

17th Annual Report 2019-2020



17th ANNUAL REPORT-2019 – 2020

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Executive Summary

April 1, 2019 to March 31, 2020

Preamble

Nirma University has always been striving for sustainable development and growth to attain the laid down vision, mission and objectives. It is a pioneering educational organisation that paves way for the aspiring individuals to attain their goals. It not only stands as a symbol of knowledge and wisdom but also enlightens all those who seek to elevate their potential.

This university holds the ever burning torch of knowledge to light up the path of all who crave for more and who are dedicated for the benefit of the society. Keeping the flame bright, this financial year has also added value in maintenance and sustenance of quality teaching – learning and research.

The executive summary contains at a glance the major accomplishments of the university and its constituent institutes during the financial year 2019-20.

Institute of Technology

Accreditation

Three programmes of the Institute of Technology; Civil Engineering, Electrical Engineering, and Instrumentation and Control Engineering are also accredited by the National Board of Accreditation for a period of three years in March, 2020. All the programmes under the Institute of Technology are now accredited by NBA and are accepted in the countries bound by the Washington Accord.

The Institute is selected by the Gujarat Council of Science and Technology (GUJCOST) for the award of establishment of a Supercomputer facility for the students and academic researchers for conducting high-end in-house advanced computing studies and research work. The Supercomputer indigenously developed by C-DAC, Pune known as “PARAM Shavak,” high-performance computing and deep learning is set up in the Institute.

Rankings

The prominent rankings are as under:

- Stood 4th in top 50 Private State Universities in the Outlook-ICARE India University Rankings 2019.
- Institute of Technology is placed at 10th in Overall Ranking in Times of India Ranking May, 2019, 8th in Research Capability and 2nd in West Zone.
- According to CSR - GHRDC Engineering Colleges Survey 2019 - Institute of Technology, got Eighth Rank in Top Leading Engineering Colleges of Super Excellence; First Rank in Gujarat State; Ninth Rank in Faculty, Research, Consultancy, EDP & Other Programmes; and Eighth Rank in Placements, Social Responsibilities, Networking & Industry Interface.

Establishment of New Centres

- The Institute of Technology has established a Centre of Excellence (CoE) in Data Science in collaboration with the State University of New York at Binghamton with an aim to enable development of innovative applications, and research in the field of Data Science and AI.
- The Centre for Robotics and Automation is established to provide an interdisciplinary environment and bring together the research groups involved in robotics, control engineering, embedded systems, industrial automation, computer coding, machine learning and other upcoming technologies. The Centre aims to provide consultancy and innovative solutions to automation industries in the near future.

Faculty Awards

- Dr Paramasivan S Vellala was conferred with the MHRD recognised “Bharat Vikas Award 2019” by the Institute of Self Reliance, Bhubaneswar, Odisha for his highly esteemed contribution over the years in the field of Economic Reformation at the National Seminar on ‘Vision – 3E – Education, Employment, Economy’.
- Dr Jayesh Ruparelia has been awarded for Best Engineering College Teacher in Gujarat-Indian Society for Technical Education (ISTE) at Charutar Vidya Mandal, Vallabh Vidyanagar on November 29, 2019.
- Prof P R Patel has received “Distinguished Geospatial Educator” award from CEPT Research and Development Foundation, and Centre for Applied Geomatics at CEPT University on September 05, 2019.
- Prof Digesh Joshi received the Institute of Engineers India - Young Engineers Award 2019-20 in Civil Engineering Discipline.

Students’ Awards

- Team Arrow secured third position in ‘Overall Performance Award’ with cash prize of Rs 25,000/-and also bagged 3rd position in ‘Best Design Report Award’ at the SAE India Southern Section Aero Design Challenge 2020 in Micro Class category organised during February 28 to March 1, 2020 at Bannari Amman Institute of Technology, Tamil Nadu.
- Team CON-SOL-E 4.0 comprising undergraduate students of ITNU became the National Champions and bagged a Gold Cup, a prize of Rs1,00,000/- and a paid trip to Japan.
- Mr Aditya Dave, student of Electronics and Communication Department has been conferred with the prestigious Karmaveer Chakra Award which is instituted by the United Nations and the International Confederation of NGOs for his work in community development and entrepreneurship.
- Team Nirma Robocon won the 1st Runner's up at DD Robocon 2019 National contest held at IIT Delhi on June 16, 2019.
- Team ARROW under SAE Nirma Collegiate Club participated in Association for Unmanned Vehicle System International Student Unmanned Aerial System Competition 2019 at Maryland, USA during June 12-15, 2019 and secured 35th rank globally among 75 international teams from USA, Turkey, Egypt, Canada, Australia etc.
- Mr Preet Pandit, undergraduate semester V IEE student was felicitated with SAE India Student of the Year Award by SAE India Foundation at the SAEIndia Foundation Annual Awards on February 10, 2020.

Major Events Organised

Nirma RoboCup-2019

Institute of Technology organised Nirma Robocup 2019 – a national level robotic contest for school students on October 19-20, 2019. The theme of the contest was GOVINDA, wherein participating team were asked to prepare a robot that can travel through different zones namely Mathura, Gokul, Vrindavan and Barsana by overcoming various hurdles in the path and finally reach at the Barsana hill to touch the hanging butter pot. A total of 17 teams from Gujarat, Maharashtra, Tamil Nadu, Karnataka and Delhi participated in the event.

