a session on ‘Writing a Research Paper’ in a Legal Teaching Pedagogy Workshop jointly organized by Centre of Excellence, School of Law, Gujarat University and UGC-MMTTC Gujarat University from December 28-30, 2023.

Dr. Varsha Ganguly, Professor & Research Head, ILNU was an invited Resource Person to speak on the topics ‘Contextualizing Women and Land Rights in Women & Gender and Development Perspectives’, ‘WLR ensured through Social Movements in India’ and ‘Codification Through Social Action and Furthering WLR’ for the course of Women & Land Rights’ jointly organized by State-Level Network-WGWLO, Gujarat and supported by Womanity Foundation on September 11-13, 2023.

Dr. Parna Mukherjee, Associate Professor in Law, was invited as a resource person for a talk on Biodiversity Conservation: Global Strategies & Legal Scenario at an International Seminar organized by The Kerala Law Academy, Trivandrum in association with CALSAR, KLA Centre Environmental Science and Law and IQAC, on September 30, 2023.

**Conference/Workshop Attended**

Ms. Smriti Tanvani, Assistant Professor in Law, was selected to represent India as a delegate at the International Universal Youth Leadership Summit 2023 from 1st – 4th June in Bali, Indonesia. The theme of the Summit was ‘Quality Education, Social Inclusion and Child Labour’.

Dr. Varsha Ganguly, Research Head, ILNU, Dr. Forum Patel and Dr. Shivani Mehta, Assistant Professors in Law, participated in a Two-Day Workshop on ‘e-Governance Standards & Guidelines’ organized by C-DAC under the aegis of MeTY from July 10-11, 2023.

Dr. Parna Mukherjee, Associate Professor, ILNU, was nominated as External Member at Institute Innovation Council at Manipal Institute of Technology, Bengaluru in the academic year 2023.

Dr. Parna Mukherjee, Associate Professor, ILNU, was appointed as an Expert DAC member for Environmental Law Doctoral Study at Marwari University at Rajkot in the academic year 2023.

Dr. Varsha Ganguly, Research Head, ILNU, delivered a lecture on ‘Climate change and adaptation strategies of pastoralists of Kachchh’ in a workshop organized by South Asian Pastoralist Alliance & MARAG, on ‘Learning and Exchange program organized to Sustain Pastoralism’ as a preparatory activity for the International Year of Rangelands and Pastoralists (IYRP) on April 11, 2023.

### **Ongoing research collaboration/ new collaboration**

#### **New Collaboration**

Dr. Varsha Ganguly (Professor and Research Head, ILNU, procured a research project titled ‘Researching, Reliving, and Retelling the Stories of Bhil Tribal Valour and Heroism: Heroes of Mangarh Hill’ funded by ICSSR along with faculty members from the institutes of Technology & Pharmacy of Nirma University. She will be working as one of the Co-Project Directors from ILNU. This significant endeavour is scheduled for completion within 24 months.

#### **Revenue generated**

Financial Year	Consultancy	Testing	Training
2023-24	-	-	-
2022-23	306900		

### **Extension Activities/ Community services by Institute**

#### **Educational Visit to Anand Agricultural University**

ILNU organized an educational visit to Anand Agricultural University for the students to explore the theme ‘Farmers & Breeders Rights’ on April 6, 2023. The students attended a session on ‘Protection of Plant Varieties and Farmers’ Rights Act of 2001’. The visit also exposed them to an actual farm with different crops and method of sowing and promoted holistic understanding of the agricultural industry.

#### **Legal Aid Clinic Awareness Initiative**

On the occasion of its 17th Foundation Day, the Institute of Law under Legal Aid Clinic organized a Legal Awareness Program on Social Media for Women at an NGO called ‘Happy Faces’ which provides work opportunities through training women in preparation of useful items. The Legal Aid Clinic provided basic information about Cybercrime and various frauds related to it.

#### **Legal Aid Clinic’s Participation at State-Level Legal Aid Symposium**

Legal Aid Clinic, ILNU gave presentations on different activities of the clinic at the State-Level Legal Aid Symposium on the theme ‘Institutional framework for legal welfare and to appreciate them for the exemplary work done in the field of legal services to the society’ by GNLU on August 19, 2023. Inputs were also provided about the development of Legal Aid Activities in the round table conference.

### **Legal Awareness Drive By Pro-Bono Club**

- The Pro Bono Club visited Lapkaman village, Lilapur village, Vadsar village and the Mirzapur Court at Ahmedabad on September 6, 2023 with the aim to spread legal awareness as a part of the Pro-Bono legal services program. During these visits, the team established rapport with the local community, inquiring about any legal issues or remedies they might require. They documented these cases and aimed to enroll them as applicants under the *Nyaya Bandhu* scheme which connects them with lawyers. The team also helped them to join the platform, expanding the *Nyaya Bandhu* community and enabling lawyers to offer free or low-cost legal assistance to those in need.
- The Pro-Bono Club visited Valad village, Jamiyatpur village, Gheekanta court at Ahmedabad on September 20, 2023 with the aim to spread legal awareness as a part of the Pro-Bono legal services program. They collaborated with the District Legal Service Authority (DLSA) to connect advocates with the Mirzapur District Court. The team helped them join the platform, enabling lawyers to offer free or low-cost legal assistance to those in need.

### **ILNU Hosted the State Level Pro-Bono Meet**

ILNU hosted the State Level Pro-Bono Meet on October 4, 2023. The event was graced by Dr. Kalpesh Gupta (Chief Administrator of Gujarat Law Teachers Group and Pro-bono India) along with faculty members Dr. Anugraha Rajawat from Marwadi University, Dr. Navtika Nautiyal from NFSU, Dr. Salim Khan from Parul University, Dr. Mohit Mathur, Dr. Hardik Parikh from GNLU, Mr. Alaukik Srivastava from ILNU. The meet was conducted to plan welfare activities under the club.

### **Legal Awareness Program by Legal Aid Clinic**

Legal Aid Clinic committee at ILNU organized a Legal Awareness Program at Limbadia village in Gandhinagar on September 30, 2023. The aim of the visit was to create Consumer Rights and Cyber Crime awareness among school children and Health Hygiene awareness among girls. Posters and pamphlets of emergency important contact numbers and information about Legal Aid Clinic were put on display near the post office of the village Limbadia.

### **Awareness Program by NSS Unit**

NSS Unit at ILNU organized a One-Day visit to its adopted Lapkaman village on October 30, 2023. The main objective of the event was to introduce the new volunteers to the residents of the village and help them strike a connection with them. Also, a survey was carried out in relation to Bank frauds rampant in the area and people were made aware about preventing financial fraud. A few classes of Hindi Reading and Basic English were also organized along with games for the children of the village.

### **Thalassemia Test for First Year Students**

A Thalassemia Test was conducted for the first-year students in association with Indian Red Cross Society, Gujarat State. It was conducted in two phases on October 9 and 20, 2023.

### **Education Drive by NSS**

The National Service Scheme (NSS) at ILNU conducted an educational drive for the children of construction workers on October 28, 2023. This initiative, geared towards supporting underprivileged children, focused on imparting foundational knowledge.

### **Blood Donation Camp**

The NSS Unit at the Institute of Law and Institute of Commerce, in collaboration with Prathama Blood Bank, organised a Blood Donation Camp on February 13, 2024. This was the most successful Blood Donation Drive in the history of Nirma University with the collection of 540 Units in only 9 Hours.

## Awareness Drive by Centre for Child Rights Advocacy, Legal Aid Clinic and the Theatre Committee of ILNU

The Centre for Child Rights Advocacy, in collaboration with the Legal Aid Clinic and Theatre Committee, conducted an outreach initiative at Jamiyatpura Sreshth Shala on February 28, 2024. The team organized a street play to engage students and raise awareness about government scholarship schemes, promoting education accessibility. Initiatives like Skill India and Khelo India for holistic development were endorsed.

### New Memorandum of Understanding (MoU) signed/ collaborative activities done related to MoU/ Tie-ups with other organisation

#### ILNU signs an MoU with AI Firm

The Institute of Law, Nirma University signed a Memorandum of Understanding (MoU) with M/s. UNADA Lexilegal AI India Pvt. Ltd. (Under Corporation). The primary objective is to provide training for students in leveraging AI for both academic and professional assignments within the legal domain. This collaborative effort extends to testing, reviewing, and the ongoing enhancement of AI software products. Additionally, the partnership aims to facilitate product launches, fostering a dynamic exchange between academia and industry.

## IV INFRASTRUCTURE AND LEARNING RESOURCES

### Library Learning Resources added

Number of Book for Technical Subjects During the Year 2023-2024			
No. of Titles & Volumes Added During the Cumulative Year 2023-2024		Total No. of Titles & Volumes as on 31/03/2024	
Title	Volumes	Title	Volumes
415	543	9639	11920

Number of Book for Science & Humanities During the Year 2023-2024			
No. of Titles & Volumes Added During the Year 2023-2024		Cumulative Total No. of Titles & Volumes as on 31/03/2024	
Title	Volumes	Title	Volumes
255	289	2919	3380

No. of Periodicals Journals Including E-Journals During The Year 2023-24	
Added during the year 2023-2024	Cumulative Total as on 31/03/2024
(0 print), (+41 online), (-12 Discontinued)	28 Print + 3666 Online
Other Material Which Includes Software Icds Icassties Other Audiovisual Materials	
Added during the year 2023-2024	Cumulative Total as on 31/03/2024
CD/DVD-0	CD/DVD - 199
Video CD-17	Video CD - 270
Photo CD-03	Photo CD-173

## V STUDENT SUPPORT AND PROGRESSION

### Cut-off percentage marks – category wise

General Category: Marks 49 (CLAT Rank 7627)

NRI Sponsored Category: Marks 12 (CLAT Rank 36072)

### Student achievements

**6<sup>th</sup> TNNLU-CCI Moot Court Competition, 2024:** The team comprising Dhananjay Dubey (21BAL018), Sejal Chhablani (21BAL206), and Aditi Kashyap (21BAL162) participated at the 6th TNNLU-CCI Moot Court Competition, hosted by Tamil Nadu National Law University, Tiruchirapalli from March 24-26, 2024. The team's exceptional performance led them to secure the prestigious Runner-up position while clinching the esteemed title of Best Memorial.

**18th International Moot Court Competition, 2024:** The team comprising of Avantika Paul (21BBL012), Hetanshi Khajanchi (22BAL022), and Krishna Sorathia (22BAL033) have been adjudged as the 2nd Runners up of the Remembering Prof. S.P. Sathe: 18th International Moot Court Competition, 2024 on February 23-25, 2024. Additionally, for exceptional oral advocacy, Avantika Paul (21BBL012) bagged the award for Best Student Agent at the event.

### Hidayatullah International Moot Court Competition

The team comprising Aditi Bharadwaj (21BAL005), Kopal Ved (21BAL187), and Shaswat Ranjan (21BAL208) has been adjudged as the Runner up of the 1st Justice Hidayatullah International Moot Court Competition, 2024, hosted by HNLU Raipur on March 15-17, 2024.

### Herbert Smith Freehills National Moot Court Competition

The team comprising Daisy Jain (20BBL078), Divya Karda (20BBL081), and Krishnakant Bakliya (20BBL033) has been adjudged as the Runners up of the 16th NUJS – Herbert Smith Freehills National Moot Court Competition, 2024. Additionally, the team won the citation for Best Written Submission (Respondent), and Divya Karda received the citation for the best speaker. The competition was held on January 26-27, 2024.

Nandini Srivastava (22BAL099), Shreyanshi Animesh (22BAL123) and Srinanda Chatterjee (22BAL131) won for Best Memorial at the XXVIIth All India Moot Court Competition, 2023 organized by University Law College, Bangalore University, Bangalore from June 9-11, 2023.

Aviral Shrivastava (19BAL010) and Ashutosh Shukla (20BAL015) were adjudged as the Semi-Finalists at 13<sup>th</sup> GLC Mumbai Judgment Deliberation Competition (JDC) organized by the Students for the Promotion of International Law (SPIL), Government Law College, Mumbai on March 31, 2023 to April 2, 2023.

Jahnvi Mishra (20BAL099), Siddhartha Shrivastava (20BAL215) and Ayushi Tripathi (20BAL092) secured Runners Up position at 1<sup>st</sup> National Mediation Competition organized by Centre of ADR, School of Law, Sathyabama Institute of Science and Technology, Chennai on April 11, 2023.

Kanika Saxena (21BBL144), Riya Sharma (21BBL154) and Shruti Darak (21BAL216) secured Runners Up position at 6th Dastur National Moot Court Competition organized by GLC during May 27, 2023 to June 10, 2023.

Priyanshi Rachchh (19BAL094), Aarush Sharma (19BBL064) and Gaurav Kothari (19BBL079) won at 20<sup>th</sup> Surana and Surana National Corporate Law Moot Court Competition held on April 7-9, 2023, organized by JSS Law College, Mysuru in collaboration with Surana and Surana, International Attorneys. Additionally, Priyanshi Rachchh (19BAL094) was awarded as The Best Speaker.



### **Debate Achievements**

Pratishtha Agarwal (21BAL048) and Siddhartha Shrivastava (20BAL215) broke as adjudicators in the LSR Asian Parliamentary Debate 2023 organized by Lady Shri Ram College, Delhi University. Pratishtha Agarwal (21BAL048) judged the Open Semi-Finals and Siddhartha Shrivastava (20BAL215) judged the Novice Semi-Finals from April 14-16, 2023.

Siddharth Shrivastava (20BAL215) was declared as the 2nd Best Adjudicator in the DTU Summers Pre-UADC 2023. He chaired the Open Semi-Finals and adjudged the Novice Grand Finals from June 2-4, 2023.

Pancham Prabhune (20BAL040) broke as an adjudicator and went on to chair the Open Quarterfinals. Aarush Sharma (19BBL064) was Invited Adjudicator and panelist for the Open Quarterfinals at the DTU PD 2024, organised by the Delhi Technological University on January 13-15, 2024.

### **GNLU Debate 2023**

Ananya Kaushik (22BAL074) and Srinanda Chatterjee (22BAL131) were declared the Runners Up, and the team of Shubhamkar Bhandari (22BAL055) and Yashaswi Trivedi (22BAL062) were the Open Finalists, Partha Singh (21BAL123) and Shashvat Narindra (21BBL120) were adjudged as the Open Finalists of the tournament, and Srinanda was the Third Best Speaker of the tournament. Sreshta Chowdermet (22BAL185) clinched the title of Breaking Adjudicator and went on to be a panelist in the Novice Finals. Priyanshi Rachchh (19BAL094) and Aarush Sharma (19BBL064) were Invited Adjudicators in the tournament and both were on the panel of Novice Finals. Organised by Gujarat National Law University from September 1-3, 2023.

### **NALSAR Inter-Varsity Debate Competition 2023**

Tanshi Tiwari (21BAL225) clinched the title of Breaking Adjudicator, Yashaswi Trivedi (22BAL062) and Shubhamkar Bhandari (22BAL055) broke Novice. Partha Singh (21BAL123) and Shashvat Narindra (21BBL120) broke as a Reserve Team for the Open category at the NALSAR Inter-Varsity Debate Competition 2023 organized by the Debate Society of NALSAR University of Law, Hyderabad between September 8-10, 2023.

### **Bilingual National Level Debate**

Shubhamkar Bhandari (22BAL055) and Yashaswi Trivedi (22BAL062) won the National Debate Competition 1st JusManthan Vādah – An Indic Knowledge Systems (IKS) Based Bilingual National Level Debate Competition organized by MNLU Nagpur on August 4-5, 2023. Also, Mr. Shubhamkar Bhandari secured the title of Best Interjector and the Best Speaker for the motion.

### **IIT Bombay Grand Prix Debate Tournament**

Shivangi Sharma (21BAL211) and Tanshi Tiwari (21BAL225) were ESL Finalists at the IIT Bombay Grand Prix Debate Tournament held online from February 10-11, 2024.

### **16th Annual NUJS Parliamentary Debate**

Tanshi Tiwari (21BAL225) served as an adjudicator and panelist at the Open Octo-Finals and Novice Finals of the 16th Annual NUJS PD 2024, held from February 23-25, 2024 hosted by The West Bengal National University of Juridical Sciences. She was the 3rd Best Adjudicator. Siddharth Shrivastava (20BAL215) acted as an adjudicator and panelist at the Open Octo-Finals.

### **Other Achievements**

Renisha Sharma (22BAL110) won second prize at the inter-institute Hindi poem recitation competition on the occasion of Hindi Diwas organised by the Institute of Commerce, Nirma University on September 14, 2023.

The students' team from ILNU won the Runners' Up Trophy at the Patriotic Song Competition organized by Student Welfare Board, Nirma University in collaboration of Institute of Science, Nirma University on the occasion of 77<sup>th</sup> Independence Day on August 5, 2023.

### **Value added courses - 12**

1. Skill Lab-I – Communication Skills
2. Skill Lab-II - Debating and Argumentative Skill
3. Street Law
4. Internship – I (NGO / Civil Society Group)
5. Skill Lab – III – Moot Court Exercise
6. Internship – II – Trial Court
7. Skill Lab - IV - Social Responsibility and Community Engagement
8. Internship – III (Trial Court / High Court)
9. Skill Lab – V – Research Writing Skills
10. Internship – IV - (NGO / Trial Court / High Court / Law Firms / Supreme Court)
11. Skill Lab – VI – Professional Competency and Career Counselling
12. Internship with NGO / Trial Court / High Court / Law Firm / Supreme Court

### **Number of co-curricular activities organized**

#### **British Parliament Debate 2.0**

The ILNU Debate Society organized its flagship event ILNU British Parliament Debate (BPD 2.0) on February 16-18, 2024. The panel comprised of Juanita Hincapié Restrepo (Core adjudicator - World University Debating Championship 2025), Pranav Kagalkar (Deputy Core Adjudicator - World University Debating Championship 2025), Beatrice Cuizon (Winner – Asian British Parliamentary Debate 2023, Best Speaker in Asia), Ilija Ivanišević (Finalist -World University Debating Championship 2024), Abhishek Acharya (7th Best Judge – Malaysia UADC, 2023). The objective of the event was to provide a platform for global participation in competitive debating and collaborating among debaters from diverse background.