NUiCONE-2019

Nirma University International Conference on Engineering (NUiCONE), the flagship event of the Institute of Technology was held during November 21-22, 2019. Padmashri Shri A S Kiran Kumar, Vikram Sarabhai Professor at Indian Space Research Organisation (Former Chairman, ISRO) was the chief guest and Padmashri Shri Amitava Roy, Former Distinguished Scientist and Chief Executive of Nuclear Recycle Board, Bhabha Atomic Research Centre (Mumbai) was the guest of honour.

Praveg-2019

The Annual Techno-Management Fest was organised by the Mechanical Engineering Students' Association (MESA) under the aegis of Mechanical Engineering Department, Institute of Technology on September 18-19, 2019. The event was inaugurated by Shri Acharya Devvrat, Hon Governorshri of Gujarat, and Commodore C Raghuram VSM, Commanding Officer, INS Valsura in the presence of Dr Karsanbhai Patel, President of Nirma University.

Institute of Management

Accreditation

Master of Business Administration Programme of Institute of Management is accredited by the National Board of Accreditation for a period of three years from 2019 to 2022.

The Institute has again been empaneled with Competition Commission of India till 2022. Two faculty members viz. Prof Samik Shome and Prof Jayesh Aagja will be working on Competition assessment of sectors assigned by the CCI.

Rankings

The prominent rankings are as under:

- Institute of Management has been ranked 44th overall Best B-School by the National Institutional Ranking Framework (NIRF) in 2020 by the Ministry of HRD, Government of India.
- Ranked 6th in the A1 category by Business Standard and published in December 2019.
- Ranked 9th Best B-School among Top Private B-Schools in India by CSR-GHRDC B-School Survey and published in Competition Success Review, November 2019 issue.
- Ranked as the 27th Best B-School overall and 12th among Top Private B-Schools in India by The Week published in November 2019.
- Ranked 34th Best B-School pan India and published in Business Today in November 2019.

Faculty Awards

- Dr Samik Shome was appointed as a Member of 5th Common Review Mission 2019 by Ministry of Rural Development, Government of India to review the implementation of various rural development programmes, observe good practices, recognise ground realities and challenges in the implementation of different schemes and suggest refinement in the existing framework. As part of the committee, Dr Shome submitted a report to the Ministry for the state of Rajasthan. The report is published by the Ministry in March 2020.
- Prof Tirthank Shah received 2nd Prize for Best Research Paper in the 12th International Conference on Perspectives, Practices & Research Trends on Business Management and Innovation by V M Patel Institute of Management, Ganpat University during January 2020.

Major Events Organised

- The 23rd Nirma International Conference on Management (NICOM 2020) was organised during January 3-5, 2020. The central theme of the conference was "Marketing Landscape: Change in the Making".
- ANVESH – 2019, the 15th Doctoral Research Conference in Management was organised during April 5-6, 2019.

- The 9th Annual Conference on Quality Management was organized by Institute of Management, Nirma University and ASQ (American Society for Quality) Ahmedabad LMC during November 22-23, 2019. The theme for this year was "Challenge the Change through Quality and Innovation".

Institute of Pharmacy

Accreditation

The BPharm Programme of the Institute received accreditation by NBA (National Board of Accreditation) for a period of three years (2019-2022).

Rankings

The prominent rankings include:

- Institute of Pharmacy has received 17th rank at all India level by NIRF 2020 (National Institutional Ranking Framework), MHRD (Ministry of Human Resource Development, Government of India).
- Institute bagged the first rank amongst the Pharmacy colleges in Gujarat state with five star rating and overall CGPA of 4.51 in Gujarat State Institutional Rating Framework (GSIRF) 2020 ratings.

International/National MoUs

Institute has signed new International MoUs with University of Turin, Torino, Italy and with this, total 5 international MoUs are active with various reputed international institutes. Two national MoUs were also signed with the industry.

Faculty Awards

- Prof Manjunath Gbate, Director, Institute of Pharmacy received the ISCB Best Teacher Award in Drug Research for the year 2019-20.
- Dr Mayur Patel received APTI Young Pharmacy Teacher Award.
- Dr Niyati Acharya received GABTP National Woman Scientist Award 2019 and SFE Young Ethnopharmacologist Award 2020.
- Dr Jignasa Savjnai received the Outstanding Researcher in Pharmaceutical Chemistry Award from Venus International Foundation.
- Dr Vivek Vyas received the Best Abstract-ACS Award during RBF Symposium 2020 by Zydus Cadila, Ahmedabad.