#### **Conquiz 2.0**

The Quiz Committee at ILNU organized Conquiz 2.0 on February 10, 2024 on the theme 'India during Independence and its constitutional aspects' which offered a platform to law enthusiasts to deepen their understanding of the challenges involved in the creation of the Constitution.

#### **Book Exchange Event**

The Literary Committee of ILNU organized the Book Exchange Event on February 9, 2024 with a "give a book, pick a book" theme. The initiative focused on fostering a love for reading, addressing logistics, and ensuring a secure and engaging experience for the ILNU community, marking the start of a series of planned literary events for the year.

#### **Intra-murals (National and International)**

The Moot Court Committee (Internals) at ILNU, organized the Intra Murals-Even Semester (National and International) event on February 4 and 11, 2024. The event was open to the second-year and the fifth-year students. The Moot proposition for the competition was authored by legal professionals including Mr. Ankit Tripathi (Alumnus, Batch 2019) and Shresth Vardhan (Alumnus Batch 2020). A total of 52 teams were registered for the Intra-murals National and 36 teams for international.

#### **A Field Visit for PG Students at IIM Ahmedabad**

ILNU conducted a visit for LL.M. PG students (pursuing a Public Policy course) to the JSW-School of Public Policy at IIM Ahmedabad in the month of March. Faculty members from the Public System

Group, including Prof. Ankur Sarin, Prof. Anish Sugathan, Prof. Sundaravalli, and Prof. Rammihan Turaga, shared their expertise and ongoing research with our students. The objective was to provide students further ideas and exposure about Public Policy beyond the classroom.

#### **A Field Visit at Anand Agriculture University**

ILNU students of the subject 'Farmers and Breeders Rights' visited Anand Agriculture University, Anand, Gujarat on April 6, 2023. The visit was on Protection of Plant Varieties and Farmers' Rights Act, 2001.

#### **Field Visit under Street Law Course**

ILNU organized a visit to the District Court, Gandhinagar, Consumer Commission, Family Court, Gandhinagar on March 27-28, 2023 for the students of semester IV as a part of the Street Law Course. Students interacted with judges, lawyers, and litigants during the court visit. Lawyers of the courts provided brief information about the court proceedings. Students also observed cross-examination of the witnesses. The presiding judge of the Consumer Commission Dr. Sandeep Pandya interacted with the students and encouraged them to file an online complaint on E-Dakhil.

#### **Student Club activities**

##### **Nukkad Natak on Hindi Diwas**

The Theatre Club 'Pratibimb' at ILNU celebrated *Hindi Diwas* on September 14, 2023 and captivated the audience with an enlightening play based on the importance of Hindi.

#### **Youth welfare and cultural activities**

##### **Tangerine: A Musical Event**

The Music Committee at ILNU organized its annual Musical Night Tangerine 9.0 on April 13, 2023 in the campus. The students of the institute performed Solo, Duet & Group songs from Classical to Contemporary genres.

##### **Navratri 2023: ILNU Hosts Raas Garba at NU**

On the occasion of Navratri 2023, the event of Raas Garba was hosted by ILNU and Student Welfare Board on October 27, 2023 at Nirma University campus.

##### **Concert in Blue 5.0**

The Music Committee of ILNU organized the fifth edition of Concert in Blue on November 5, 2023. This concert organized mainly for the new batch of first-year students showcased a diverse array of musical genres.

##### **Movie Screening**

The Movie Club at ILNU organized a special screening of the film '12 Angry Men' on November 9, 2023. The event showcased an intellectually stimulating and thought-provoking film, thoroughly enjoyed by all attendees, who later participated in the discussion about aspects related to law in the movie.

##### **Melange'24: A Talent Hunt Competition**

The Student Welfare Board at ILNU organized the Annual Talent Hunt competition MELANGE'24 on February 10, 2024. The competition was divided in three categories including Solo Singing, Solo Dance and Drama. The aim of the event was to provide the fresher's batch a platform to showcase their talent.

##### **Pravaah'24: A Dance Competition**

The Dance Committee at ILNU organized its first ever flagship event *Pravaah* on February 18, 2024. The aim of the event was to provide a platform for the students of ILNU to showcase their talent.

### **Poster-Making Competition**

Literary Committee at ILNU organized a Poster-Making Competition on the theme of Mental Health Awareness on February 20, 2024. The main aim of this competition was to raise awareness about the myths that are associated with mental awareness and how to cure them.

### **Crescendo: A Musical Evening**

The Music Committee organized a musical evening 'Crescendo' on February 29, 2024 in the campus. Students played soulful music some of which were original compositions inspired from their personal favorites.

### **Pro-Bono Club Visit**

The Pro Bono Club of the Institute of Law conducted a visit to Jammiyatpura village on March 6, 2024. The event witnessed legal experts from the community who highlighted the importance of legal aid services and educated villagers about their rights. The objective of the event was to provide legal assistance, enhance access to governmental services, and empower the community with knowledge about seeking legal help when needed.

### **Voter Awareness Campaign**

NSS unit of ILNU, along with the Electoral Commission, organized a voter registration event on March 28, 2024. The campaign aimed at educating and involving people in the voter registration process and emphasizing the importance of active participation in election processes.

### **Seven-Day NSS Residential Camp**

The NSS Unit, ILNU organized a Seven-Day Residential Camp at Lapkaman from March 1 - 7, 2024. The main objective of the event was to interact with the villagers through various events and activities like Cleanliness Drive, Voting Awareness Drive, Health Camp, Drawing Competition, CERC session on Financial Fraud, Diya Painting, Career Counselling Session, Self Defence Workshop and at the end a Cultural Night which included Prize Distribution, Dance Performances, Music Performances and a Nukad Nattak.

### **NU Conventional Debate 'Disceptatio' Organized by ILNU & SWB**

Institute of Law, Nirma University, in collaboration with Students' Welfare Board conducted 'Disceptatio' the first of its kind Nirma University Conventional Debate. The event was an intra-university debate competition which concluded on September 30, 2023. A total of 30 teams, consisting of 2 members each, across the university participated in the competition with 2 teams adjudicated as winners and runners'-up.

### **An Orientation on The Model United Nations**

The Model United Nations committee at ILNU organized an orientation programme on October 6, 2023. The orientation focused on making the first-year students familiar with the concept of MUN. The programme served as an introductory session to the concept of MUN, the United Nations, and its various aspects.

### **ADRC Intra-Murals**

The Alternative Dispute Resolution Committee at ILNU organized the 3rd edition of Learner's ADR competition for the first-year students on October 28, 2023. The competition offered the students an opportunity to hone their advocacy skills within the mediation process.

### **Intra-MUN**

MUN committee at ILNU organized the first-Intra MUN conference from October 28-29, 2023. The event comprised of 3 committees namely United Nations Humans Rights Council (UNHRC), Lok Sabha and International Press. It was an opportunity for the students to experience how MUN functions.

**Number of students passed the following examinations as applicable to the respective Institute: NET, SLET, CAT, TOEFL, GRE, GMAT, IELTS, GATE, GPAT, ICMR, etc.**

- 6 students have appeared and passed CLAT PG

#### **Alumni association – activities supporting students**

- Two Alumni meets have been organized in the academic year. One in Bangalore on July 1, 2023 for the undergraduate students, and one in Ahmedabad for the Master of Law students on August 5, 2023.
- CRC invites the Alumni for the Internship Viva and Professional Academic and Competency Test.

#### **Campus Placements**

The Campus Recruitment Cell has been facilitating and preparing the students for the legal industry and make them par with the changing paradigm. The cell coordinates recruitment drives, facilitate company visits, provides career counselling and help students with resume buildings and interview trainings by bringing the industry experts through the Industry Academia collaborations.

#### **Placement 2023 – 2024**

The Campus Recruitment Cell at ILNU organized the Placement Week in the month of August 2023 where firms including Lex Consult, Acuity Law and Teach for India visited. Key recruiters were KPMG, EY, Bajaj Allianz, Go Digit Insurance, Wadia Ghandy & Co, and Godrej Properties. Companies like KPMG, Agama Law Associates, Privy Legal, LawKnit Partners, India Juris visited first time to the campus.

Companies that offered PPOs include Trilegal, Chir Amrit Legal LLP, Agama Law Associates, Wadia Ghandy & Co, Shardul Amarchand Mangaldas & Co, Bharucha & Partners, Chandhiok and Mahajan, Lakshmikumaran & Sridharan, Privy Legal, Bombay Law Chambers, Asia Law Offices, and S & R Associates.

Highest Salary offered in 2023-2024 is 19.5 LPA from Trilegal. It is a Pre-Placement Offer. The average salary observed for the session till now is 7.07 LPA and median salary is 5.15 LPA.

The multiple positions that companies have offered the students are Management Trainee – Legal, Associate Consultant, Associate, and Junior Associate.

17 students are planning to opt for higher studies in India, USA and UK. Few colleges that the students are opting to pursue are Penn State, Cambridge University, NLU Assam, NLS Bangalore and NUJS Kolkata.

6 students who have opted for Entrepreneurship/Family Business.

#### **Other Placement details at a glance**

Out of 113 students who participated in the placement process, 41 students have been placed till date. Sectors/Domain of companies that hired students are Law Firm, Consulting, Power, Insurance.

#### **Gender wise Batch Statistics**

	<b>Girls</b>	<b>Boys</b>
Number of Students Placed	<b>26</b>	<b>15</b>
Students opted for Higher Studies	<b>9</b>	<b>8</b>
Students opted for Entrepreneurship	<b>2</b>	<b>4</b>

**Institute**  
**of**  
**Architecture & Planning**

## **Institute of Architecture & Planning**

### **INDEX**

<b>Sr. No</b>	<b>Particulars</b>	<b>Page</b>
<b>1</b>	<b>Outstanding Achievements and Important Activities</b>	<b>234 – 238</b>
<b>2</b>	<b>Curricular Aspects</b>	<b>238 – 239</b>
<b>3</b>	<b>Teaching-Learning and Evaluation</b>	<b>239 – 242</b>
<b>4</b>	<b>Research, Consultancy and Extension</b>	<b>243 – 247</b>
<b>5</b>	<b>Infrastructure and Learning Resources</b>	<b>247 – 248</b>
<b>6</b>	<b>Student Support and Progression</b>	<b>248 – 251</b>

### Outstanding Achievements and important activities

#### Rankings

- Institute of Architecture and Planning, Nirma University received 22<sup>nd</sup> rank at all India level by National Institute of Ranking Framework (NIRF) 2023, Ministry of Education (MoE), Government of India. It ranks 2<sup>nd</sup> in Gujarat State.

#### Events under International Collaborations

- Institute of Architecture and Planning, Nirma University (IAPNU) and ENSA, Mauritius worked on a Housing project under collaborative Studio. 28 students from Mauritius and 48 students from IAPNU were guided by Prof. Laurent Lescope ENSA, France, and Prof. Anna Maalacsim from ENSA, Mauritius along with Dr. Vibha Gajjar, Ar. Foram Bhavsar, and Ar. Imran Mansuri from IAPNU. They worked at IAPNU from April 13-20, 2023, and the studio continued on a virtual mode thereafter for the entire semester.
- IAPNU is a partner institute in the EU Erasmus + CBHE project. As a part of this project the Estonian University of Life Sciences (Tartu, Estonia) organised a summer school 'Engaging Science for Resilient and Livable Cities' (ENGAGE) from Aug 7 - 18, 2023. Prof. Utpal Sharma and Dr. Swati Kothary from IAPNU along with Prof. Neeru Bansal delivered expert lectures at ENGAGE.
- Faculty members from IAPNU Prof. Utpal Sharma, Dr. Swati Kothary, Dr. Vibha Gajjar, Ar. Purvi Jadav and Ar. Sneha Ramani attended the International Conference on Urban Landscape Architecture-2023 "Urban Nature Based Solution" held at Mongolian University of Life Sciences, Ulaanbaatar Mongolia from Oct 9 -11, 2023 as part of the ERASMUS+ URGENT Project funded by the European Union.

#### MoUs, Conferences and Workshops

- Institute of Architecture and Planning, Nirma University signed a Memorandum of Understanding with University of Catania, Italy. This partnership marks a new chapter in international collaboration, fostering academic exchange and shared expertise in the field of architecture and planning.
- The institute hosted the International Conference on "Urban Transformation and Heritage Conservation" on Feb 27, 2024. The conference featured 13 presentations by esteemed speakers from India, Germany, and Italy exploring the intricate relationship between historic cores and urban development. Invited as speakers. Prof. Miki Desai, Prof. K.T Ravindran, Prof. Utpal Sharma, Prof. Karl Zankl, Ar. Ashish Trambadia, Prof. Daniele la Rosa, Prof. Gunther Benkert, Ar. Debashish Nanak, Dr. Deepika Shetty, Ar. Sumesh Modi, Prof. Gitanjali Rao, Ar. Abhijeet Lakhia, and Prof. Pratima Singh shared their work. Proceedings of ICFU'22 by IAPNU was also released in this programme.
- The joint Heritage workshop of Technical University of Applied Sciences, Würzburg-Schweinfurt, Germany (THWS), IAPNU and Ahmedabad World Heritage City Trust, Ahmedabad (AWHCT) was arranged. Prof. Karl Zankl (THWS) and Ar. Jitendra Menghani mentored students through the workshop along with crucial inputs from Ar. Ashish Trambadiya (AWHCT). The duration of workshop was from Feb 26 to March 6, 2024.
- Dr. Laurent Lescop, professor at the Nantes' Superior School of Architecture (ENSA Nantes) mentored the workshop on BeeGraphy on March 29-30, 2024 along with Prof. Foram Bhavsar at



Institute of Architecture and Planning, Nirma University. This type of workshop was held in India for the first time.

- Prof. Lescop. Doctorate in Sciences with Habilitation, conducted a workshop on “AI and VR integration into design process” on April 18, 2023 for students of IAPNU.
- Dr. Tanushri Mokde and Mr. Krishna Yadav successfully completed a Clay workshop for students of IAPNU and ILNU in the month of February, 2024 under the banner of Center for Continuing Education (CCE) at Nirma University.

### **Major events organised**

- A FDP on academic writing was the extension of the first week conducted at the University level by Directorate of Research and Innovation, Nirma University. The second week was catered to subject-specific backgrounds. It was organized by IAPNU, under the guidance of Prof. Utpal Sharma and Dr. Aparna for the faculty members of Architecture, Planning, and Design from June 19 to July 1, 2023.
- The open house was conducted by IAPNU on July 22, 2023 in hybrid mode for B.Arch and M.Arch. The University information and Institute level information was shared to the forum followed by a question-answer session. The queries from the students and parents were answered during the session.
- The orientation program for B.Arch first semester students from August 24, 2023, to September 2, 2023, was a comprehensive and enriching experience. It not only equipped students with the knowledge of academic and university procedures but also ignited their passion for Architecture through hands-on workshops and practical exposure.
- The institute has started lecture by experts under Research Colloquy. Lectures were conducted by Dr. Supriya Pal on "Interpretations of Archival Research" on March 16, 2024 and by Dr. N Lalitha on "The Framework of Theory of Change in Impact Assessment" on March 23, 2024.
- One Act Competition hosted by the Institute of Architecture & Planning, as part of the Students' Welfare Activities was held on Feb 9, 2024. Judges at the event were Dr. Vikram Panchal and Dr. Rekha Mukherjee.

### **Students visits and Related Study Programmes:**

- A group of 39 students and 2 faculty members from IAPNU successfully completed an International exploratory Related Study Programme to France, Germany and Netherlands from July 9 to 20, 2023. During this tour students visited, experienced and understood places of architectural importance which are frequently cited in the theoretical and studio-based teaching process at IAPNU.
- A field studio at Nuwara Eliya, Sri Lanka (January 5 to 20, 2024) made students aware of the sensitive issues in hill towns. It focused on the importance of ecology and natural features, along with building a synergy with the character of the town developed during the colonial era. Total 79 students participated and worked on the studio.
- Related Study Program (RSP) at Kutch intended to study the vernacular techniques of mud earth construction. 40 students of first year architecture along with faculty members went to Kutch to study the same during Jan 2-13, 2024. They compared traditional & contemporary methods of construction during this trip.
- Kerala Related Study Programme focused on “Learning by measuring”. It helped to recognize the value of traditional architecture as well as importance of exploration and observation through

measure drawings in the field of Architecture. 48 students of second year got exposure to the built environment of the vernacular architecture of Kerala. It was planned from Dec 25, 2023 to Jan 4, 2024.

- The Related Study Programme of Fort Kochi, Kerala (Dec 25, 2023 to Jan 5, 2024) was organized with 31 students of B.Arch. second year from the Institute. The central premise of the visit was to study the institutional landmarks of the Fort Kochi area and understand their influence on people.
- A group of 47 students went to Zadoli village in Dediapada taluka for measure drawing Related Study Programme (RSP). The study and documentation were conducted in this tribal village in January, 2024. Prof. Lancet DCruz, mentor of the organization "Aadi Aushadh" and former head of Botany department at Xavier's College, Ahmedabad, also visited the village during the study and delivered a short lecture on ethnobotanical aspects of the local communities.
- Jaspur lake RSP (January, 2024) was dealt with an objective to embark on a transformative exploration of how a neglected urban feature can be re-imagined as a vibrant, sustainable, and inclusive asset for the community.