Students' Awards and Achievement

- BPharm alumni Mr Vandit G Shah, and Prof Jigna S Shah have received a grant for their Innovation/Start-up under Student Open Innovation Challenge programme under SSIP, Government of Gujarat.
- PhD scholar, Ms Krishna H Bhalodi has been awarded with Honorable Chief Minister Fellowship under "Shodh Yojana" Scheme, Government of Gujarat.
- PhD scholar, Mr Vishal Chavda has received prestigious YITP IBRO Young Scientist Award 2019 in the World Conference of Neuroscience at IBRO 2019, organised by International Brain Research Organisation and Federation of Asian and Oceanian Association of Neurology co-hosted by Korean Brain Research Institute and Korean Neurological Association at Daegu city, South Korea during September 21-25, 2019.
- PhD scholar, Ms Dhara Bhayani has received full travel grant from CSIR, Ministry of Science & Technology, Government of India to present a poster at 17th International Nanomedicine and Drug Delivery Symposium (NanoDDS'19) held at Massachusetts Institute of Technology, USA during September 22-24, 2019.

- PhD scholar, Mr Vimal Patel has received International student grant award of 200 Euro from Graphene flagship for Graphene Week 2019 held during 23-27 September 2019 at Helsinki, Finland and funded by European Union, Helsinki, Finland.

Major Events Organised

- The Institute organised ISCBC-NIPiCON-2020; 5th Nirma Institute of Pharmacy International Conference, jointly with 26th ISCB International Conference on the theme “Integrating Chemical, Biological and Pharmaceutical Sciences for Innovations in Health Care” during January 22-24, 2020.

Institute of Science

Faculty Awards

- Dr Sriram Seshadri was recognised as one of the Top 50 Coordinators of IQAC across India by The Academic Council of uLektz.
- Dr D L Gupta received the Swastha Jyoti Paritoshik Young Researcher Award at National conference, EMINDIA 2019 held at AIIMS, New Delhi during 3-4th August 2019.

Students’ Awards

- Dr Purvi Zaveri, an alumna of Institute of Science, Nirma University was awarded and felicitated at India International Science Festival held during November 5-8, 2019 at Kolkata. She received recognition for her efforts in developing innovative teaching-learning material for Microbiology learning in the category of Women Entrepreneur & Scientist for her creative construction of 3D printed *Aspergillus niger* model, circuit-based kingdom classification and innovative wastewater solutions as a product of her venture called “Microcity”.
- The United Nations recognised the efforts of MSc students under the mentorship of Dr Sonal Bakshi in identifying the accessibility of places, buildings in and around the city as a part of their extension activities with the NGO, Voice of Specially Abled People (VOSAP) that is working towards Accessible India norm of Government of India.
- Ms Priya Patel, a PhD student at the Institute of Science, Nirma University working under the guidance of Dr Nasreen S Munshi won third prize for presenting her poster on “Development of bioprocess for sustainable management of plastic waste and oily sludge” at the National Conference on “Plastics in the Environment: Current Status and Rethinking the future of Plastics” held at Gujarat Institute of Desert Ecology, Kutch, Gujarat on March 7, 2020.

Major Events Organised

Workshop on Flow Cytometry

A three-day workshop on “Flow cytometry in Research and Health Care”, sponsored by GSBTM, Gandhinagar and Indian Immunology Society was organised by the Institute and coordinated by Dr D L Gupta during March 3-5, 2020. Five eminent experts from different parts of India (research institutes and industry) delivered their expert talks. Twenty seven participants (students, research scholars, faculty members and Industry personnel) from various institutes in Gujarat participated in the programme.

Rankings

The prominent rankings are as under:

- Ranked 6th Best Law College among the private law colleges in India, The Week, (June-2019)
- Ranked 7th Top Law College in India, Outlook (June 2019)
- Ranked 4th Best Private Law College among the western zone in India, The Week (June-2019)
- Ranked 8th Best Private Law College by India Today (July 2019)
- Ranked 4th India's Best Private Law Schools by Career 360, January 2020

Faculty Awards

Dr Madhuri Parikh was awarded as the 100 most Dedicated Professors by World Education Congress on July 4, 2019.

Student Awards'

- Palak Jain secured second position in the 2nd Essay competition on Law and Economics organised by Centre for Law and Economics, GNLU on April 5, 2019.
- Aadesh Shinde, a third year student bagged the title of "Best Delegate Award" at Sansad, the National Youth Parliament, held at Jawahar Bhavan, New Delhi. The competition was held from January 18-19, 2020. It witnessed 65 participants from all over the country. The theme was "Curbing fake news through legislative measures while ensuring freedom of speech and role of judiciary". Aadesh Shinde also won "The Times of India Torrent Power Public Speaking Contest" held at Ahmedabad Management Association (AMA) on February 26, 2020.
- Ujjawal Bhargav, a third year student secured first position in National Essay Writing Competition on the theme 'Human Rights as the Principle of Protection of Traditional Knowledge and Indigenous Knowledge'. The competition was organised by IAMR Law College, Ghaziabad on February 18, 2020.

Moot Court Achievement

- Team consisting Akshay Bhandari (16BBL003), Dakshesh Kapur (16BBL012), Ekta Jhanjhri (16BBL015) adjudged Semi- Finalists in the 15th Nani Palkhivala Memorial National Tax Moot Court Competition held on April 5-7, 2019. Dakshesh Kapur adjudged as the Best Speaker.
- Institute of Law, Nirma University bags the citation for the 2nd Best Memorial in National Rounds 5th Prof N R Madhava Menon SAARC Law Mooting competition, 2019-2020, held from October 18- 20, 2019. The team comprising, Sanjhi Agarwal, Varada Jahagirdar and Priyanka Bajpai will now represent India in the world rounds.
- The team comprising Kajal Singh (Semester V), Mohit Shivkumar (Semester VII) and Tarun Agarwal (Semester III) were adjudged as Runners-up in 8th NLIU Corporate Moot Court Competition 2019. The competition was organised by National Law Institute University, Bhopal from December 6 -8, 2019.
- The team consisting Aayushi Dubey, Supriya Jhulka and Yash Jain won the award for the best memorial and have also been adjudged as the quarterfinalists for the competition in the 11th HNLU National Moot Court Competition held from October 18-20, 2019.
- The team representing at Philip C Jessup International Law Moot Court Competition, 2020 have won the citation for the second best memorial. The Indian rounds of the competition were held at Amity Law School, Noida from January 30th-February 2nd, 2020. The team comprised Shalini Mishra, Vanshika Agrawal, Shrishti Mishra, Ashuthosh V and Palak Jain.

- The team comprising Paridhi Rastogi, Akshita Totla and Aashna Shah won the citation for Best Memorial in the 18th Surana and Surana Corporate Law National Moot Court Competition, 2020 held from February 7-9, 2020. The team was also adjudged as semi-finalists in the competition.
- The team comprising Shivanshi Gupta, Paridhi Galundia and Manali Maheshwari won the citation for best memorial and were also adjudged as semi-finalists at KLA's 29th All India Moot Court Competition held from February 7-9, 2020. In addition to this, Shivanshi Gupta was awarded with the citation of the Best Student Advocate and Paridhi Galundia was awarded with the citation of the second Best Student Advocate.
- The team comprising Sakshi Rathore, Agrima Shankar, Ankur Mishra, Anshika Pandey, and Ritika Singh have been adjudged as 3rd Best Team in the National Rounds of the 24th Stetson's International Environmental Moot Court Competition, 2019-20 and have qualified for the World Rounds to be held at Stetson University College of Law in Gulfport, Florida.
- The team comprising Varada Jhagirdar, Sanjhi Agarwal and Priyanka Bajpai, semester sixth students have won the citation for "Best Memorial" at 5th Prof N R Madhava Menon SAARC Law Mooting competition, 2019-2020. The international rounds of the competition were held at Llyod Law College, Delhi from February 21-23, 2020. In addition to this, the team was adjudged as quarter-finalists and Varada Jhagirdar was awarded as "Best Female Advocate" at the competition.

Debate Achievement

- Devashish Trivedi secured an Adjudicator Break at the Asia Debate Open held at held at Guangzhou, China from August 23-August 25, 2019.
- Subham Borah, a student of 5th year Institute of Law, secured the position of 3rd best adjudicator at the Trivium Punjab Engineering College Asian Parliamentary Debate held at Chandigarh from September 6-9, 2019. He was adjudged as one of the best adjudicators, out of 110 adjudicators.
- The team comprising Adamyia Ojha and Sree Ganesh, first year students, secured a break and qualified for semi-finals in the novice category in the prestigious MS Ramaiah Institute of Technology British Parliamentary Debate held at Bangalore from September 14-16, 2019.
- Subham Borah bagged the Championship Trophy in the NMIMS, School of Law, Loquitur Parliamentary Debate held from September 27-29, 2019 and got the award for the 5th Best Speaker whereas Devashish Trivedi won the 2nd Best Adjudicator Award.
- Devashish Trivedi, Jahnavi Pandey, Nivedita Singh and Prakshi Singh participated in the IIT Bombay Inter Varsity Debate Competition held from October 11-13, 2019. Devashish Trivedi, was declared as the Best Adjudicator of the tournament. Jahnavi Pandey and Nivedita Singh qualified for the Novice Semi Finals and Prakshi Singh qualified for the Reserved Novice Semi Finals.
- Subham Borah along with two teammates from GLC Mumbai won the NMIMIS School of Law Loquitur Parliamentary Debate on September 27-29, 2019. In the same tournament, Devashish Trivedi was declared the 2nd Best Adjudicator.
- Devashish Trivedi, a fifth year student secured an adjudicator break at the 40th World Universities Debate Championship (WUDC), 2020 at Bangkok, Thailand held from December 27, 2019-January 3, 2020. WUDC is known as the Mecca of Parliamentary Debating and the competition saw the participation of more than 700 candidates from over 100 countries. The Institute of Law becomes one of the six institutes from India to have secured a break at WUDC.
- Subham Borah, a fourth year student was invited as a Core Adjudicator in the Lloyd Law College Asian Parliamentary Debate Tournament, held from February 28-March 1, 2020. The title of a Core Adjudicator is a highly recognised title in the debating circuit.

Major Events Organised

Conclave on ‘The future of Justice Education in South Asia’

The Institute of Law, Nirma University in collaboration with the Global Alliance of Justice Education (GAJE) organised a two day regional conclave on the future of Justice Education in South Asia during November 8-9, 2019. The programme was attended by academicians from various universities in the South Asian countries like Bangladesh, Nepal, and Maldives. This conclave emphasis on the lack of an adequate collaborative platform and the paucity of the high quality research at the Indian and the South Asian regional levels for educators and practitioners involved in justice education and the promotion of Human Rights.