### Commendable Student works

- As a part of the National Architecture Students Association (NASA), students of the Institute designed a sustainable shelter at Shri A. K. Patel High School in Jaspur, Gandhinagar. In a short period of 11 days during the end of September and beginning of October 2024, students collected waste materials and transformed it into a functional and appealing leisure area at the school.
- 18 students of IAPNU, as part of the project 'Sustainable Horizons Initiatives - Where Tradition Meets Innovation' helped to construct a multipurpose hall for the children of Kedi School in Dharampur during January, 2024. Locally sourced material such as bamboo, bricks, mud, rope, and sustainable resources were used to lower expenses and integrate tradition with innovation.
- Kalp was organized on Feb 26-29, 2024. The event started with the inauguration of the Annual Exhibition by the chief guests for the event, Prof. K. T. Ravindran, former HoD of Urban Design at the School of Planning and Architecture, New Delhi; Gunther Benkert, a German Architect and Prof. Kishor Trivedi, practicing architect based in Rajkot and academician at Indubhai Parekh school of architecture. Students Committee of IAPNU organized the cultural events such as Talent Hunt, Kavitra-open mic, Cultural Night, Drum Circle, sports events, Fun Games, etc. for the students during Kalp.

### Details of dignitaries visited (International)

Sr No	Name of Dignitary	Designation & Organization	Purpose	Date
1	Ar. Gunther Benkert	FHWS, Germany	Guest lecture during URGENT Conference & KALP	Feb 28, 2024
2	Dr Laurent Lescop	Professor, Nantes' Superior School of Architecture (ENSA Nantes)	Guest Lecture	April 18, 2023
2	Dr Paola Sanguinetti	Director, The Design School in Arizona State	Guest Lecture 'Weaving Design Education,	April 18, 2023

		University's Herberger	Architecture and Technology'	
3	Dr Riccardo Privitera	Professor, University of Catania (Italy)	Expert Lecture and Panel Discussion under URGENT Project	September 15, 2023
4	Dr Daniele La Rosa	Professor, University of Catania, Catania	International Conference on Urban Transformation and Heritage Conservation under URGENT Project	Feb 24-27, 2024
5	Prof. Karl Zankl, Prof. Gunther Benkert Prof Jitendra Menghani	Technical University of Applied Sciences (Würzburg, Germany)	Joint heritage workshop 'Revitalising the Urban Core'	Feb 26 to March 6, 2024

#### Details of dignitaries visited (National)

Sr No	Name of Dignitary	Designation & Organization	Purpose	Date
1	Ar. Bhavin Shukla	Architect & Academician	Special Guest lecture for Foundation years	Aug 29, 2023
2	Ar. Senthilkumar Doss	Principal Architect and Founder at Play Architecture, Bangalore	Special Guest lecture for Material	Sept 29, 2023
3	Ar. Girish Doshi	Principal Architect and Founder at Navkar Architects, Pune	Invited Guest lecture	Oct 3, 2023
4	Ar. Sahil Rattha Singh	Principal Architect and Founder at Rattha Studio, Chennai	Invited Guest lecture	Oct 3, 2023
5	Ar. Amar Tendulkar	Principal Architect and Founder- Principal of Amar Tendulkar Architects (ATA), Mumbai	Invited Guest lecture	Oct 3, 2023
6	Prof. Manjunath Mahajan	HoD, Urban Design, SPA Delhi	Invited Guest lecture	Oct 31, 2023
7	Ar. Rahul Bhushan	Founder - NORTH, a creative, cultural and social organization in Himachal	Special Guest lecture for Vernacular architecture	Feb 6, 2024
8	Ar. Harsh Goel & Dr. Supriya Pal	INI Design Studio & Nirma University	Invited Guest lecture	Feb 15, 2024

9	Ar. Kishore Trivedi	Director, IPSA school of architecture & practitioner	Exhibition of his works and Guest lecture during KALP	Feb 26, 2024
10	Ar. K.T.Ravindran	Professor and head of Urban design at SPA, Delhi	Invited Guest lecture for KALP	Feb 26, 2024
11	Ar. Prasanna Desai	Principal Architect and Founder at PDA - Prasanna Desai Architects	Invited Guest lecture	March 28, 2024

## I CURRICULAR ASPECTS

### New courses being offered

- Introduction of new electives in the elective pool of Semester-VIII, IX and X. The following electives have been added to the Elective Pool to be offered to students registered in the said semesters.  
2AREB32 – Advanced Building Information Modelling (BIM)  
2AREB33 – Drone Mapping and Photogrammetry  
2AREB34 – Traversing Ahmedabad  
2AREB35 – Personality Development
- Basic Design Studio-I – in place of Architectural design Studio-I and Basic Design-I, by merging the common components of syllabus of both the courses.

### Number of courses where major revisions are made

- Revision in Teaching & Examination Scheme of courses Building Construction & Services (2AR663) and Environmental Design and GIS Application (2AR664) of Semester-VI of B.Arch. programme to be made effective for the students to be registered in Semester-VI from academic year 2023-24 onwards. And, replacing and University Elective to Open Elective/ Institute Elective for the students to be registered in Semester-VI from academic year 2023-24 onwards.
- Revision in Teaching & Examination Scheme of courses Building Construction & Services (2AR663), Revision in Teaching & Examination Scheme of courses Environmental Design and GIS Application (2AR664), Replacement of University Elective course to Open Elective/ Institute Elective course and the subsequent revision in credits and hours of 3 credits, that were of University Elective, to 2 credits, that are of Open Elective/ Institute Elective.
- Revision in the Teaching & Examination Scheme of Semester-X of B.Arch. programme in pursuance to new guidelines of Council of Architecture, to be made effective for the students to be registered in Semester-X from academic year 2023-24 onwards.
- Revision in hours and course contents of Research Thesis 2AR1061, Revision in credits of the course Professional Practice 2AR1062 and Field Studio course is added in Semester- X. Students can register either for 2AR1066 (Related Study Programme-VII) or 2AR1067 (Field Studio) in this semester (Sem-X).
- Revision in the overall programme structure, to be made effective for the students to be admitted from academic year 2024-25 onwards, for 5 year BArch programme. In lieu of the revised

programme structure, revision in TES of Semester-I of BArch programme be made effective for the students to be registered in Semester-I from academic year 2024-25 onwards.

- Revision in Nomenclature and Syllabus of History & Theory-I: Sociology and Culture (2AR182) course and Visual Representation course (Supplementary course) to be removed in Semester-I.
- Revision in Course Learning Outcomes (CLO) and Syllabus of Architectural Design Studio-IV and Architectural Design Studio-V, by way of swapping their CLO and Syllabus, for the students to be registered in Semester-IV and Semester-V from academic year 2023-24 even term onwards.
- Incorporating blooms taxonomy in course syllabus with new course code as per new course code policy of the University from Semester – I to VII of BArch Programme, to be offered for students to be admitted in academic year 2023-24 onwards.

#### **Any other Initiative/Innovation in the curricular design**

- IAPNU and ENSA, Mauritius worked on a Housing project under collaborative Studio. 28 students from Mauritius and 48 students from IAPNU worked on a Housing project having one site in Mauritius and one in Bhuj for the artisan community. They were guided by Prof. Laurent Lescope ENSA, France, and Prof. Anna Maalacsim from ENSA, Mauritius along with Dr. Vibha Gajjar, Ar. Foram Bhavsar, and Ar. Imran Mansuri from IAPNU. They worked at IAPNU from April 13 to 20, 2023 after it the studio continued on a virtual mode thereafter for the entire semester.
- The group of 28 students and 2 faculty members from Nantes Mauritius and France visited IAPNU from March 25 -30, 2024. They jointly worked on the Urban design studio of Srinagar focusing on Water Urbanism. The collaboration helped students on either side to exchange their points of view for developing a vision plan in the study area of Srinagar. They also visited Ahmedabad City to get an idea of Indian city development and see some important landmark buildings of Ahmedabad.

## **II TEACHING-LEARNING AND EVALUATION**

### **Number of faculty completed/pursuing Ph.D.**

**Completed Ph.D. : 06**

**Pursuing Ph.D. : 17**

### **Innovation in Teaching - Learning & Evaluation**

- For giving a practical experience to students many visits and lectures are conducted during the year. Some to mention includes-Students of first-year IAPNU visited Stone Quarry at Ambaji on April 15, 2023. Students learnt the various stages and processes from fetching the stone and making stone slabs out of it by various slicing methods.
- For imparting practical and professional inputs various methods are adopted such as Workshop with Archeological and Tourists Department, on field studies for the town of Vadnagar, Interaction with Mehsana district officials and Vadnagar Nagarpalika office, 'Urban Form' workshop and field study in collaboration with Department of Architecture and Planning, Malaviya National Institute of Technology - Jaipur.
- Application of Project management techniques in a live project for entire semester was conducted for 8th semester students for better understanding of concepts. Furthermore, students were asked to apply this knowledge for proposing sci-fi city modelling including structures, electrical, plumbing and HVAC modelling.

- The institute encourages various lectures and workshops that give advancement in skill and learning practicality and workability. Hence, workshops like furniture making, pottery, clay workshop, theatre workshop are infused within the academic year.
- Ancient civilizations were discussed with inclusivity of indigenous materiality, climatic consideration, topographical and territorial placements along with mighty engineering. Student assignments on above were previewed under Architecture & Urban Design, Art, Literature, clothing and lifestyle along with furniture and objects and presented in class.

### Activities to sustain healthy practices

- The social work trip to Manav Mitra Community Centre and Manav Gulzar in Ahmedabad was organized as a part of the BArch curriculum for the students of Semester-V. It proved to be an enriching experience in terms of understanding the nuances of social work and community engagement. 88 students participated in the trip.
- During the 7 days residential camp at Vautha village during Dec 23-29, 2023 various programmes like Tree Plantation, Single Use Plastic awareness, etc. was conducted.
- Eighteen students of IAPNU, as part of the project ‘Sustainable Horizons Initiatives constructed a multipurpose hall for the children of Kedi School in Dharampur in January, 2024. Improvised traditional techniques and locally sourced material such as bamboo, bricks, mud, rope were used for the project.
- As a part of the National Architecture Students Association (NASA), students of the Institute designed a sustainable shelter at Shri A.K. Patel High School in Jaspur, Gandhinagar during 10-29 September, 2023. Students collected waste materials and transformed it into a functional and appealing leisure area at the school.
- IAPNU hosted a one-hour Shramdaan event for cleanliness. Thirty students enthusiastically participated in different cleaning and environmental awareness-related tasks. The initiative featured a clean-up effort on the institute grounds and an emphasis on spreading awareness of the negative consequences of single-use plastics. Students also utilized social media as a platform to spread the word about maintaining clean environments, highlighting the significance of shared responsibility in preserving a clean and sustainable environment.

### Exam Reforms implemented

- As a part of evaluation system, the students gets inputs from a jury in the final review that cannot be incorporated in the final portfolio. Hence, this time pre-final jury was arranged across all semesters to have critical comments to improve upon student work and work output.

### Number of Faculty Development Programmes availed by the faculty

Sr. No	Name of the faculty	Name of FDP	Name of Organizer	Duration
1	Ar. Biswanath Mudi	Empathy Building Mental Health Workshop	Council of Architecture Training and Research Center (CoA-TRC)	July 24-28, 2023
2	Dr. Tanushri Mokde	Workshop on Academic Writing	IQAC, Nirma University	June 19-July 1, 2023

3	Ar. Shweta Suhane	FDP 2023 - Two-week Workshop on Academic Writing organized by IQAC, Nirma University and IAPNU	Nirma University	June 19-July 1, 2023
4	Ar. Purvi Jadav	FDP 2023 - Two-week Workshop on Academic Writing organized by IQAC, Nirma University and IAPNU	Nirma University	June 19-July 1, 2023
5	Ar. Jitesh Mewada	FDP 2023 - Two-week Workshop on Academic Writing organized by IQAC, Nirma University and IAPNU	Nirma University	June 19-July 1, 2023
5	Ar. Sujan Umaraniya	FDP 2023 - Two-week Workshop on Academic Writing organized by IQAC, Nirma University and IAPNU	Nirma University	June 19-July 1, 2023
7	Ar. Parag Mistry	FDP 2023 - Two-week Workshop on Academic Writing organized by IQAC, Nirma University and IAPNU	Nirma University	June 19-July 1, 2023
8	Prof. Jaydeep Bhagat	FDP 2023 - Two-week Workshop on Academic Writing organized by IQAC, Nirma University and IAPNU	Nirma University	June 19-July 1, 2023
9	Ar. Prachi Patel	FDP 2023 - Two-week Workshop on Academic Writing organized by IQAC, Nirma University and IAPNU	Nirma University	June 19-July 1, 2023
10	Ar. Nishant Kansagara	FDP 2023 - Two-week Workshop on Academic Writing organized by IQAC, Nirma University and IAPNU	Nirma University	June 19-July 1, 2023
11	Ar. Pratima Singh	FDP 2023 - Two-week Workshop on Academic Writing organized by IQAC, Nirma University and IAPNU	Nirma University	June 19-July 1, 2023
12	Ar. Jitendra Menghani	FDP 2023 - Two-week Workshop on Academic Writing organized by IQAC, Nirma University and IAPNU	Nirma University	June 19-July 1, 2023
13	Ar. Sneha Ramani	FDP 2023 - Two-week Workshop on Academic Writing organized by IQAC, Nirma University and IAPNU	Nirma University	June 19-July 1, 2023

14	Ar. Foram Bhavsar	FDP 2023 - Two-week Workshop on Academic Writing organized by IQAC, Nirma University and IAPNU	Nirma University	June 19-July 1, 2023
15	Mr. Krishna Kumar Yadav	FDP 2023 - Two-week Workshop on Academic Writing organized by IQAC, Nirma University and IAPNU	Nirma University	June 19-July 1, 2023
16	Dr. Supriya Pal	FDP 2023 - Two-week Workshop on Academic Writing organized by IQAC, Nirma University and IAPNU	Nirma University	June 19-July 1, 2023

**Number of Faculty Development Programmes organized by the Institute in following categories: Refresher/STTP, Induction, Computer Application, Soft Skills, Pedagogy, Quality, etc.**

- A FDP on academic writing was the extension of the first week conducted at the University level by Directorate of Research and Innovation, Nirma University. The second week was catered to subject-specific backgrounds. It was organized by IAPNU, under the guidance of Prof. Utpal Sharma and Dr. Aparna for the faculty members of Architecture, Planning, and Design from June 19 to July 1, 2023.
- Dr. Tanushri Mokde gave an expert lecture in 5-Day National Online Training Programme titled "Sustainable Horizons: Methodological Innovations in Architecture and Urbanism aligned with SDGs" organised by IIT BHU and Manipal University from Nov 20-24, 2023, where Dr. Tanushri conducted session on Nov 22, 2023.

**Invited/ Endowment lectures**

- Guest lecture by Ar. Rahul Bhushan, an Eco-Architect, entrepreneur, educator, at Himachal. Ar. Rahul Bhushan adopts an alternative approach, treating the organization as an ecosystem. His guest lecture was organized on Feb 6, 2024.
- On Oct 21, 2023, a session on 'Psychology of Money' was organized by Indus Capital & HDFC Asset Management Company and hosted by the Women Development Cell under IAPNU. The session was led by Ms. Prarthana Dave, a Financial Educator.
- An expert lecture was held on March 28, 2024 at IAPNU by Ar Prasanna Desai who is developing design pedagogy in the public realm. He presented his journey through redevelopment work and insightful discussions on the Aundh, Pune Cycle Plan, and Smart City Pilot, Street elements, and more.
- IAPNU organized a guest lecture on the Thermal Profile of different Built Forms. The session was conducted by a field expert Dr. Surabhi Mehrotra, MANIT, Bhopal on April 13, 2023.
- Presentation by Dr Akhlaq Wani on Urban Ecology insights with reference to Blue and Green Landscape of Srinagar City as Part of URGENT Project on Jan 31, 2024.
- Special Lecture by Prof. Shri Iftikar Hakim on Srinagar Master Plan as part of URGENT Project on Feb 3, 2024.