Academia Conclave

To commemorate Nani Palkiwala Centenary Celebrations, Institute of Law, Nirma University organised a two day academia conclave from November 16-17, 2019 on the theme “Towards a new area of academia- legal industry collaboration”.

International Seminars

- The Institute organised an International seminar on “Global Law Learning” on February 11, 2020.
- The Institute organised an International seminar on “Legal Education: International Perspective” on February 19, 2020 wherein various foreign legal dignitaries shared about the education system prevalent in their countries.

Conference on International Humanitarian and Refugee Laws

Centre for International Humanitarian Law and Human Rights, Institute of Law, Nirma University, Ahmedabad organised the Eighth edition of its annual flagship event –National Students Conference on “International Humanitarian and Refugee Laws” in association with International Committee on Red Cross (ICRC) and United Nations High Commissioner for Refugees (UNHCR) on November 13, 2019. The Chief Guest for the event was Dr Manoj Sinha, Director, Indian Law Institute, New Delhi.

9th ILNU National Moot Court Competition

Institute of Law organised its 9th edition of National Moot Court Competition, 2019 in association with Competition Commission of India from October 11-13, 2019. The competition saw the fierce battle of 24 teams from law colleges across India. On October 13, 2019, the final rounds were conducted which witnessed some of the most brilliant and successful minds as judges. The five judges included Mr Suresh Mishra, Mr Somasekhar Sundaresan, Ms Pallavi Shroff, Mr Hardik Modh and Mr Subodh Bhutoria. The chief guest of the Valediction Ceremony were Dr P N Bhagwati, Member-Board of Governor, Nirma University; Dr Suresh Mishra, Director-Competition Commission of India; Ms Pallavi Shroff, Partner at Shardul Amarchand Mangaldas; and Dr Somasekhar Sundarsen, Independent Counsel.

Institute of Architecture & Planning

Faculty Awards

Prof Utpal Sharma received the following awards:

- Dr APJ Abdul Kalam Education Excellence Award from Indian Solidarity Council, New Delhi on 16th April 2019.

- Bharat Nirman Award for Education Excellence” from Promoting Achievements Foundation, New Delhi on 30th June 2019.
- Dr S Radhakrishnan Shiksha Samman Puraskar from Achievers Association for Health & Educational Growth, New Delhi on 14th October 2019.
- Devang Mehta National Education Award for education leadership from B-School Affair and Devang Mehta National Education on 22nd November 2019.

Students’ Achievements

Mr Jay Patel, alumni of IAPNU pursuing Master’s in Architecture at New York Institute of Technology, New York received the Student life award for Outstanding Graduate Student of the Year at NYIT for year 2019-20.

Institute of Commerce

Faculty Awards

Prof Udai Lal Paliwal and Dr Nitin Kishore Saxena were presented with second best paper award for their joint paper titled, “Integrated Reporting: Bench Marking with best Practice” presented at the 14th India-Japan Bilateral Conference – BICON-2019 organised in September, 2019.

Students’ Awards

- Vanshika Varlani, Yash Goyal, Saloni Bafna, Harsh Patwa and Vaidanshi Nema (students of Semester VI) participated at Vishleshan Plus fest of GLS University and won the Case Analysis Competition.
- Aashna Basotia and Vanshika Varlani (students of Semester VI) participated and won the Case Analysis Competition at the Management Fest of Amrut Mody School of Management, Ahmedabad University.

Major Events Organised

National Level Case Analysis competition

The Institute organised the first ever National Level Case Analysis competition in collaboration with Indian Society for Training and Development – Ahmedabad branch. A total of 122 students from the universities across the country participated in the event scheduled on 31st January 2020.

Research Highlights

With the objective of aligning the faculty with all the 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 highlight of the research work for the financial year (2019-20) are as listed in the table underneath:

Major and Minor Research Projects sanctioned**(Amount in Lacs)**

Type of Research Projects	Projects Sanctioned during the year				Total ongoing Research Projects as on 31.03.2020	
	2018-19		2019-20			
	Number	Amount	Number	Amount	Number	Amount
Major (External)	08	629.68	12	377.99	36	1032.24
Major (Internal)	01	29.91	01	30.00	02	59.91
Minor (External)	06	10.27	-	-	01	0.78
Minor (Internal)	11	12.80	33	29.67	39	37.76
Grand Total (Major & Minor)	26	682.66	46	437.66	78	1130.69

Research Publications

Year	National Journal	International Journal
	Total number of papers published	Total number of papers published
2019-20	12	231
2018-19	41	166

Patents

1 patent filed and Published from Institute of Technology, Nirma University in the year 2019-20, whereas 2 patents have been granted from Institute of Pharmacy

Books Published

The faculty members of the constituent institutes of the university published 13 books during the year 2019-20.

PhD

During the year, 42 students have been registered for the PhD programmes. 40 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, 2020 is 300, which excludes 40 students awarded degree and 14 students whose admissions were cancelled. 13 new faculty members were newly recognised as PhD guides during the financial year, which brings the number of recognised guides to 182 (as on March 31, 2020). It includes internal and external guides.

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 each year a 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.