### III RESEARCH, CONSULTANCY & EXTENSION

#### Ongoing Major Research Project

Sr. No.	Title of the Project	Project Investigator/s	Funding Agency	Grant (in Rs.)
1	Urban Resilience and Adaptation for India and Mongolia: Curricula, Capacity, ICT and Stakeholder Collaboration to Support Green & Blue Infrastructure and Nature-Based Solutions / Urgent	Dr. Swati Kothary (International Multi-Institutional Collaborative Project)	Erasmus+ Capacity Building for Higher Education (Erasmus+ CBHE), European Union	65,83,300/-
<b>Total Grant</b>				<b>65,83,300/-</b>

#### Sanctioned/Ongoing/Completed Minor Research Project Funded by Nirma University

Sr. No.	Title of the Project	Project Investigator/s	Funding Agency	Grant (in Rs.)
1	Modelling Urban Heat Island Impact On Energy Consumption – Case of Ahmedabad City	Prof. Purvi Jadav	Nirma University	1,70,000/-
2	Deliverable to Improve Urban Greens for Ahmedabad City by Addressing the Agendas of SDG.	Prof. Shweta Suhane	Nirma University	1,68,000/-
3	Optimizing Residential Urban Form: A Generative Approach to Explore Urban Form Potentials Based on Environmental Performance	Prof. Foram Bhavsar	Nirma University	2,00,000/-
4	Optimizing Urban Form: Analyzing the role of a building edge contributing to the public realm in Indian Cities.	Prof. Swati Kothari	Nirma University	1,62,000/-
<b>Total</b>				<b>7,00,000/-</b>

#### Research Publication

1. Jvalant Devrukhkar, Jitendra Menghani, “Understanding the Relationship Between Daylighting and Spatial Character: A Case of two Museums in Gujarat”, International Journal of Technology Engineering Arts Mathematics Science, (2023), Special Issue (1), 464-472

#### Book Publications

Sr. No.	Name of the Faculty	Name of the Book	Name of Publishing House	ISBN	Year of publication
1	Tanushri Ajay Mokde	L2 Units Studio Catalog (Spring 2023)	Ideas Academic Cell	978-81-960334-1-5	2023

## Book Chapter Publications

Sr. No.	Name of the Faculty	Name of the Book Chapter	Name of the Book	Name of Publishing House	ISBN	Year of publication
1	Krishna Yadav Kumar	The Banaras Toys Colours of Life	Study On Indian Handicraft's	Sucharitha Publications	978-93-83729-32-6	2023
2	Krishna Yadav Kumar	The Modern Painting- Journey of Printmaking In India	Study On Indian Handicraft's	Sucharitha Publications	978-93-83729-32-6	2023

## Conference/s attended by faculty and paper presented

Sr.No.	Type of Conference	Name of Faculty	Conference details	Date/s	Title of Paper Presented
1	National	Ms. Pratima Sigh	7Th Annual Convention of Ises with Special Reference To "Earthquake, Landslide, Subsidence and Glacial Hazards"	May 25-27, 2023	Seismic Risk Assessment of Traditional Cultural Heritage: A Case of Ahmedabad Walled City
2	International	Ar.Jvalant Devrukhkar And Ar.Jitendra Menghani	International Architecture Conference-2023 Architecture/Planning- Education, Research & Profession: Past, Present & Future	July 17-18, 2023	Understanding The Relationship Between Daylighting and Spatial Character: A Case Of L.D. Museum In Ahmedabad
3	International	Ar. Foram Bhavsar Ar.Viral Bhavsar, Ar.Dinal Mehta, Dr. Vibha Gajjar	Isvs 12	Nov 9-11, 2023	Sustainable Potentiality of Achieving Thermal Comfort in Vernacular Ladakhi Dwellings In Cold Desert Of India: Case Study Of Ladakhi Houses In Leh, Ladakh
4	International	Ar.Prachi Patel, Dr. Swati Kothary, Ms. Utsavi Shah	4 Th International Conference on Environmental Design	Oct 20-22, 2023	Contribution Of Tactical Urbanism at Street Edge and Building Edge in Indian Cities

5	National	Ms.Rita Nayak, Dr.Swati Kothary	National Conference on Built Environment and Beyond 2.0: Theory, Practice and Pedagogy	Nov 2-3, 2023	Investigating Placemaking as A Tool to Minimize Social Fragmentation of Heterogeneous Marginalized Gated Neighborhood in A Metro City - A Case of Project Affected People's Neighborhood in Mumbai
6	National	Ms. Utsavi Shah and Dr. Aparna	Icssr-Sponsored National Seminar On "Growth Trajectory in Gujarat: Public Policy Intervention	Jan 29-30, 2024	Impact Of Narmada Canal on Agriculture Based Livelihoods in Gujarat: The Case of Maliya Branch Canal
7	International	Ms. Prutha Shah, Dr. Aparna	Calibrating Urban Livability in Global South	March 26-29, 2024	Influence Of Urban Forms on The Land Surface Temperature – The Case of Ahmedabad City

#### Extension Activities/ Community services by Institute

Sr. No.	Name of cultural (youth welfare) activity/event	Date & duration	Organizing club/inst./ committee	No. of student participants	Name of faculty Involved	Short Description of the event
1	Site Visit to identify social need	Aug 23, 2023	IAPNU & Manav Sadhna NGO	62	Ar. Biswanath Mudi Ar. Purvi Jadav	The event was an exposure tour to NGO Manav Sadhna and its various activities in slums.
2	Swachhta Hi Sewa	Oct 2, 2023	IAPNU	71	Dr. Tanushri Mokde, Ar. Biswanath Mudi	The "Swachhata Hi Seva" campaign in India aims to teach people the importance of cleanliness, from personal hygiene to our nation's well-being.
3	Trash-to-Treasure School Shelter at Shri A.K Patel High School, Jaspur, Gandhinagar, Gujarat,	Oct 14- Nov 4, 2023	IAPNU & Shri A.K Patel High School	80	Dr. Tanushri Mokde, Ar. Biswanath Mudi	Waste materials were transformed into a functional and appealing leisure area at the school by IAPNU NSS volunteers for school children.

4	Constitution Day	Nov 26, 2023	IAPNU	28	Dr. Tanushri Mokde, Ar. Biswanath Mudi	Highlights the celebration of Constitution Day and its importance at campus.
5	Project Uplift: Essential Product Donations for Schoolchildren	Nov 11,- Dec 2, 2023	IAPNU & Manav Sadhna NGO	98	Dr. Tanushri Mokde, Ar. Biswanath Mudi	The project aimed at addressing prevalent social issues and making a positive impact on the lives of schoolchildren.
6	7-Day NSS Residential Camp at Vautha village, Dholka	Dec 23-29, 2023	NSS unit IAPNU & Vautha village	40	Ar. Biswanath Mudi Ms. Pratima Singh	The camp aimed to foster community engagement and social responsibility among participants while addressing various community needs.
7	Sustainable Horizons Initiatives – Where Tradition Meets Innovation. Location: Kedi School, Nagaria, Dharampur.	Jan 3-21, 2024	IAPNU	18	Ar. Biswanath Mudi	Construction of a multipurpose hall for tribal school children, emphasizing tradition and innovation.
8	TTEC Wellness Walk 2024- To Support Manavgulzar	Feb 18, 2024	TTEC	60	Ar. Biswanath Mudi Mr. Krishna Yadav Ms. Pratima Singh	It was a wellness walk carried out to show the importance of health benefits, spreading public awareness. Also, supporting manav Gulzar.
9	Free Health Check Up at Nirma University	Feb 28, 2024	IAPNU	15	Ar. Biswanath Mudi Mr. Krishna Yadav Ms. Pratima Singh	The initiative aims to promote health and well-being within the academic community by providing access to essential health services.
10	My first vote for the country	March 17, 2024	IAPNU	60	Ar. Biswanath Mudi Mr. Krishna Yadav Ms. Pratima Singh	The event aimed to engage young voters and stress the importance of voting for the nation.

11	Voter ID Registration Campaign (in collaboration with IMNU)	March 28, 2024	IAPNU	20	Ar. Biswanath Mudi	To spread awareness on the importance of vote id. Providing facilities to update voter id cards and new registration for voter id card.
----	---	----------------	-------	----	--------------------	---

**New Memorandum of Understanding (MoU) signed/ collaborative activities done related to MoU/ Tie-ups with other organisation**

Sr. No.	Organization	Date of Signing MoU	Level
1	School of Agroecology, Mongolia University of Life Science, Mongolia	June 29, 2023	International
2	Ariel University	Aug 17, 2023	International
3	Manjri Foundation NGO	Oct 21, 2023	National
4	University of Catania, Department of Civil Engineering and Architecture	Nov 30, 2023	International
5	Amar Tendulkar Architects	Feb 29, 2023	National

**Linkage with national/international academic/research bodies**

Sr. No.	Activity	Date	Expert involved
1	Project Meeting at University of Catania, Italy as part of URGENT Project	June 28-30, 2023	Prof Utpal Sharma Dr Swati Kothary
2	Visit of Dr. Anton Scharuba, Estonia University of Life Sciences, Tartu, Estonia to IAPNU for Seminar, Expert Lecture, Panel Discussion, Final Jury of B Arch Research Proposal, RAC of Prachi Patel under URGENT Project	Nov 30- Dec 7, 2023	Dr Anton Scharuba Dr. Swati Kothary
3	Visit of Dr. Daniele La Rosa, University of Catania, Catania, Italy to IAPNU for RAC of Ar Rita Nayak and International Conference on Urban Transformation and Heritage Conservation under URGENT Project	Feb 24-27, 2024	Dr Daniele La Rosa Dr. Swati Kothary

**IV INFRASTRUCTURE AND LEARNING RESOURCES**

**Computer facilities added**

Sr.No	Computer Device/ Software	Number
1	Lenovo P14s Mobile Workstation (Device)	12
2	Sketch up pro (Software 1 Year Subscription)	30
3	Adobe creative cloud (Software 1 Year Subscription)	10
4	Envi met (Software 1 Year Subscription)	50
5	Rhino 7 (Software 1 Year Subscription)	35

## Library Learning Resources added

Library Details of the Institute of Architecture & Planning library	
Books (Vol)	145 Volumes added (Total Volume 4218)
Books (Titles)	59 titles added (Total Title 3589)
E-Books	220
Periodicals (Print)	9 print Journals + 413 Online Journals (370 EBSCO Art & Architecture & 43 Sage Urban Studies & Planning Collection)
Online Journals Packages	2
Newspapers	8
Dissertation/Project Report	446 (327 Architecture + 119 Planning)
Electronic Media	137
Photo Albums	6
Bound Volumes	93
Institute Membership	3 (CEPT library)

## V Student Support and Progression

### Number of students receiving government scholarship/fellowship

SC	ST	SEBC	MYST	Total
8	3	5	26	42

### Cut-off percentage marks – category wise

All India category: 69.55 merit marks      NRI category: 54.75 merit marks

### Value added courses

- Installation Design and Execution-2ARV01, 2MAV01
- Appropriate & emerging material & technology in construction -2ARV02
- Portfolio Making -2ARV03
- Performing Arts (Dance, Drama, Music)-2ARV04, 2MAV02
- Representation Skill development-2ARV05,2MAV03
- Visualization Skills-2ARV06, 2MAV04
- Movie Making-2ARV07, 2MAV05
- Soft Skills for Professionals-2ARV08, 2MAV06
- Art in Architecture-2ARV09
- Graphic and Product Design-2ARV10

### Number of co-curricular activities organized

Sr. No	Name of the activity	Date of event	Short Description
1	Skit on structure and architecture	January 25, 2024	Students of 3rd semester displayed their learnings through a play.

### Students club in the institute

There are various students clubs in the institute that includes Dance club, Music club, Drama club, Sketching club, Art and Craft club, and Photography club.

### Sport activities

- Inter Institute Table Tennis Tournament 2023 was organized by The Students' Welfare Board and IAPNU. The event was a commendable display of sportsmanship, teamwork, and enthusiasm. The tournament took place on Oct 30-31, 2023, and it featured participation from various institutes under Nirma University.

### Youth welfare and cultural activities

Sr. No.	Name of event	Date	Organizing club	Level of Event	No. of student	Short Description of the event
1	Independence Day Celebration	August 15, 2023	Cultural welfare, IAPNU & SWB	Inter - University		IAPNU hosted the Independence Day on 15 <sup>th</sup> August 2023.
2	Orientation Day	Aug 24-Sept 2, 2023	Cultural welfare, IAPNU	Institute level	220	Orientation day was organised to help the newly admitted first year students of B.Arch. and M.Arch. The orientation program has a series of expert lectures and workshops at the institute.
3	Teachers' day Celebration	Sept 3, 2023	Cultural welfare, IAPNU	Institute level	230	There were exciting games and events organized by student council.
4	Dahi Handi Celebration	Sept 12, 2023	Cultural welfare, IAPNU	Institute level	70	The students participated in the event with great enthusiasm and the teams competed at the institute level for Dahi Handi.
5	Ganesh Chaturthi	Sept 28, 2023	Cultural welfare, IAPNU	Institute level	250	A sustainable and organic Ganesh idol was prepared by the students and the festival was celebrated with enthusiasm.
6	Foundation day & World Habitat Day	Oct 3, 2023	Cultural welfare, IAPNU	Institute level	210	This year the foundation day was clubbed with World Habitat Day where a series of Expert lectures were introduced to the students by various practicing architects.
7	One Act Play	Feb 9, 2024	Cultural welfare, IAPNU & SWB	University level	30	IAPNU & SWB hosted One Act Play on the theme "Modern Society".

8	Kalp	26-29 Feb, 2024	Cultural welfare, IAPNU	University level	170	Student fest was celebrated with great enthusiasm with various formal and informal activities.
---	------	-----------------	-------------------------	------------------	-----	--

### Performance in sports activities

Sr. No	Name of Activity/event	Date	Organizing club/inst./committee	Level of Event	No. of student participants	Achievement/s
1	Inter Institute Volleyball Tournament	Oct 19-20, 2023	ISNU	Institute	24	Runner up
2	Inter-Institute Table Tennis Tournament	Oct 30-31, 2023	IAPNU	Institute	6	Champion (Male category)
3	Inter Institute Chess and Carrom Competition	Nov 2-3, 2023	ICNU	Institute	10	Runner up
4	Inter-Institute Football	Jan 29-30, 2024	IMNU	Institute	25	Runner up
5	Table tennis	Feb 10-13, 2024	GNLU	Inter-University	1	Runner up
6	Table tennis (Nirma Cup)	Mar 4-7, 2024	IPNU	Institute	1	Winner
7	Volleyball (Nirma Cup)	Mar 4-7, 2024	IPNU	Institute	1	Runner up

### Incentives to outstanding sports person

To encourage the students for the sports activities, the institute gives special leave to students from their regular class. The participants get the certificate of participation and extra credits for respective subjects, which will help them in future.

### Alumni association – activities supporting students

- Alumini of the institute 14BAR033 – Ar. Shriraj Gohil was invited to present his thesis titled ‘Understanding the pattern of Incremental Approach in Lower Income Group Housing’ on May 22, 2023. He also accompanied the students for the Bhuj site visit. He was further invited as a jury for 4th semester Housing studio, where he gave insights on low income group and artisans of the community.
- Alumini of the institute 15BAR066 - Ar. Jigar Rathod was invited for a talk on her Thesis titled – ‘An inquiry into the relationship between roof and building layout, case of Kerala traditional architecture.’ 42 students of Sem VIII- Sec B took advantage of this presentation.



### **Activities of Guidance & Counselling unit**

Counselling is an integral part of the Placements. There are regular counselling sessions with the students of Architecture. Helping students create their CV and portfolios or writing professional emails is part of such activities. A session on grooming, do's and don'ts at the interview at the institute is held before every placement drive for the participating students.

### **Campus Placements**

The placement cell at IAPNU organized recruitment drive in which various firms and companies conducted a rigorous screening process followed by interviews.

### **Placements 2023-24**

During the academic year 2023-24, highest salary package offered was Rs 6.0 lakh per annum by Larsen & Toubro. The average salary is 4.78 lakh per annum, while median salary is 4.5 lakh per annum.

The Role/Profile offered to students included Jr. Architect, Graduate Engineer Trainee, Engineer Trainee - Architecture and Jr. BIM Architect.

Total 11 students are going for Higher studies in institutes including UNSW Sydney, University of Melbourne, Georgia Institute of Technology, Sarvajanic University, CEPT University, Northeastern University, Boston Architectural College and Illinois Tech University.

### **Other Placement details at a glance**

Number of students opted for Entrepreneurship: 33

Number of students opted for Placement: 27

Number of students placed: 21

Number of companies that participated in the Placement process: 6

### **Gender-wise Batch Statistics**

	<b>Girls</b>	<b>Boys</b>
<b>Number of students placed</b>	18	3
<b>Students opted for Higher studies</b>	7	4
<b>Students opted for Entrepreneurship</b>	16	17

**Institute  
of  
Commerce**

## **Institute of Commerce**

### **INDEX**

<b>Sr. No</b>	<b>Particulars</b>	<b>Page</b>
<b>1</b>	<b>Outstanding Achievements and Important Activities</b>	<b>253 – 254</b>
<b>2</b>	<b>Curricular Aspects</b>	<b>254 – 254</b>
<b>3</b>	<b>Teaching-Learning and Evaluation</b>	<b>254 – 258</b>
<b>4</b>	<b>Research, Consultancy and Extension</b>	<b>258 – 263</b>
<b>5</b>	<b>Infrastructure and Learning Resources</b>	<b>263 – 264</b>
<b>6</b>	<b>Student Support and Progression</b>	<b>264 – 269</b>

## INSTITUTE OF COMMERCE

### Outstanding Achievements and important activities:

During the AY 2023-24, the institute organised several academic, co-curricular, and extension, activities. This year Institute hosted a National Level Accounting and Technology based “ACCATHON 2024”, at Nirma University in collaboration with Indian Accounting Association and Institute of Technology, an interdisciplinary accounting hackathon held on January 22, 2024. It aimed to foster innovation and problem-solving skills among students by addressing real-life challenges.

### Dignitaries visited:

S. N.	Name	Designation	Topic for Discussion
1	CA Jigar Bhatt	Founder, M/s JTB & Associate	Liquidation Accounting
2	Mr. Ashish S Shah	Financial Market Trainer, Wealth Multipliers	Derivatives Market
3	Ms. Dipti Jain	Promoter, Gyaan Station Kocher & Associate	Be the best version of you
4	Ms. Kruti Jitendrabhai Bhut	Freelancer	International Mother Language day
5	Mr. Lalit Ramakrishna Jadhav	Ex-CEO, ICICI Bank & IndusInd Bank	Personal Finance
6	Mr. Rakesh Kumar Chopra	Corporate Trainer	Importance of Communication and Presentation
7	Ms. Supreeti Negi	Founder & Mentor, Indian Society of Training & Development, Delhi	Re- evaluation of failed students
8	CA (Dr.) Shardul Shah	M. A. Shah & Co. Chartered Accountants, Mumbai	Accounting Tax Audit Finance
9	Mr. Shorab Negi	Mentor, Indian Society of Training & Development, Delhi (Dip.TD)	Grooming & Self Introduction, and Negotiation- Networking Skills & Presentation Skills & Positive body language
10	Mr. Viiveck Verma	Founder & CEO, Upsurge Global	Navigation Life Lesson: Key Insights for the path of Success
11	Mr. Y.K Batra	CFO, Zydus Lifesciences	Transition: A Talk
12	Ms. Pragya Mehta	Mentor, Life Coach & Corporate Trainer	Effective Communication: One Key to Many locks
13	Mr. Pritam Kumar Goswami	Life Coach, Motivation Speaker, Corporate Trainer	Be Different, Make the Difference

14	Mr. Dharmendra Joshi	Advisor, Chamber of Commerce	What's your Peak?
15	Ms. Leena Babubhai Patel	Academician and Trainer	Induction Programme
16	Ms. Komal Parmar	Clinical Dietitian, SGVP Holistic Hospital	Heath Wellness & Yoga
17	Trilok Chandra Sharma	Programme Director and Trainer	Goal Setting/ Management lessons from Ramayana
18	Dr. Chandra Prakash Gupta	Ret. Prof. Delhi University	Advanced Panel Data analysis

## I CURRICULAR ASPECTS

### Initiative/Innovation in curricular design:

- A course blog has been developed for each course and its access is available to students.
- Interactive videos explaining the concepts of respective courses are screened in the classroom to increase student participation in class.
- Industry and academic experts are invited for expert talks on different topics.
- Case-based teaching and learning model is adopted for enhancing the analytical skills of the students.
- Corporate internships are integrated as an important part of the curriculum to make students corporate/industry-ready.
- Social internships are also integrated as an important part of the curriculum to inculcate the social skills and values amongst the students for the welfare of society.

## II TEACHING-LEARNING AND EVALUATION

Faculty Completed/Pursuing Ph.D: The Institute currently has eight core faculty of which six are holding a doctorate. Two faculty are pursuing Ph.D. as per the following details:

Name of Faculty	Topic of Research	Pursuing from	Research Supervisor
CS Karishma Butani	An Analytical Study on Efficacy and Effectiveness of Financial Inclusion in Kachchh District	Department of Commerce & Management, KSKV Kachchh University	Dr. P.S. Hirani Dean Faculty of Commerce, KSKV Kachchh University
Ms. Gopika Juneja	ESG Funds in India	School of Commerce, Gujarat University	Dr. Yogesh Desai, Assistant Professor, National College of Commerce, Gujarat University

### Innovation in Teaching - Learning & Evaluation

Institute of Commerce adopted the following approach to maintain the quality education:

**Internships** – The corporate and social internship program is a regular and integral feature of the B. Com (Hons.) course at ICNU. This program is designed to provide students with practical experience and exposure to real-world environments, complementing their academic studies.

**Corporate Internship:** After the completion of Semester IV, students are required to undergo a compulsory four to six-week corporate internship. This internship allows students to gain hands-on experience in a corporate setting, applying theoretical knowledge to practical situations, and developing essential professional skills.

**Social Internship:** Following Semester II, students participate in a social internship. This experience is aimed at fostering social responsibility and community engagement, providing students with the opportunity to contribute to social causes and understand the societal impact of their work.

Throughout both internship periods, the institute assigns faculty mentors to monitor the progress of the students continuously. These mentors provide guidance, support, and feedback, ensuring that students derive maximum benefit from their internship experiences and achieve their learning objectives. This structured internship program not only enhances students' professional competencies but also prepares them to be socially responsible individuals, ready to face the challenges of the corporate world and contribute positively to society.

### **Industrial Visit**

**Industrial visit at Amul:** Batch 2021-24 of ICNU visited the Amul Chocolate Factory. The visit included an overview of the company operations, exploration of cocoa beans and ingredients, and observing the chocolate processing plant. The students gained insights into operations management, quality control, supply chain management, packaging, and financial aspects of the manufacturing process.

**Educational Visit to NISM, Mumbai:** ICNU organized an educational visit to the National Institute of Securities Markets (NISM), Mumbai, for BCom (Hons.) students of Semester VI. The visit covered equity markets, mutual funds, trading mechanisms, and regulatory frameworks. A live trading simulation provided hands-on experience, and interactions with market intermediaries like NSE, BSE, and MCX offered valuable industry insights.

**Industrial visit at AmulFed dairy:** An industrial visit to AmulFed Dairy in Gandhinagar, Gujarat, was organized to provide students with practical insights into dairy operations. Students toured the production facilities, observed the stages of milk production, and learned about quality control measures. The visit included a tour of the new milk powder plant and interactive session with industry experts.

**Industrial Visit to Mundra Port:** Institute organized an industrial visit to Mundra Port encompassing visits to Adani Wind, Adani Solar, Adani Power, Adani Wilmar, and Adani Ports, offering valuable insights into the diverse operations of the Adani Group and its contribution to the energy and

infrastructure sectors. The students gained insights into port logistics, cargo handling, and maritime operations at Adani Ports. They were acquainted with the renewable energy generation technologies and sustainability initiatives at Adani Wind and Adani Solar facilities. They learned about thermal power generation, energy infrastructure, and challenges in the power sector at Adani Power. They further explored the manufacturing processes, quality control measures, and supply chain management in the food and agribusiness sector at Adani Wilmar. The industrial visit to Mundra Port and Adani Group facilities provided participants with a holistic understanding of port operations, renewable energy generation, power infrastructure, agribusiness, and port management. The visit offered valuable insights into the diverse operations of the Adani Group and its contribution to various sectors of the economy.

**Expert Session on Stress Management During Exams:** Institute conducted an enlightening session on managing exam stress, led by Chartered Accountant Deepti Jain to equip students with practical strategies for handling stress during exams and achieving peak performance. Drawing from her extensive experience, she emphasized the importance of a balanced lifestyle, mindfulness techniques, and healthy study habits to alleviate exam-related stress and anxiety. Addressing common stressors faced by students, she offered practical tips on time management, taking breaks, getting enough sleep, and exercising regularly.

**ACCATHON 2024:** Institute of Commerce in collaboration with the Indian Accounting Association and Institute of Technology, organized Accathon'24, an interdisciplinary Accounting Hackathon for undergraduate students with the support of ACCA – the Association of Chartered Certified Accountants as the knowledge partners. The event aimed to provide a platform for students to address pressing problems in their day-to-day work, fostering a culture of product innovation and problem-solving. The competition, held nationwide, consisted of two rounds. The first round was conducted online on January 6, 2024 and was followed by the second round at Nirma University on January 24-25, 2024. The themes for the event were Taxation and Financial Analysis of unlisted companies. Teams, comprising four members each, with a minimum of two members from the Commerce/Management stream, participated. A total of 125 participants from nine states across India attended, demonstrating their problem-solving skills in technology, taxation, and accountancy.

"Enterprise and Corporate Performance Management Methods" a guest session was taken by Gary Cokins, founder of Analytics-Based Performance Management LLC in Cary, North Carolina, a renowned expert in performance management and analytics. In his session he explained various methods and strategies for enhancing enterprise and corporate performance management.

Dr. Satya Ranjan Acharya - Professor, Entrepreneurship Development Institute of India (EDII) shared valuable insights and expertise on the significance of entrepreneurship and fostering innovation in today's business landscape.

Expert Session on “What I Learned about Investments in My 23-Year Work Career” in a bid to empower students with essential knowledge about investments and financial planning, the institute organized an expert session of Mr. Pawan Nahar, an alumnus of Institute of Management, Nirma University, and a seasoned financial expert with an illustrious career spanning over two decades.

Guest Session on “Recent Developments in Accounting, Finance, Tax, and Audit by CA Shardul Shah – Partner, M. A. Shah & Co. Chartered Accountants, Mumbai.

CA Harshendra Punjawat, CFO, Zydus Hospira Oncology P. Ltd (Zydus Pfizer JV), Pharma SEZ, enlightened the students on “Transition”. He shared valuable insights and guidance on navigating the transitional phase from academics to the corporate world. He shed light on the various aspects of transition that students might encounter, including changes in responsibilities, work culture, and role of AI and personal growth.

CA Preet Shah a financial expert and motivational speaker discussed and provided the students with a list of professional courses that they could pursue with the ongoing degree.

Ms. Teena Rawal – Business Development Manager at ACCA, Mumbai delivered a talk on “Charting Your Career in Accounting and Finance”. She highlighted the importance of career planning and the role of specialized qualifications in shaping successful trajectories.

Guest lecture on “Navigating Life’s Lesson: Key insights for us on the path of success” by Mr. Viiveck Verma, CEO and Founder of Upsurge Global, highlighted the importance of the transition phase from school to higher education. He discussed the various aspects of competition, entrepreneurial ability, financial literacy, mental well-being, building healthy relationships, and making the most of their years of undergraduate learning.

**Exam Reforms implemented:**

The institute followed the University norms related to the examination (reforms). The same were circulated to the students, updated on the institute website and incorporated in the Student Information Booklet. The institute also takes care to educate the students from time to time on the various examination (reforms). The students were also sensitized on the Plagiarism policy of the institute.

The faculty also discuss regarding the innovative approaches to assess and evaluate the various aspects of learning of the students, *i.e.*, testing the logical, reasoning, analytical and memory skills of the students for each course. The idea is to develop and implement a holistic approach for evaluation.

**Number of faculty development programs availed by faculty**

Dr. Avani Shah successfully completed Two Day Workshop on "Faculty Development Programme on Advanced Research Methods and Data Analysis" on June 12-24, 2023 organised by the Institute of Management, Nirma University.

Dr. Pranav Saraswat successfully completed two days Faculty Development Program on “Advanced Panel Data Analysis” organized by the Institute of Commerce, Nirma University, Ahmedabad on 19th and 20th May, 2023.



Dr. Pranav Saraswat successfully completed IFRS/ Ind AS workshop for Accounting educators organized by the Institute of Commerce, Nirma University with ACCA and IAA on 16<sup>th</sup> March, 2024.

**Number of faculty development programmes organized by the Institute: 01**

**III RESEARCH, CONSULTANCY, AND EXTENSION**

**Research Project**

**Ongoing minor Research Project**

Sr. No.	Title of the Project	Project Investigator/s	Funding Agency	Grant (in Rs.)
1.	Cost Benefit Analysis of Electric Vehicles: A study of Western India	Saxena Nitin Kishore	Indian Council of Social Science Research, New Delhi	1,68,200/-
<b>Total Grant</b>				<b>1,68,200/-</b>

**Research Publications by Faculty**

1. Paliwal Udai Lal, Jain Rajesh K, "Factors Determining B - School Research Productivity: An Indian Perspective", Pacific Business Review International, (2023), 16, (1), 27-39
2. Pandey A, Saxena N K, Paliwal Udai Lal, " Perceptions Of The Textile Industry Stakeholders On A Multi-Slab Goods And Services Tax System In India.", Research Journal Of Textile And Apparel, (October 2023), <https://doi.org/10.1108/RJTA-04-2023-0046>
3. Sumita Shroff, "Determinants Of Working Capital Requirements: Evidence From The Msme Sector", Journal Of Commerce And Accounting Research, (2023), 12, (4), 44-54
4. Nidhi Agrawal, P. Srinivasan, Sumita Shroff, "Revisiting The Cointegration And Casual Relationship Between Different Financial Markets", Empirical Economic Letters, (2023), 22, (12), 97-108
5. Butani Karishma Haresh, Purshottam S. Hirani, "Financial Inclusion As A Driver Of Sustainable Rural Transformation: A Case Study Of Kachchh Region", Journal Of The K.R. Cama Oriental Institute, (2023), 77, (1), 144-151
6. Karishma Haresh Butani, Purshottam S. Hirani, "A Comprehensive Examination Of Financial Inclusion In The Kachchh Region: Insights From The Perspectives Of The People Of Kachchh", Journal Of Annals Of The Bhandarkar Oriental Research Institute, (2024), C1, (2), 95-102
7. Karishma Haresh Butani, Jyoti Laljani, "Environmental, Social And Governance Influence On Corporate Governance: A Comprehensive Analysis", Journal Of Informatics Education And Research, (2024), 4, (1), <https://doi.org/10.52783/Jier.V4i1.663>
8. Sumita Shroff, Rajkumari Soni, "Do Esg Disclosures Create Value For Investors Of Nifty 50 Firms?", Finance India, (2024), Xxxviii, (1), 45-74

9. Shroff Sumita, Udai Lal Paliwal, Narayanage Jayantha Dewasiri, "Unraveling The Impact Of Financial Literacy On Investment Decisions In An Emerging Market", Business, Strategy, & Development, (2024), 7, (1), 1-14
10. Sumita Shroff, Udai Paliwal, "Understanding Financial Literacy, Financial Resilience, And Investment Decisions: A Case Of Two Cities From India", Journal Of Commerce And Accounting Research, (2024), 13, (1), 90-101

### **Book Chapter Publications**

<b>Sr. No.</b>	<b>Name of the Faculty</b>	<b>Name of the Book Chapter</b>	<b>Name of the Book</b>	<b>Name of Publishing House</b>	<b>ISBN</b>	<b>Year of publication</b>
	Juneja Gopika	Cryptocurrency - An ESG (Environmental, Social And Governance) Perspective	Sustainable Economic and Management Practices Challenges and Future Prospects Vol.1	Empyreal Publishing House	978-93-93810-98-4	2023
	Kashyap Amit	Cybersecurity Issues, Challenges, and Solutions in The Business World	Governance Of Digital Business In Industry 4.0: Legal And Regulatory Aspects	IGI Global Publishing House	Chapter 7	2023
	Paliwal Udai Lal	Electronics Commodities.	India Foreign Trade and Investment	IGNOU	978 93 5568 799 9	2023
	Paliwal Udai Lal	Agricultural Products (Translated from English to Hindi)	India Foreign Trade and Investment	IGNOU	978 93 5568 831 6	2023
	Paliwal Udai Lal	Textiles And Garments (Translated)	India Foreign Trade and Investment	IGNOU	978 93 5568 831 6	2023
	Paliwal Udai Lal	Gems And Jewellery and Handicrafts (Translated)	India Foreign Trade and Investment	IGNOU	978 93 5568 831 6	2023
	Paliwal Udai Lal	Electronics Commodities (Translated)	India Foreign Trade and Investment	IGNOU	978 93 5568 831 6	2023

### **Research details of Prof. Udai Lal Paliwal**

#### **Details of Training Programme / FDP organized:**

- Organised a two week Research Methodology Course, sponsored by ICSSR; September 4 – 14, 2023.
- One day Workshop on IFRS and IndAS in Association with ACCA; 16<sup>th</sup> March, 2024

● **Details of Keynote Address delivered / Seminar presented:**

- “Managing Performance of HEIs: A Balanced Scorecard Approach”, a lecture delivered at Faculty Development Programme in Accountancy Organised by Knowledge Consortium of Gujarat, Ahmedabad on 18 December, 2023.
- “Writing a Good Research Paper and Finding a Suitable Publication Outlet”, and “Measuring Performance of HEIs: A Balanced Scorecard Approach”, lectures delivered at ICSSR Sponsored Capacity Building Programme organised by Vardhman Mahaveer Open University, Kota on 14 December, 2023.
- “Sustainability through Social Entrepreneurship: A Case Study of Piplantri”, a lecture delivered at Refresher Course organised by UGC MMTTC Doctor Harisingh Gour Vishwavidyalaya Sagar on 25 November, 2023.
- Writing research report, a lecture delivered at Refresher Course organised by Govind Guru Tribal University Banswara on 23 November, 2023.
- “Search Strategies for Identifying suitable Publication Outlet”, a lecture delivered at ICSSR Sponsored Research Methodology Course (RMC) organised by Nirma University Ahmedabad. on 10 September, 2023.
- “Improving Business Climate in India: Insolvency and Bankruptcy Code-2016” a lecture delivered at Refresher Course in Commerce and Management”, UGC – HRDC, Sardar Patel University, Anand, VV Nagar on 15<sup>th</sup> July, 2023.

**Research details of Dr. Pranav Saraswat**

**Details of Keynote Address delivered / Seminar presentation / Resource Person:**

1. “Corporate Frauds in India: Case Analysis and Its impact” in International Conference on Corporate Law & Finance organized by Institute of Law, Nirma University Ahmedabad from 3rd to 5th November, 2023.
2. “ESG Reporting Practices in Pharmaceutical Industries of Gujarat: A Case Study of Gujarat” in the case writing track at the FDP Conference, IIM Ahmedabad, May 26-27, 2023.
3. “The role of robo advisor for companies and investors: a comprehensive analysis” in the ISDSI Global Conference 2023, organized by IIM Ranchi from 26th December to 29th December, 2023.
4. “Chat GPT and other artificial intelligence tools and the future of employment: An examination of AI’s influence on labour markets and workforce dynamics” in the ISDSI Global Conference 2023, organized by IIM Ranchi from 26th December to 29th December, 2023.
5. “Energizing Tomorrow: A Holistic Examination of Electric Vehicle Adoption and Ecosystem Development in India”, and “Unveiling the Landscape of Frauds and Scams in the Indian Banking Industry: A Comprehensive Analysis” in the 27th Nirma International Conference on Management (NICOM 2024) organized by Institute of Management, Nirma University Ahmedabad from 4th to 6th January, 2024.

**Research details of Dr. Avani Shah**

**Details of Keynote Address delivered / Seminar presentation / Resource Person:**

1. "The Mediating Effect of Firm Reputation on the Relationship Between ESG Practices and Corporate Performance in India" at the 27<sup>th</sup> Nirma International Conference on Management (NICOM 2023).
2. "Systematic Literature Review of Impact Investment And Future Research Directions" at ISDI Global; IIM Ranchi in December 2023.

#### **Research details of Dr. Sumita Shroff**

##### **Details of Keynote Address delivered / Seminar presentation / Resource Person:**

1. "Determinants of Financial Literacy of Investors in India" at International Conference on Innovation in Engineering & Management: Sustainability Through Creativity & Innovation (ICIEM'23), organized by BIT Mesra (Ranchi), Noida in (Online mode) during June 1-2, 2023.
2. "Does a two-way causal link exist between ESG and Financial Performance: Evidence from Emerging Market" at 3rd PRISM International Conference: organized by BIMTECH Noida, during November 17-19, 2023, and received Best Track Presentation Award.
3. "Does Socio-Demographic Factors Predict Levels of Financial Literacy?" and "Exploring the Financial Well-Being of Investors in Indian Context" at the 27th Nirma International Conference of Management 2024, organized by the Institute of Management, Nirma University from January 4-6, 2024.