The Nirma University has got its Central Office and 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 Department of Design. During the year, a number of activities were conducted in the Central Office as well as in the constituent Institutes of the University. The details of these activities are narrated in this report for the period from **April 1, 2019 to March 31, 2020**.

Meeting 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 in **Appendix – A**. [page 13-17]

This year the University conducted meetings of the different authorities of the University and also that of the other bodies, like faculties, boards, committees and councils. The details of the Meetings held are given in **Appendix – B** [page 17]. The details of important decisions taken by the Board of Governors and Academic Council are given below:

Board of Governors

- a) Introduction of Scheme to Promote Research and Innovation amongst the Students, (Resolution No. 3(C) dated 19.04.2019)
- b) Revision in the ceiling of reimbursement of expenditure of books to faculty of various Institutes under the University, (Resolution No. 3(D) dated 19.04.2019)
- c) Introduction of Common Academic Regulations of Executive Diploma Programmes offered by various Institutes under Nirma University, (Resolution No. 4(C)(V) dated 19.04.2019)
- d) Award of degrees to 567 candidates of various U.G, P.G and Ph.D. programmes in the 27th Convocation held on 20.04.2019. (Resolution No. 4(D) dated 19.04.2019)
- e) Introduction of Policy for Promotion of Academic Integrity and Prevention of Plagiarism, (Resolution No. 4(F) dated 19.04.2019)
- f) Appointment of Dr. Anup K Singh as the Director General of the Nirma University, (Resolution No. 7 dated 19.04.2019)
- g) Introduction of Scheme for Promotion of Talent in Cultural and Co-curricular Activities/Events for the students, (Resolution No. 4(B) dated 28.09.2019)
- h) Institution of new programme- MBA (Human Resource Management) under Faculty of Management, (Resolution No. 5(A)(i) dated 28.09.2019)
- i) Award of degrees to 1644 candidates of various U.G, P.G and Ph.D. programmes in the 28th Convocation held on 16.10.2019, (Resolution No. 5(B) dated 28.09.2019)

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

- Introduction of Teaching & Examination Scheme and Syllabus of Executive Diploma Programme in Pharmaceutical Management under Faculty of Pharmacy, (Resolution No. 4(B) dated 18.04.2019)
- Introduction of new M. Tech. specialization- Data Science in Dept. of Computer Science and Engineering, (Resolution No. 8(I)(B) dated 18.04.2019)
- Revision in curricula of specializations of M.Tech. programme by introducing new Teaching & Examination Scheme of Semester-I & II and Syllabi of Semester-I in supersession of the existing curricula, (Resolution No. 8(I)(C) dated 18.04.2019)
- Revision in curricula of the in supersession of the existing curricula due to restructuring in line with model curricula notified by AICTE and also synchronizing the MBA-phase of Integrated BBA-MBA programme with MBA (Full-Time) programme, (Resolution No. 9(I) dated 18.04.2019)
- Introduction of Teaching & Examination Scheme and Syllabi of Term-I of Executive Diploma Programme in Cyber Laws and Forensics under Faculty of Law, (Resolution No. 17 dated 18.04.2019)
- Revision in curricula of specializations of M.Tech. programme by introducing new Teaching & Examination Scheme of Semester-III & IV and Syllabi of Semester-II in supersession of the existing curricula, (Resolution No. 3(B) dated 25.09.2019)
- Increase in the intake of Integrated BBA-MBA programme from existing 180 to 216 from academic year 2020-21 onwards, (Resolution No. 6 dated 25.09.2019)
- Increase the intake of B.Com (Hons.) programme from existing 120 to 144 with effect from academic year 2020-21 onwards, (Resolution No. 9(B) dated 25.09.2019)

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.

Post Graduate Teachers recognized in Institutes of Technology, Pharmacy and Law

During the year, **06** faculty members have been given recognition as Post Graduate Teachers (PGT) in the different areas as per the details given below. The total number of faculty members recognized as P.G.T as on 31.03.2020 is **175** as under:

Table No. 1

Institute	No. of faculties given recognition during the year 2018-19	No. of faculties given recognition during the year 2019-20	No. of faculties retired/resigned in 2019-20	Total No. of recognized PGT available as on	
				31.03.19	31.03.20
Institute of Technology	8	6	4	142	144
Institute of Pharmacy	02	--	--	24	24
Institute of Law	--	--	--	07	07
Total	10	06	04	173	*175