##### **Details of Invited Lectures:**

1. Delivered lectures on, "Creating Researcher Identity" and "Use of AI in Academic Research and Writing" at ICSSR Sponsored Ten Days Research Methodology Course organized by the Institute of Commerce, Nirma University, Ahmedabad from September 4-14, 2023.

#### **Research details of Dr. Nitin Kishore Saxena**

##### **Details of Keynote Address delivered / Seminar presentation / Resource Person:**

1. "Cost Benefit Analysis of Electric Vehicle: A study of Western India, 45 All India Accounting Conference and International Seminar, Department of Commerce, University of Kerala, 9th and 10th December, 2023.

#### **Research details of CS Karishma Butani**

##### **Details of Keynote Address delivered / Seminar presentation / Resource Person:**

1. The Incorporation of Corporate Governance in Environmental, Social and Governance (ESG): A Grounded Theory Analysis, at the 74<sup>th</sup> All India Commerce Conference – Annual Conference of Indian Commerce Association, Department of Commerce, Faculty of Commerce & Business, Delhi, School of Economics, University of Delhi in association with O.P. Jindal Global University, Sonapat, Haryana from December 13- 15 2023.

2. Unveiling Financial Inclusion Realities in India: A Literature-Based Analysis at the 27th Nirma International Conference of Management 2024, organized by the Institute of Management, Nirma University from January 4-6, 2024.
3. A Comprehensive Analysis of Financial Inclusion Effectiveness in Kachehh District at the 19<sup>th</sup> Doctoral Conference in Management (ANVESH-2024) organized by the Institute of Management, Nirma University from March 14-16, 2024.

### **Research details of Dr. Hridaya Raj Bharti**

#### **Details of Research Project:**

#### **Details of Keynote Address delivered / Seminar presentation / Resource Person:**

1. “Opportunity in Green Finance: Green Bonds and its Prospects to Finance Sustainable Projects in India,” International Finance and Accounting Conference organized by IIM Jammu on September 8–9, 2023.
2. “Impact of Artificial Intelligence on Business Strategy and Decision Making” 4<sup>th</sup> International Conference on Machine Learning, Advances in Computing, Renewable Energy and Communication (MARC 2023) on November 28–29, 2023.

### **Research details of Gopika Juneja**

#### **Details of Keynote Address delivered / Seminar presentation / Resource Person:**

1. “Sustainable Investment and Investor Behaviour”, 27<sup>th</sup> Nirma International Conference on Management (NICOM 2023), January 2024.

#### **Extension Activities/Community services by Institute:**

ICNU recognizes its corporate social responsibility and in the same vein, various social interventions are carried out throughout the year through its NSS unit and Social club, the details of which are presented hereunder. This year following activities were organised under NSS and extension activities:

**Nagasaki Day-Quiz Competition:** The Nagasaki day was celebrated by the NSS unit of the Institute of Commerce on August 9, 2023. The event was conducted to remind students about the destruction caused by the atomic bombing on the Japanese city, Nagasaki which led to the death of thousands and the destruction of the entire city. The NSS unit of ICNU conducted an online quiz.

**Meri Maati Mera Desh Campaign:** The Meri Maati Mera Desh Campaign was celebrated by the NSS unit of the Institute of Commerce on August 14, 2023 with the aim to pay tribute to our nation and the brave hearts who sacrificed their lives for the nation. The event started with a short introduction on the significance of the campaign continued by the Panch Pran Pledge which was taken by everyone present for the event. A short film ‘PLUS-MINUS’ based on a real-life Indian army officer was shown after which a discussion about the same was conducted. The event aimed to encourage the students to take pride and appreciate the unsung heroes who gave up their life for the safety and protection of our country and its people.

**World Organ Donation Day:** The World Organ Donation Day was celebrated by the NSS unit of the Institute of Commerce on August 16, 2023 with the aim to educate students about the critical importance of organ donation and its impact on the gift of life. The event started with providing a brief understanding on organ donation and why it is celebrated and to also appreciate the selflessness of organ donors and their families for their contribution in saving lives. The speech was followed by a video busting some myths regarding organ donation and an explanation on the procedures involved on how one can donate their organs.

**NSS Seven Day Camp:** The NSS unit of Institute of Commerce organized a 7-day camp in Vasai Village from December 18, 2023. The camp focused on community service and education. Activities included promoting government schemes, menstrual hygiene awareness, wall painting, self-defence and educational workshops, cultural events, chess workshops, sports activities, origami competitions, and a grand cultural night. The volunteers also conducted a cleanliness drive, distributed sanitary pads, and educated villagers about the dangers of tobacco use. A documentary on Shree Nishkalanki Narayan Tirthdham added depth to the participants' understanding. Each day began with energetic exercises and yoga.

**Gujarat Cultural Elocution Competition:** The NSS Committee, Institute of Commerce, as part of the Gujarat Cultural Elocution Competition organized by the National Service Scheme Department of Higher Education of Gujarat with the inspiration of 'Save Culture Save Bharat' Foundation successfully hosted an Elocution Competition on January 20, 2024. The participants spoke on topics such as Nation building through character building and Value education: an imperative for the present times.

**Blood Donation Camp:** The NSS unit of Institute of Commerce successfully conducted a blood donation camp on February 13, 2024. A day prior to the donation camp, the volunteers covered the university campus promoting and encouraging the students and to join the initiative and performed skits to increase awareness regarding the camp. This blood donation camp recorded the highest ever blood units collected being 540 units.

**New MoU signed/Collaborative activities done related to MoU/ tie-ups with other organisation:**

The Institute of Commerce Signed MoU with The Institute of Chartered Accountants of India (ICAI,) New Delhi on September 15<sup>th</sup>, 2023

#### **IV INFRASTRUCTURE AND LEARNING RESOURCES**

Computer facilities added: Four desktops, four laptops, and two All-In-One printers were procured for staff and faculty.

Library - learning resources added: This facility is common with IMNU.

Laboratory facilities: This facility is common with IMNU.

Increase in Central Facilities, health services, sports facilities: This is managed centrally and is a shared resource.

Civil work in progress/completed in this year: New building is under construction.

## V STUDENT SUPPORT AND PROGRESSION

### Cut-off percentage marks – category wise:

General Category	NRI Category
81%	60%

### **Student Achievements:**

The students' achievements at campus are as follows:

Sr No	Name of the awarding body	Name of the person	Name of the event	Level of Event	Award / Recognition
1	Nirma University	Arpita Parihar	Nuzeal 2024: Fine arts event: collage	University	Winner
2	ICNU	Khush Mehta	Telent Hunt-Instrumental Music	Institute	Winner
3	ICNU	Ved Patel	Anti-ragging debate	Institute	Winner
4	Nirma University	Aayushi Chhapparwal	Collage competition	University	Winner
5	ICNU	Yash Patel	Essay writing competition	Institute	Winner
6	ICNU	Jiya Patel	Debate competition	Institute	Winner
7	Nirma University	Komal Awtani	World Tourism Day Quiz	University	Winner
8	ICNU	Vidhi Singhal	Constitution day-Quiz	Institute	Winner
9	NIRMA University	Aanya Goel	Group dance western competition (NU ZEAL, 2024)	University	Winner
10	ICNU	Niranjana Sunil Nair	Debate Competition - Anti Ragging Awareness	Institute	Winner
11	Nirma University	Sandesh Pamnani	Talent hunt	University	Winner
12	Nirma University	Divya Singhvi	Dance (Group Western) Competition	University	Winner
13	National	Gaurav Udhani	Datathon- Digital and Analytics Conclave 2024	National	Winner
14	National	Gaurav Udhani	Ideathon- Digital and Analytics Conclave 2024	National	Winner
15	ICNU	Mehul Godha	Debate Competition on 'Anti Ragging Awareness'	Institute	Winner
16	ICNU	Navya Kabra	Theatre event of Kala'23- Talent Hunt (ICNU)	Institute	Winner
17	ICNU	Gaurav Udhani	Theatre Event- Kala'23 Talent Hunt (ICNU)	Institute	Winner
18	NIRMA University	Manya Bansal	Nuzeal Group Western Dance (2024)	University	Winner
19	Nirma University	Rhea Pillai	Nuzeal group dance - western	University	Winner

20	Nirma University	(Ananya Sarvani ) Tarang – Music Club	DESHRAAG 2023	University	Winner
21	Nirma University	Khush Mehta	NUZEAL - Non Classical instrumental singing	University	Runner
22	ICNU	Priyamvada Jain	Talent Hunt: Litwits “advancement of space science: Chandrayaan -3”	Institute	Runner
23	National	Ayush Agrawal	National accounting talent search 2023-24	National	Runner
24	ICNU	Trisha Upadhyay	Talent Hunt	Institute	Runner
25	ICNU	Saumya Jain	Debate competition	Institute	Runner
26	Nirma University	Nidhi Jani	Nuzeal (group folk)	University	Runner
27	ICNU	Karan Mittal	Kala'23 (Econopolis)	Institute	Runner
28	Nirma University	Swayam Jain	Inter-ICNU Kabaddi	University	Runner
29	ICNU	Yashvi Jain	Talent hunt	Institute	Runner
30	National	Devansh Shah	ACCATHON'24	National	Runner
31	Nirma University	Vidhi Singhal	Short film making competition	University	Runner
32	Nirma University	Akshita Jain	Short film making competition	University	Runner
33	ICNU	Kaavya Gupta	"Anti-ragging awareness" Debate competition	Institute	Runner
34	ICNU	Kaavya Gupta	"Famous Duo" Fashion event	Institute	Runner
35	Nirma University	Kaavya Gupta	Group dance (Folk/Tribal)	University	Runner
36	Nirma University	Darshil Vora	Fusion Hour- Fusion at its Finest	University	Runner
37	ICNU	Shivam Mapara	Finance event fintech fusion talent hunt	Institute	Runner
38	ICNU	Prathna Kikani	Talent Hunt - Digital Poster making competition	Institute	Runner
39	ICNU	Prathna Kikani	Talent Hunt -Digital Poster making competition	Institute	Runner
40	Nirma University	Prathna Kikani	NU-Zeal (Theatre event -Mime)	University	Runner
41	ICNU	Hani Patel	Campus lens photography competition	Institute	Runner
42	ICNU	Gaurav Udhani	Anti-Ragging Awareness Debate	Institute	Runner
43	Nirma University	Gaurav Udhani	Theatre Skit- NuZeal 2024	University	Runner
44	ICNU	Krishna Mehta	Talent hunt (grp theatre event)	Institute	Runner
45	ICNU	Hitanshi Sethiya	Talent hunt	Institute	Runner
46	ICNU	Hitanshi Sethiya	NUZEAL'24	Institute	Runner
47	ICNU	Rhea Pillai	Talent Hunt - music (solo category)	Institute	Runner
48	ICNU	Rhea Pillai	Talent Hunt – dance (solo category)	Institute	Runner

**Value-added courses:**

- Yoga and Wellness – Semester - I
- Foreign language –French for Semester-III



- Personal Finance for Semester – III
- ‘Personality Development’ for Semester –V
- ‘FinTech’ for Semester – VI

**Co-curricular activities organised:**

Sr. No.	Name of cultural (youth welfare) activity/event	Date	No. of participants
1	Farewell 2020 - 2023	2nd May, 2023	256
2	Freshers’ Party for the Batch 2023 – 2027	2 <sup>nd</sup> August, 2023	307
3	Career Guidance Session on “Charting your career in accounting and finance”	8th August, 2023	300
4	Expert Session on "What I Learned about Investments in My 23-Year Work Career"	8th August, 2023	400
5	Meri Maati Mera Desh	14th August, 2023	47
6	World Organ Donation Day	16th August, 2023	41
7	Anti- Ragging Workshop	18th August, 2023	60
8	World Literacy Day Competition	8th September, 2023	40
9	Teacher’s Day Celebration	5th September 2023	230
10	Hindi Divas	14th September, 2023	136
11	Talent Hunt - 2023	22nd September, 2023	247
12	Swachhta Abhiyan	26th September, 2023	98
13	Rangtaali	29th September, 2023	289
14	Gandhi Jayanti Celebration	2nd October, 2023	20
15	Foundation Day	7th October, 2023	293
16	Prayaas 4.0	18 - 24 December, 2023	37
17	NUZEAL 2024	15-17 February, 2024	722
18	Accathon’24	22nd January, 2024	272
19	World Water Day	22nd March, 2024	57

**Student Clubs in the Institute**

The students are encouraged to plan, organise and participate in various curricular and extra-curricular activities with basic support from the institute. Such an atmosphere inculcates a spirit of leadership and an understanding of different aspects of commerce. Students’ clubs aim to provide opportunities to the members and the interested students to develop their entrepreneurial skills and help polish their abilities so as to prepare them to face the challenges of the business world. The various clubs/committees constituted at the Institute of Commerce are as follows:

**Student Advisory Committee (SAC):** This committee is concerned with the overall interests of the students and the Institute, and provides a direct link between the students and the administration.

**PRISM – The Media and Publication Club:** This club ensures appropriate media coverage for all events of the institute as well as organisation of photography-related activities and workshops. The club also manages the social media handles of the Institute, and provides relevant content for the institute’s newsletter and website.

**LITWITS – The Literary Club:** This club assists with organisation of all co-curricular activities like conclaves, guest lectures, quizzes, debates, essay-writing competitions, elocutions, other co-curricular workshops, etc. The club also heads the preparation of the institute’s newsletter – Kaleidoscope.

**ADVITIYA – The Sports Club:** This club assists with organisation of sports events in the campus. It also encourages the students of the Institute to participate in all sports activities organised within Nirma University as well as other colleges of the country.

**UDGAM, The Social Club:** This club assists with organisation of activities like blood donation camps, awareness campaigns for Government schemes in villages, social issues, Swachh Bharat Abhiyan, and extension activities like old-age home visits, charity drives, etc.

**KALANIDHI – The Cultural Club:** The objective of this club is to cultivate and promote the interests of the students in cultural activities. This club assists with organisation of all other extra-curricular activities in the campus like cultural fests, ethnic day celebrations, etc.

**NATARAJ – The Dance Club:** This club assists with organisation of all dance related activities and workshops. It also encourages the students of the Institute to participate in all dance activities organised within Nirma University as well as other colleges of the country.

**TARANG – The Music Club:** This club assists with organisation of all music related activities and workshops. It also encourages the students of the Institute to participate in all music activities organised within Nirma University as well as other colleges of the country.

**RANGSHALA– The Theatre Club:** This club assists with organisation of all theatre and drama related activities and workshops. It also encourages the students of the Institute to participate in all theatrical activities organised within Nirma University as well as other colleges of the country.

**Internship Committee:** This committee is responsible for coordinating the summer internships for the students of semesters IV and II of the Institute.

**Placement Committee:** This committee is responsible for coordinating the placement of final year students of the Institute.

### **Sports activities at the Institute**

Institute of Commerce, hosted an inter-institute chess and carrom tournament along with Student Welfare Board, Nirma University. Tournaments witnessed an outstanding participation from various institutes.

The students of ICNU secured following positions at University level:

- Basketball (Girls Category) Runners-up: Institute of Commerce
- Kabaddi (Boys Category) Runners-up: Institute of Commerce
- Kabaddi (Girls Category) Runners-up: Institute of Commerce
- Kho Kho (Girls Category): Runners-up: Institute of Commerce

**Youth welfare and cultural activities including extra-curricular activities organized in collaboration with other agencies on Campus:**

Sr. No.	Name of cultural/youth welfare activity/ event	Date	Organizing club/inst./ committee	Level of Event (Inter-University/ State/National/ International)	No. of student participants		Short Description of the event
					M	F	
1.	ACCATHON-2024	22 <sup>nd</sup> January 2024	LITWITS	National Level	122	150	Accathon 2024, organized by the Institute of Commerce, in collaboration with Indian Accounting Association and Institute of Technology, was an interdisciplinary accounting hackathon held on January 22, 2024. It aimed to foster innovation and problem-solving skills among students by addressing real-life challenges.

**Performance in Sports activities:**

**Achievements of students of Institute of Commerce within Campus/outside campus**

Sr No	Name of the Organizer	Name of the Student	Name of Event	Team / Individual	Inter-University /State/National /International	Name of the Award/ recognition	Date
1	Nirma University	Yeswanth Patel	Nirma Cup	Team	Inter- University	Runners up	06-Mar-24
2	Indus University	Yeswanth Patel	Indus Cup	Team	Inter- University	Runners up	12 January, 2023
3	GNLU	Ansh Kumar Jain	GNLU Basketball	Team	Inter- University	Runners up	4 <sup>th</sup> and 8 <sup>th</sup> February, 2024
4	PDEU	Ansh Kumar Jain	PDEU Basketball	Team	Inter- University	Runners up	12 <sup>th</sup> and 18 <sup>th</sup> February, 2024

**Incentives for the outstanding sports person:** The students are awarded medals and certificates. The students are also provided incentives based on their overall performance in sports.

**Activities of Guidance & Counselling unit:**

The Guidance and Counselling Unit of is active throughout the year, playing a pivotal role in student development. The institute has a formal mentoring system in place, wherein each faculty member is assigned a group of students to mentor and guide throughout their academic journey on campus. This process fosters a healthy rapport between faculty and students.

Typically, there are two rounds of mentoring sessions with students each semester. These sessions are designed to understand and address any difficulties students may be facing, whether academic or personal. Through this process, students with various challenges are identified and supported through targeted mentoring and counselling.

A common challenge observed is the transition some students face from studying in a regional language to English. To support these students, remedial sessions are conducted to enhance their written and spoken English skills. Additionally, remedial sessions are provided for students identified as slow learners, ensuring they receive the necessary support to succeed academically.

This comprehensive support system not only addresses academic difficulties but also promotes overall well-being, contributing to a positive and nurturing educational environment.

#### **Placement services to students:**

The placement committee was reconstituted in the month of August 2023 with an aim to facilitate the placement drive of the Institute meant for the graduating students and further the academia-industry linkages. This year initially 42 expressed their interest in placements. A six-month value-added programme was organised for grooming the graduating batch to face the various stages of the recruitment process, hone their soft skills, and make them industry ready for the jobs.

#### **Campus Placements**

The Institute of Commerce has an active Placement Cell from 2018-19. The placement team provided the placements for 25 students in the academic year 2023-24 and all the students got placed in the reputed firms. This year Federal bank, Bank of America, KPMG, Ernst & Young Global Limited, PwC, ETO, Lenden, etc. visited the campus for the recruitment. A total of 42 students have expressed their interest in the placement. However, 12 students quit the process and opted out for further studies. The 25 students were placed in the companies with an average package of ₹ 4.04 lakhs.

The highest package offered is Rs 6.7 lakh by Federal Bank.

The Role/Profile offered to students include Risk Analyst, Business Development Executive, Tax Analyst, PO, among others.

60 students opted for Higher studies in institutes including Greenwich University, London-UK, Narsee Monjee Institute of Management Studies-Mumbai, Symbiosis Law and Management Schools, Indian Institute of Education and Business Management-Pune, XIM University- Bhubaneswar Institute of Management, and Nirma University.

10 students opted for Entrepreneurship.

#### **Gender-wise Batch Statistics**

	<b>Girls</b>	<b>Boys</b>
<b>Numbers of Students Placed</b>	<b>15</b>	<b>10</b>
<b>Students opted for Higher Studies</b>	<b>35</b>	<b>25</b>
<b>Students opted for Entrepreneurship</b>	<b>9</b>	<b>1</b>

**Institute  
of  
Design**

## **Institute of Design**

### **INDEX**

<b>Sr. No</b>	<b>Particulars</b>	<b>Page</b>
<b>1</b>	<b>Outstanding Achievements and Important Activities</b>	<b>271 – 274</b>
<b>2</b>	<b>Curricular Aspects</b>	<b>274 – 275</b>
<b>3</b>	<b>Teaching-Learning and Evaluation</b>	<b>275 – 277</b>
<b>4</b>	<b>Research, Consultancy and Extension</b>	<b>277 – 279</b>
<b>5</b>	<b>Infrastructure and Learning Resources</b>	<b>279 – 281</b>
<b>6</b>	<b>Student Support and Progression</b>	<b>281 – 283</b>

## Outstanding Achievements and Important Activities

### Faculty Awards and Achievements

- Prof. Priyam A Parikh received the Vikram A Sarabhai WAAH Senior Science Laureate Award 2023, a memento, citation, medal and cash prize of INR 1 lakh for the project ‘Feeding robot for the elderly Indian people’ on Jan 6, 2024 at the Vikram A Sarabhai, Community Science Centre, Ahmedabad. WAAH Science Laureate Awards are aimed at encouraging individuals as well as the scientific community to research and also to recognise their research for addressing societal issues and working towards innovative solutions to such issues.
- Dr. Kavita Kripalani received a Certificate and cash award of INR.10,000/ by the Ministry of Higher Education for an Expert Talk session on Ergonomics in Product Design at the Innovation and Design Bootcamp of five days, on June 26th 2023 at College of Engineering, Pune.

### Students Awards and Achievements

Sr. No.	Competition	Award Category	Students
1	The Design India Show	Winner at India’s Best Design Student Awards	Palavi Jain (20BDI011) Unmesh Patil (18BDI041)
2	Jaipur Design Week 2024 organised by JK Lakshmipat University	Emerging Designer of the Year Award	Danisha Mehta (17BDI006)
3	Association of Designers of India sponsored ‘ADI Battle of the Projects’	1. Industrial Design Category: 1st Runner Up 2. The Relevance Award: 2nd Runner Up 3. Jury’s Choice Award: 2nd Runner Up Film and Animation: 2nd Runner Up	<b>Category 1, 2 and 3</b> 1. Jayesh Vishwakarma (21BDI018) 2. Utkarsh Keshri (21BDI038) 3. Yash Tiwari (21BDI043) 4. Yashvi Shah (21BDI044) <b>Category 4</b> 1. Arunoday Thakur (20BDC005) 2. Soumyanshu Ghosh (20BDC048) 3. Suhani Gupta (22BDC042)
4	International Competition: Toyota Logistics Design Competition 2024	Semi Finalist	1. Simran Purswani (21BDI031) 2. Ronak Sutariya (22BDI023) 3. Ayushmaan Jodha (22BDC002)

5	Taiwan International Student Design Competition, organised by the Ministry of Education, Taiwan (TISDC TW)	1. Certificate of Appreciation. This remarkable achievement positions the book as a finalist among 12,137 entries in the Visual Design Category	1. Avani Mujumdar (20bdc008) 2. Aarushi Jain (20bdc001) 3. Hetvi Shah (20bdc022) 4. Purvai Mishra (20bdc031) 5. Rishitta Jain (20bdc033) 6. Shraddha Khandelwal (20bdc046) 7. Shrey Gadhiya (20bdc017)
6	Kyoorius Young Blood Design Competition	Shoe Design for Urban Monkey (“Baby Elephant” award)	1. Palavi Jain (20BDI011) 2. Simran Purswani (21BDI031)
7	36th Inter University West Zone youth festival ‘Satrang’ organised by Association of Indian Universities (AIU)	3rd prize in ‘On the Spot Painting Competition’	Palavi Jain (20BDI011)
8	International Conference on Sustainable Design Practices at NIFT Kangra	Selection of Research abstract for a full paper submission on “Careers of the future: Social entrepreneurship for gen z and gen alpha”	Gauri Asati (20BDI040)

### Faculty Activities

- Prof. Sangita Shroff was invited to write the Preface of Sanjeev Bothra’s Book published by Routledge UK, titled, “Design Education in India: Values of Socially Responsible Design” (Routledge Research in Social Design) in April 2023.
- Prof. Sangita Shroff was invited as an expert on a panel discussion on Colour and Culture. The event was hosted by the Sarabhai Foundation of the Calico Museum on February 10 - 11, 2024 in Ahmedabad. The themes for discussion were Perceptions of Colour, Influence of Culture and Cultural Values on the theme of Colour.
- Prof. Kanupriya Taneja’s students’ course work in Publication Design, along with co-instructor Prof. Swaraj Singh Rana, earned the prestigious Certificate of Appreciation for ‘Ampersand’- a Coffee Table Book on Photography. This book, designed during the Publication Design course, was a finalist among 12,137 entries in the Visual Design Category at the Taiwan International Student Design Competition, organised by the Ministry of Education, Taiwan (TISDC TW) in February 2024.
- Dr. Kavita Kripalani and Prof. Priyam Parikh, have completed a Minor Research Project on “E- Solar Cart compartment Design for Onion Preserve” in 2023-24, which explores the effective preservation of onions in container design through the implementation of a Proportional-Integral-Derivative (PID) control system. Onions are highly perishable



vegetables susceptible to spoilage due to moisture loss and microbial growth. Traditional storage methods often struggle to maintain optimal humidity levels, leading to shrinkage, rotting, and reduced shelf life. The study aimed to optimise the container's design parameters to maintain optimal temperature, humidity, and gas composition within the container, ensuring the prolonged freshness and quality of onions. The PID-controlled container design has the potential to revolutionise onion preservation, ensuring freshness and quality for extended periods.

- Dr. Suchitra gave a Public lecture at Mahindra Sanatkada Lucknow Festival, Lucknow on January 5, 2024, titled “A Kaleidoscopic Life: Maneklal Gajjar(1928- 2012) textile block maker, master craftsman”. She delivered an online talk on “Investigating Recent Histories of Textiles through the Maneklal Gajjar Archives” to Postgraduate design students at National Institute of Fashion Technology, Panchkula on August 31, 2023. Dr. Suchitra delivered talks on “The Archive as (Auto)biography” organised by India Foundation for the Arts at Bangalore on August 21, 2023 as part of the IFA Project Showcase 2023; “Rethinking Crafts and Craftsmanship”, organised by Crafts Council of Telangana at Hyderabad on December 16, 2023; “Maneklal Gajjar: The Craftsman as a Modern Man” at Bangalore International Centre, Bangalore on April 8, 2023 (part of the Series 'Design History Now').
- Dr. Suchitra delivered Keynote address on “How might design pedagogy foster an innovative attitude?” at the Integrated Design Research Conference 2023 at University of Moratuwa, Sri Lanka on November 24, 2023.

#### Dignitaries' visits:

##### International Dignitaries visited during the year 2023-24:

Name of the Dignitary	Designation and Organisation	Purpose	Date
Dr Paola Sanguinetti	Director, The Design School at the Herberger Institute Arizona State University, USA	Dialogue and Collaboration for signing an MoU	April 18, 2023
Yi-Chun Sunny Kuo	Assistant Dean, The Design School Arizona State University		
Ms Niky Choksi	ASU Official for International Relations		

##### National Dignitaries visited during the year 2023-24:

Sr. No.	Name of the Dignitary	Designation and Organisation	Purpose	Date
1	Dr. Nina Sabnani	Former Professor, IDC-IIT Bombay, NID Ahmedabad and National Award-winning Animation Filmmaker	“Narrative Unfolding” Speaker at REDO Annual Student Festival 2024	March 2-3, 2024
2	Satyajit Vetoskar	Founder, The Real Bandit	“Design, Material, Manufacturing” Speaker at REDO Annual Student Festival 2024	March 1, 2024
3	Sudhir Sharma	CEO of Indi Design, Pune and Founder of Pool and Design India magazine	Expert Lecture on “The IndiDesign story”	March 21, 2024
			Portfolio Review	October 19, 2023

4	Sudhir Kuduchkar	CEO - Three Dot Designs	Master Class on Identity Design III course	February 22, 2024
5	Bhagyesh Patel	Director, Khoidyar CAD Centre	Master Class on “Introduction to AR/VR”	December 6-8, 2023
6	Dr. Suresh Sethi	Chair and Professor, Industrial Design School of Art + Design, University of Illinois at Urbana-Champaign	Expert Lecture on “Designing from Experience. Stories that resonate”	October 26, 2023
7	Anirban Dutta Gupta	Independent documentary Filmmaker	Master Class in Ethnographic Research and Documentary filmmaking	October 21, 2023
8	Ranjit Menon	UX designer, researcher, and educator	Expert Lecture on “Deep Learning: The Intermedia of Speculative Design”	September 11, 2023
9	Tapan Aslot	Animator, Generative AI Expert in Design	Expert Lecture on “Introduction to AI Tools”	August 28, 2023
10	Archana Shah	Textile Designer, Researcher, Writer Founder, Bandhej	Expert Lecture on “Joys of discovering Design”	July 27, 2023
11	Anuj Prasad	CEO of Desmania Design Pvt. Ltd	“Journey of a Design Entrepreneur” Keynote Speaker and Chief Guest on 7th Foundation Day, Institute of Design,	July 24, 2023

## I CURRICULAR ASPECTS

### **New courses being offered:**

The following courses will be introduced from the Academic year 2024-2025, as per the New Education Policy 2020.

1. Introduction to 3d Modelling (Open Elective)
2. Design for Film (Open Elective)
3. Introduction to UIUX (Open Elective)
4. Introduction to AI (Open Elective)

### **New Interdisciplinary courses**

From AY 2024-25, the Institute will be offering a Minor to students of Institute of Technology and Institute of Commerce in “Human Centred Design”. The curriculum has been designed for 5 courses and 20 credits.

### Number of courses where major revisions are made:

Currently the entire Common First year courses have been revised.

### Any other Initiative/Innovation in the curricular design:

- There are new initiatives in implementing practical/real life situations in each course taught. In Introduction to UI-UX II (App Design) students develop apps for various User needs addressing livelihood, parenting, animal care etc.
- Theory courses have a field component, to apply theoretical learning. In Communication Theory II, where the focus was on learning Semiotic Theory, students worked on the field to research on Election promotions, Cultural identities of tattoos, coiffure, communication potential of smells and fragrances, Public art etc. The monographs have been made into booklets by the students.
- In several Theory courses such as History of Design, book reading and critique is introduced as a group activity, so that students rely on scholarly writings.
- The student members of the IDNU library committee organised **Blind Book Date** during Valentine's Day week (February 7th - 14th, 2024). The event aimed to promote book reading and foster new connections among students in a fun and light-hearted way.

By removing the influence of cover art and author names, the event encouraged students to explore unfamiliar genres and authors, potentially sparking new reading interests. The shared experience of choosing a blind date book and potentially discussing it with others provided a natural icebreaker and opportunity for students to connect with like-minded individuals.

## II TEACHING-LEARNING AND EVALUATION

### Number of faculty completed/pursuing Ph.D.

Sr. No.	Name of the faculty member	Status
1	Prof. Priyam Parikh	Thesis Submitted
2	Prof. Shree kant	Thesis Submitted
3	Prof. Pradeep Sahu	Pursuing
4	Prof. Pradipta Biswas	Pursuing
5	Prof. Anil Chauhan	Pursuing
6	Prof. Sushil Yati	Pursuing

### Innovation in Teaching - Learning & Evaluation

- To integrate design with technology and to produce tangible functional prototypes, the faculty members of Product and Interaction Design teach students the function of microcontrollers, sensors, actuators and wireless technology. Students have designed working prototypes in different domains such as healthcare, E-vehicles, digital toys, kitchen appliances, safety equipment and many more.

- One of the hallmarks of Design education is “Field and Experiential learning”. In the course Moving Images III, which is offered to Semester VI students, the Institute collaborated with C U Shah Pragna Chakshu Mahila Seva Kunj at Surendranagar, an institutional home for 300 plus, sight challenged girls and women. The Founders, Smt. Muktaben Dagli and her husband Shri Pankajbhai Dagli are both sight challenged persons. The student groups made 3 films on the life of the sight challenged.
- The other is “Learning by Doing”. In another initiative to bring live projects into the classroom, in the course Branding and Brand Development, the institute worked with 2 organisations, AINA (Artisans in Architecture) at Kutch and SAATHI, a women’s organisation building ‘nutri-preneurs’. 360-degree branding was done for both the organisations in print and digital collaterals to animation and live action films. Another group of students developed a film promoting the Institute of Design.

#### **Interdisciplinary Student projects:**

- Aimed at fostering collaboration beyond the classroom, Makers Club at the Institute brings together students from Product & Interaction Design and Communication Design. This cross-disciplinary club creates a space for the students to develop new ideas and products, leveraging expertise from various design fields.

#### **Exam Reforms implemented:**

The Institute focuses on Continuous Evaluation. To ensure that students work continuously, checks and balances are constantly in place to ensure students' academic engagement. Parents are constantly kept in the loop for students who are slow-learners.

#### **Number of Faculty Development Programmes availed by the faculty : 2**

#### **Number of Faculty Development Programmes organised by the Institute in following categories: Refresher/STTP, Induction, Computer Application, Soft Skills, Pedagogy, Quality, etc.**

- Profs. Kanupriya Taneja, Sushil Yati, Anil Chouhan, Kishen Patel and Snehal Balapure attended the Faculty Development Programme on Academic Writing from June 19 - July 1, 2023, organised by the Directorate of Research and Innovation, Nirma University and the Institute of Architecture, Nirma University, Ahmedabad.

Prof. Sangita Shroff and Dr. Suchitra Balasubrahmanyam conducted a week-long module as part of the Faculty Development Programme in May 2023, for the design faculty members, Dr. Ajay Goyal, Dr. Kavita Kripalani, Dr. Saroj Kumar and Prof. Pradipta Biswas. Each faculty built the course content, lectures, strategic pedagogy tools etc. for the course to be offered by each of them.

### III RESEARCH, CONSULTANCY & EXTENSION

#### Patents:

Sr. No.	Name of the Teacher	Patent Number	Title of the patent	Status
1	Priyam Parikh Reena R. Trivedi Naitik Dalwadi Keyur Joshi Kaushikkumar Patel Gohil Jigar Arjunbhai Jatinkumar Dave	202321080546	A Vision-Actuated Feeding Robotic Arm Setup for The Elderly and Specially-Abled People	Filed & published

#### Minor Research Project

Sr. No.	Title of the Project	Project Investigator/s	Funding Agency	Grant (in Rs.)
1	"E Solar Cart Design for Onion Preservation."	Dr. Kavita Kripalani	Nirma University	1,00,000/-

#### Research Publications

1. Parikh Priyam Anilkumar, Dr. Reena Trivedi, Keyur Joshi, "Optimising Inverse Kinematics Algorithm For An Indigenous Vision-Based Feeding Serial Robot Using Particle Swarm Optimisation And Hybrid Genetic Algorithm: A Comparison", International Journal Of Advanced Mechatronic Systems, (2023), 10, (2), 88-101
2. Parikh Priyam Anilkumar, Dr. Reena Trivedi, Ankit Sharma, Keyur Joshi, Devanik Roy, "Performance Evaluation Of An Indigenously-Designed High-Performance Dynamic Feeding Robotic Structure Using Advanced Additive Manufacturing Technology, Machine Learning And Robot Kinematics", International Journal On Interactive Design And Manufacturing (Ijidem), (2023), 18, (1), 20-55
3. Shree Kant, Mrigendra Pratap Singh, Sheetal Rana, "Transcendent Sculptures: Exploring The Eight-Fold Path Of Buddhism Through Innovative Artistry.", Shabdkosh: Journal Of Visual And Performing Arts, (2023), 4, (2), 675-689
4. Shree Kant, Kavita Kripalani, "Emerging Field Of Soft Tactile Sensors In 4d Printing Stimulus With Smart Material Nitinol Using Piezo Resistive Technique", Tuijin Jishu/Journal Of Propulsion Technology, (2023), 44, (3), 2405-2412
5. Kavita Kripalani, "Experimental Work On Cast Defect Detection By Nanointendation Machine Using Nitinol Wire Sensors Using Augmented Technique Optimized By Pp Yolov3 Algorithm Comparative Analysis Procedure.", Intelligent Methods In Engineering Sciences (Imiens), (2023), 2, (3), 75-83
6. Rajesh Malhotra, Deepak Gautam, Kaushik Mukherjee, Sudipto Mukherjee, Arun Manjunatha Swamy, Alok Rai, Ajay Goyal, Anoop Chawla, "Alternating Layers Of Morselized Allograft And Injectable Ceramic Bone Graft Substitute In Acetabular Reconstruction: A Novel Sandwich Technique", Arthroplasty Today, (2023), 22, (0), 101150

7. Kripalani, K. (2023). Experimental work on cast defect detection by Nanointendation Machine using NiTinol wire sensors using augmented technique optimized by PP YOLOv3 Algorithm comparative analysis procedure. *Intelligent Methods in Engineering Sciences*, 2(3), 75–83. <https://doi.org/10.58190/imiens.2023.46>

### Ongoing research collaboration

Prof. Priyam Parikh was a Co-PI in the GUJCOST sponsored project on “Assistive feeding robot”. He collaborated with the Mechanical Engineering Department, ITNU. The project was successfully completed in September 2023. The collaboration produced 4 conference papers, 2 book chapters and 4 international journal papers.