* Includes 31 APGTs

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

Post Graduate Registration

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

Table No. 2

Faculty	Programme		No. of students registered during the year				Total students on roll			
			18-19	2019-20			31.03.19	31.03.2020		
			Total	Boys	Girls	Total	Total	Boys	Girls	Total
Technology & Engineering	i)	Ph.D. (Full time)	09	03	03	06	16	09	10	19
	ii)	Ph.D. (Part-time)	18	11	04	15	107	78	25	103
	iii)	M. Tech *	213	105	60	165	416	226	143	369
	iv)	MCA	46	42	24	66	186	143	63	206
	v)	MCA Lateral (3 rd Sem)	17	20	04	24				
Management	i)	D.P.M. (Full-time)	08	00	02	02	32	05	27	32
	ii)	D.P.M. (Part-time)	02	01	01	02	24	18	06	24
	iii)	MBA **	260	149	102	251	512	320	190	510
	iv)	MBA (FB&E)	60	47	15	62	116	89	30	119
Pharmacy	i)	Ph.D. (Full time)	05	02	02	04	34	15	16	31
	ii)	Ph.D. (Part-time)	-	01	-	01	35	25	05	30
	iii)	M. Pharm	50	23	35	58	108	33	75	108
Science	i)	Ph.D. (Full time)	03	01	04	05	21	09	15	24
	ii)	Ph.D. (Part-time)	03	01	02	03	28	02	17	19
	iii)	M. Sc.	91	17	76	93	179	33	146	179
Law	i)	Ph.D. (Full time)	01	-	01	01	01	-	-	-
	ii)	Ph.D. (Part-time)	02	01	02	03	09	06	07	13
	ii)	LL.M.	20	5	24	29	20	5	24	29
Architecture & Planning	i)	Ph.D. (Part-time)	02	-	-	-	05	01	04	05
Total			810	429	361	790	1849	1017	803	1820

Doctoral Programme in Management

* includes 4 male students of M. Tech.-by Research programme and 1 female student admitted under CIWGC Category

** includes 2 female students under CIWGC Category.

Enrolment

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

Table No. 3

Faculty	Programme		No. of students enrolled During the year in				Total students on roll			
			18-19	2019-20			31.03.19	31.03.2020		
			Total	Boys	Girls	Total	Total	Boys	Girls	Total
Technology & Engineering	i)	B. Tech	892	914	137	1051 ^a	3840	3487	548	4035
		Diploma to Degree	147	104	14	118				
Management	i)	BBA-MBA	136	113	77	190 ^b	464	299	260	559
Pharmacy	i)	B. Pharm	104	72	52	124 ^c	420	228	211	439
	ii)	B. Pharm (D to D)	3	---	---	---				
Law	i)	B.A., LLB.	132	59	60	119	613	308	287	595
	ii)	B.Com., LL.B.	117	58	63	121 ^d	359	198	203	401
Architecture & Planning	i)	B.Arch.	80	40	50	90	349	160	243	403
	ii)	B.Plan	27	---	---	---	113	42	75	117
Commerce	i)	B.Com. (Hons)	66	66	64	130 ^e	186	125	128	253
Dept. of Design	i)	B. Des.	77	21	66	87 ^f	142	60	167	227
Total			1781	1447	583	2030	6486	4907	2122	7029

The total strength of students on the campus in the year 2019-20 is 8849.

In addition to above, 69 Students were admitted in EDP Programmes (duration of 33 Sundays) offered by Institute of Management.

^a Includes 34 students admitted on supernumerary seats in CIWGC-SEA+PIO+FN and 42 students admitted under Tuition Fee Waiver Scheme and 4 student under Physically Handicapped category and 1 student under J&K category.

^b Includes 10 students admitted on supernumerary seats in CIWGC+PIO

^c Includes 03 students admitted on supernumerary seats in CIWGC+PIO category, 2 students admitted under Tuition Fee Waiver Scheme and 1 students under Physically Handicapped category

^d Includes 1 student admitted on supernumerary seat in CIWGC-SEA category

^e Includes 2 students admitted on supernumerary seat in CIWGC-SEA+PIO category

^f Includes 3 students admitted on supernumerary seat in CIWGC-SEA category

Note: PIO = Persons of Indian Origin, CIWGC-SEA = Children of Indian Workers in Gulf Countries-South East Asia, FN = Foreign National

Out of the above total admitted students, admissions under supernumerary categories (i.e. CIWGC-SEA, PIO and FN are as under:

Table No. 4

Programme	No. of students admitted in supernumerary categories during the year 2018-19 & 2019-20						Total Existing Students in supernumerary categories as on 31.03.2019 & 31.03.2020					
	CIWGC-SEA		PIO		FN		CIWGC-SEA		PIO		FN	
	18-19	19-20	18-19	19-20	18-19	19-20	31.3.19	31.3.20	31.3.19	31.3.20	31.3.19	31.3.20
B. Tech	34	31	9	04	1	-	118	114	29	26	2	02
B. Pharm	1	02	-	01	-	-	5	07	8	06	-	-
B.A., LL.B.	1	-	-	-	-	-	1	01	-	-	-	-
B.Com., LL.B.	1	01	-	-	-	-	2	03	-	-	-	-
BBA-MBA	7	08	2	02	-	-	20	26	2	04	-	-
B.Com. (Hons)	2	01	1	01	-	-	4	02	2	03	-	-
MBA	6	06	-	-	1	-	10	11	-	-	1	01
M.Tech.	2	01	-	-	-	-	2	02	-	-	-	-
M.Sc.	1	-	1	-	-	-	1	01	1	01	-	-
B. Des.	-	03	-	-	-	-	-	03	-	-	-	-
Total:	55	53	13	08	2	-	163	170	42	40	3	03

Category-wise students

The break-up of category-wise number of students admitted and total existing strength in the year 2018-19 & 2019-20 are as under (including UG/ PG):