### Extension Activities/ Community services by Institute

Sr. No.	Name of activity/event	Date	Organising club/inst./ committee	No. of student participants		
				Male	Female	Total
1	Sustainable Cattle Farming: Adapting to High TDS Environments	May 26, 2023	NSS committee	8	19	27
2	Voices of Diversity: Celebrating Community Through Music	August 5, 2023	NSS committee	9	8	17
3	Capturing Perspectives: A Photographic Journey with the National Service Scheme	September 16, 2023	NSS committee	9	8	17
4	Innovative Farming: Nirma University's Role in Agricultural Advancement	October 21, 2023	Extension Activity committee	9	8	17
5	Community Service: Praganchakshu Mahila Seva Kunj, Surendranagar	January 20 - 21, 2024	NSS and Extension Activity Committee	2	8	10
6	7 day Special NSS camp	March 3-10, 2024	NSS committee	12	13	25
7	Gender Equality	March 5, 2024	Extension activity and Foundation Student Committee	12	18	30
8	Educational Program on Health and Hygiene	March 5, 2024	Extension activity and Foundation Student Committee	12	18	30

9	Composite-making techniques	March 6, 2024	Extension activity	7	21	28
10	Local Craft, Modern Twist: Approach to Furniture Design	March 7, 2024	Extension activity	7	21	28
11	Community service at Dang	March 5-10, 2024	Extension activity and Foundation Student Committee	7	23	30
12	Community service at Udaipur	March 5-10, 2024	Extension activity and Foundation Student Committee	12	18	30
13	Community service at Kutch	March 5-10, 2024	Extension activity and Foundation Student Committee	7	21	28
14	Rural Exposure and Documentation	March 4-10, 2024	Course work activity	25	62	87

**New Memorandum of Understanding (MoU) signed/ collaborative activities done related to MoU/ Tie-ups with other organisation**

The 3-year MoU with WIN India Foundation and Arid Communities and Technology (ACT) continues with collaboration on projects in health, nutrition and water conservation.

**IV INFRASTRUCTURE AND LEARNING RESOURCES**

**Laboratory facilities: major additions: workshop machinery**

Sr .No.	Name of Machinery	Specification	Quantity
1	Combination planer machine with drilling attachment	Brand Name -Mahavir Technical Specification: 13" Excellent series combine machine Power: 3HP  Surface capacity: 13 Inch  Planning width:13 inch, Thickness capacity: 7 Inch	1

		Length of table surface: 48 Inch Standard cutter block: 2B	
2	Chisel mortiser machine	Brand Name -Mahavir Technical Specification:  Table Size 200 *165mm/8x6 1/2 Inch, Max  Chisel Capacity: 6 To 16mm  Max depth of cut: 90mm,  Cross movement of table -75mm/3 Inch, Longitudinal movement of the table: 230mm/9 inch,  Max height of workpiece on table 100mm/4 Inch,  Power required: 1HP /2800 RPM	1
3	Foot operated sheet shearing machine	Brand Name - Precision Technical Specification: Shearing Size: 36 inch Folding capacity: 20 Gauge (MS)	1
4	Sheet bending machine	Brand Name - Precision Technical Specification: Shearing Size: 36 inch Cutting capacity: 20/22 Gauge (MS)	1
5	Portable inverter arc welding machine	200 Amp, 1 HP Inverter arc welding machine Capacity: electrode diameter 2.5 -3.15 mm	1



6	Vacuum Forming Machine	Technical Specifications- Forming Area (mm / inches) : 600 x 600mm / 24 x 24 Inch, Film Size (mm / inches): 650 x 650mm / 26 x 26 Inch, Max Depth of Draw : 100mm / 4 Inch	1
---	------------------------	---	---

## V STUDENT SUPPORT AND PROGRESSION

### Student Club activities:

- Students operate several Clubs. The Film Club at the Institute ``Popcorn Society`` showcase films twice a week. Mentored by IDNU’s Film faculty Prof. Ajay Raina, students do a study of various genres of films and filmmakers.
- Students publish a quarterly design magazine IPSUM.

### Sports activities:

Sports activities organised by the institute:

“Inter Institute basketball championship 2024” on February 6-7, 2024

### Sports Achievements:

- 1) Inter-Institute Volleyball tournament on October 19-20, 2023  
The female team won runners-up (Female Category)
- 2) Inter-Institute Table Tennis Tournament 2023 on October 30-31, 2023  
Runners up in female singles: Mitra Sheth (20BDC045)
- 3) “Nirma Cup 2024” organised by Nirma University from March 4-6, 2024. Two students, Priya Patel (21BDI030) and Srushti Patil (22BDI020) participated and won in the Volleyball female category

### Youth welfare and cultural activities:

Institute of Design organised

- (i) Photography and Film competition on February 22, 2024
- (ii) REDO Annual Students’ Cultural Fest was organised from March 1-3, 2024
- (iii) Hosted Fine Art activities with IAPNU under SWB

Number of extra-curricular activities organised in collaboration with other agencies on the campus:  
27

### Campus Placements

Institute’s Placement Cell works towards enhancing career prospects for its

graduates. The highest placement package offered was INR(LPA) 11.02 lakhs per annum, with an average package of INR 5.65 lakhs and median 6.30 lakhs.

In addition to placements, students benefit from frequent one-on-one counselling sessions, which serve as icebreakers for students and provide guidance and support for those facing career decision challenges. Alumni interaction sessions are also organised to impart knowledge and advice to junior students, enabling them to make well-informed professional decisions.

**Placements 2023-24:**

Key recruiters - Tata Consultancy Service, Oro Innovation, Fingerprint Collective, Elle Decor Magazine, Tata Elxsi, Futuristic Labs, Desmania, Ekadha, IFB, Oases Design and Indegene.

**Companies that visited for first time:**

Tata Elxsi, Oro Innovation, IFB , Orient Electric, Elle Decor Magazine and Desmania.

**Companies that offered PPOs:**

Elle Decor Magazine and Futuristic Labs.

**Highest salary offered**

IFB Global - Salary 11.02 LPA

Average Salary - 5.65 LPA

Median Salary - 6.30 LPA

**Role/Profile offered to students:**

Visual Designer, Systems Engineer, Graphic Designer, UI/UX Designer, Associate Product Designer and UX & Product Designer.

**Number of students opted for Higher studies: 16**

**Names of a few Institutes where students are going for Higher studies:**

Savannah College of Art and Design, USA

PACE University, USA

Royal College of Art, London, UK

University of Arts London, UK

University of Nottingham, UK

University of East Anglia, UK

Pratt University, USA

University of Canada West, Canada

National Institute of Design, India

The Design Village, India

**Number of students opted for Entrepreneurship - 4**

**Other Placement details at a glance:**

Number of students opted for Placement: 58

Number of students placed: 49

Number of companies that participated in the Placement process: 33

**Sectors/Domain of companies that hired students:**

Research and product development, Toy Industry, Manufacturing, Software Development Companies, Medical Device Innovators, Media, Advertising Agencies, Design Studios, Furniture and Interior Design Firms.

**Gender-wise Batch Statistics**

	<b>Girls</b>	<b>Boys</b>
<b>Number of students placed</b>	36	13
<b>Students opted for Higher studies</b>	14	2
<b>Students opted for Entrepreneurship</b>	2	2

**Centre for  
Continuing Education**

## CENTRE FOR CONTINUING EDUCATION (CCE)

### Programmes organised by CCE and Conducted by constituent institutes of Nirma University

A total of **Twenty-three (23)** programmes were organised by CCE during April 2023 to March 2024

Comparative data analysis has been given in Annexure-A for the period of 2022-23 & 2023-24.

All the programmes were organised and conducted successfully fulfilling the expected outcomes. The participants feedback reports received are very encouraging and appreciating considering the content and programmes organised. All the coordinators were also satisfied with the kind of support and cooperation received from CCE in conduction of the programmes.

### Summary of Programmes carried out during April 1, 2023 – March 31, 2024

Sr.No.	Name of Institute	No. of Programme(s) Planned (a)	No. of Programme Conducted		
			As Per Planning (b)	Other than Planned (c)	Total (d) = (b) + (c)
1	School of Engineering, Institute of Technology (SoE, ITNU)	14	11	0	11
2	School of Technology, Institute of Technology (SoT, ITNU)	7	1	0	1
3	Institute of Pharmacy (IPNU)	5	5	0	5
4	Institute of Science (ISNU)	2	0	0	0
5	Institute of Law (ILNU)	3	3	2	5
6	Institute of Architecture and Planning (IAPNU)	3	0	1	1
<b>Total</b>		<b>34</b>	<b>20</b>	<b>03</b>	<b>23</b>

### Programmes Conducted Successfully

#### Programmes carried out by School of Engineering, ITNU during April 1, 2023 – March 31, 2024

Sr. No.	Name of the programme	Date	Audience	Number of Participants			Income (Rs)	Expenditure (Rs)
				Int.	Ext.	Total		
1	Electrical Distribution System Analysis	April 29-30, 2023	Internal Students	21	0	21	8400	8344
2	B.Tech. in Manufacturing Technology for the employee of Tata Motors, Sanand Plant Batch-II	July 19, 2022 to December 2025	Industry Professionals	0	34	34	4675200	679300
3	B. Tech. in Construction Technology for L&T Engineers Batch-I	January 17, 2022 to June 30, 2025	Industry Professionals	0	30	30	3539646	514640

4	B. Tech. in Construction Technology for L&T Engineers Batch-II	January 16, 2023 to June 30, 2026	Industry Professionals	0	30	30	3539646	520590
5	M. Tech. Electrical Vehicle Engineering For the employees of Tata Motors	January 2023 to December 2024	Industry Professionals	0	20	20	2655000	686147
6	Geometric dimensioning and tolerancing	July 29-30, 2023	Industry Professionals Internal / External Students	29	7	36	52300	48916
7	Applications of AI in Electrical Engineering (MATLAB platform)	July 29-30, 2023	UG, PG, Ph.D. students	12	18	30	11350	11014
8	Digital Tools for Civil Engineering Applications	September 16, 2023 and September 30, 2023	Internal Students	14	0	14	3500	3496
9	Control of Grid Connected PV System	September 16, 2023	Internal / External Students	15	0	15	3750	3303
10	Experimental and Simulation Techniques on Multiphase Flow Systems	October 28, 2023	Internal / External Students	23	21	44	7650	7602
11	BIM for Construction Project Management	March 2-16-30, 2024	Internal / External Students	84	1	85	21250	16909

**Programmes carried out by School of Technology, ITNU during April 1, 2023 – March 31, 2024**

Sr. No.	Name of the programme	Date	Audience	Number of Participants			Income (Rs)	Expenditure (Rs)
				Int.	Ext.	Total		
1	Parameter Estimation using State Estimation Techniques	August 5, 2023	Internal / External Students	19	1	20	5000	4797

**Programmes carried out by IPNU during April 1, 2023 – March 31, 2024**

Sr. No.	Name of the programme	Date	Audience	Number of Participants			Income (Rs)	Expenditure (Rs)
				Int.	Ext.	Total		
1	Hands-On Training for Development and Optimization of Herbal Cosmetics	November 07, 2023	Internal / External Students	43	4	47	19100	19057

2	Seminar cum workshop on Nano Drug Delivery (SNDD 2024)	February 17, 2024	Internal / External Students	45	17	62	20400	20174
3	Workshop on Computer Aided Drug Design	February 17, 2024	Internal / External Students	7	25	32	21900	17131
4	Workshop on Medical Writing	March 12, 2024	Internal / External Students	48	4	52	18600	18360
5	Workshop on Analytical Instruments	March 19, 2024	Internal / External Students	15	23	38	19450	16261

**Programmes carried out by ILNU during April 1, 2023 – March 31, 2024**

Sr. No.	Name of the programme	Date	Audience	No. of Participants			Income (Rs)	Expenditure (Rs)
				Int.	Ext.	Total		
1	Certificate Course on "Law of the Sea and Maritime Law"	November 09, 2022 to May 10, 2023	Internal / External Students	8	7	15	0	33223
2	Advanced Certificate Course on "Maritime Law, Policies and Practices"	November 12, 2022 to May 14, 2023	Internal / External Students	4	13	17	0	46634
3	Advanced Certificate Course on "Maritime Law, Policies and Practices"	November 9, 2023 to May 10, 2024	Internal / External Students	0	15	15	75000	0
4	Certificate Course on Law of the Sea and Maritime Law	November 7, 2023 to May 10, 2024	Internal / External Students	3	13	16	62500	0
5	Sexual Harassment of Women at the Workplace (Prevention, Prohibition & Redressal) Act, 2013 and Rules	March 8-9, 2024	Internal / External Students	0	19	19	28500	13100

**Programmes carried out by IAPNU during April 1, 2023 – March 31, 2024**

Sr. No.	Name of the programme	Date	Audience	No. of Participants			Income (RS)	Expenditure (RS)
				Int.	Ext.	Total		
1	Clay workshop	February 04-25, 2024	Internal / External Students	86	0	86	86000	52879

**Comparative data analysis from 2022-23 to 2023-24****1. Number of Programmes Organised under CCE and conducted by various institutes of NU during the year 2022-23 and 2023-24**

Sr. No.	Name of Institute	2022-23	2023-24
1	School of Engineering, Institute of Technology (SoE, ITNU)	4	11
2	School of Technology, Institute of Technology (SoT, ITNU)	0	1
4	Institute of Pharmacy	5	5
5	Institute of Science	1	0
6	Institute of Law	2	5
7	Institute of Architecture & Planning	1	1
8	Centre for Continuing Education	1	0
<b>Total</b>		<b>14</b>	<b>23</b>

**2. Total number of participants in various programmes organised under CCE and conducted by various institutes of NU during the year 2022-23 and 2023-24**

Sr. No.	Name of Institute	2022-23			2023-24		
		Int	Ext	Total	Int	Ext	Total
1	School of Engineering, Institute of Technology (SoE, ITNU)	22	66	88	198	162	360
2	School of Technology, Institute of Technology (SoT, ITNU)	0	0	0	19	1	20
3	Institute of Pharmacy	150	41	191	158	73	231
4	Institute of Science	15	17	32	0	0	0
5	Institute of Law	12	20	32	15	67	82
6	Centre for Continuing Education	2	0	2	0	0	0
7	Institute of Architecture & Planning	0	5	5	86	0	86
<b>Total</b>		<b>201</b>	<b>149</b>	<b>350</b>	<b>476</b>	<b>303</b>	<b>779</b>

**3. Total income of various programmes organised under CCE and conducted by various institutes of NU during the year 2022-23 and 2023-24**

Sr. No.	Name of Institute	2022-23	2023-24
1	School of Engineering, Institute of Technology (SoE, ITNU)	4645746	14517692
2	School of Technology, Institute of Technology (SoT, ITNU)	0	5000
3	Institute of Pharmacy	89315	99450
4	Institute of Science	111694	0
5	Institute of Law	80500	166000
6	Centre for Continuing Education	70000	0
7	Institute of Architecture & Planning	15000	86000
<b>Total</b>		<b>5012255</b>	<b>14874142</b>

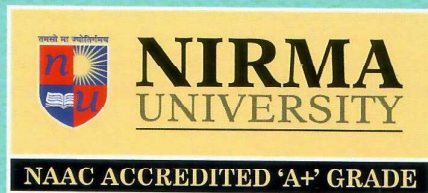


**4. Total expenditure of various programmes organised under CCE and conducted by various institutes of NU during the year 2022-23 and 2023-24**

<b>Sr. No.</b>	<b>Name of Institute</b>	<b>2022-23</b>	<b>2023-24</b>
1	School of Engineering, Institute of Technology (SoE, ITNU)	1477956	2500261
2	School of Technology, Institute of Technology (SoT, ITNU)	0	4797
3	Institute of Pharmacy	85876	90983
4	Institute of Science	103722	0
5	Institute of Law	0	92957
6	Centre for Continuing Education	51000	0
7	Institute of Architecture & Planning	14051	52879
	<b>Total</b>	<b>1732605</b>	<b>2741877</b>

**4. Overall performance of CCE during the year 2022-23 and 2023-24**

	<b>2022-23</b>	<b>2023-24</b>
<b>Income (Rs)</b>	5012255	14874142
<b>Expenditure (Rs)</b>	1732605	2741877
<b>Net Balance (Rs)</b>	3279650	12132265
<b>No. of Programmes Organised</b>	14	23
<b>No. of Participants attended</b>	350	779



**Nirma University**

Sarkhej-Gandhinagar Highway, Ahmedabad - 382 481

Phone : +91-79-71652000, +91-2717-241900-04, +91-2717-241911-15

Fax : +91-2717-241916-17

Web: [www.nirmauni.ac.in](http://www.nirmauni.ac.in)