Table No. 5

Institute	Category wise number of Students admitted during the year 2018-19							Category wise number of Students admitted during the year 2019-20						
	Open	SC	ST	SEBC	PH	J&K Migrant	Total	Open	SC	ST	SEBC	PH	J&K Migrant	Total
IT-NU	1036	46	32	226	1	1	1342	1089	73	34	244	4	1	1445
IM-NU	466	-	-	-	-	-	466	507	-	-	-	-	-	507
IP-NU	131	6	1	21	2	1	162	148	11	3	24	1	-	187
IS-NU	83	2	2	10	-	-	97	85	3	-	13	-	-	101
IL-NU	267	-	-	5	-	-	272	266	-	-	7	-	-	273
IAP-NU	85	5	3	16	-	-	109	70	3	2	15	-	-	90
ICNU	66	-	-	-	-	-	66	130	-	-	-	-	-	130
D.O.D.	71	-	-	6	-	-	77	83	2	-	2	-	-	87
Total:	2205	59	38	284	3	2	2591	2378	92	39	305	5	1	2820

Table No. 6

Institute	Category wise Cumulative Existing Students as on 31.03.2019							Category wise Cumulative Existing Students as on 31.03.2020						
	Open	SC	ST	SEBC	PH	J&K Migrant	Total	Open	SC	ST	SEBC	PH	J&K Migrant	Total
IT-NU	3800	135	89	527	10	4	4565	3911	139	103	562	13	4	4732
IM-NU	1217	-	-	-	-	-	1217	1244	-	-	-	-	-	1244
IP-NU	521	16	2	53	4	1	597	509	23	6	62	5	3	608
IS-NU	204	6	2	16	-	-	228	191	6	1	24	-	-	222
IL-NU	990	-	-	12	-	-	1002	1026	-	-	12	-	-	1038
IAP-NU	393	15	4	54	1	-	467	433	17	6	68	1	-	525
IC-NU	186	-	-	-	-	-	186	253	-	-	-	-	-	253
D.O.D.	134	-	-	8	-	-	142	214	2	0	11	0	-	227
Total:	7445	172	97	670	15	5	8404	7781	187	116	739	19	7	8849

Eligibility and Migration Certificates

During the year, the University has issued 2149 Eligibility and 410 Migration Certificates.

Research

Ph.D. Programmes

During the year 2019-20, 13 additional faculty members have been given recognition for guiding research from the Faculty membrs working under the University. The details are given in **Appendix – C [page 18]**. The cumulative existing number of available recognized Ph.D. Guides as on 31.03.2020 is **182**. Faculty wise details are as under

Table No. 8

Faculty	Ph. D. Guides Recognized during the year		Total Available Recognized Ph. D Guides as on			
	2018-19	2019-20	31.03.2019	31.03.2019*		
			Total	Internal	External	Total
Technology & Engineering	05	06	58	54	09	63
Management	-	04	17	19	-	19
Pharmacy	-	-	24	19	03	22
Science	02	01	72	15	57	72
Law	-	01	03	04	-	04
Architecture	-	01	01	02	-	02
Total	07	13	175	113	69	182

* This figure does not include the 6 recognized faculty members who left the Institution.

During the year, **42** additional students have been registered for the Ph. D Programmes. 40 students have been awarded the Ph. D. Degree. The details are given in **Appendix–D [page 18-24]**. The cumulative total number of students registered for Ph. D on 31.03.2020 is **300**. This figure does not include the 40 students who are awarded degree and **14** students whose admissions are cancelled due to non-compliance of Academic Requirement / Voluntary withdrawal.

Research Projects

Research Projects Sanctioned

Table No. 9

(Amount in Lacs)

Type of Research Projects	Projects Sanctioned during the year				Total ongoing Research Projects as on 31.03.2020	
	2018-19		2019-20		Number	Amount
	Number	Amount	Number	Amount		
Major (External)	08	629.68	12	377.99	36	1032.24
Major (Internal)	01	29.91	01	30.00	02	59.91
Minor (External)	06	10.27	-	-	01	0.78
Minor (Internal)	11	12.80	33	29.67	39	37.76
Grand Total (Major & Minor)	26	682.66	46	437.66	78	1130.69

Funding agency wise details of Research Projects during the Financial Year 2018-19 & 2019-20

Table No. 10

(Amount in Lacs)

Type of Research Projects	Funding Agency	2018-19		2019-20	
		Number	Amount	Number	Amount
Major (External)	DST	2	388.73	2	68.43
	DAE	1	12.23	-	-
	Erasmus	1	71.00	-	-
	DBT	1	77.76	1	77.75
	ICSSR	2	31.00	3	25.5
	GSBTM	1	48.97	2	134.48
	ISRO	-	-	3	61.43
	NCSCM & GIDR	-	-	1	10.40
	Total	8	629.69	12	377.99
Major (Internal) :Nirma University		1	29.90	1	30.00
Total (Major)		9	659.59	13	407.99

Minor (External)	ICSSR	1	4.50	-	-
	ITPI	1	1.15	-	-
	UGC-DAE	1	0.45	-	-
	Noori Eye Hospital	1	1.11	-	-
	ASHRAE	1	2.26	-	-
	Duke Plasto Pvt. Ltd	1	0.80	-	-
	Total	6	10.27	-	-
Minor (Internal): Nirma University		11	12.80	33	29.67
Grand Total		26	682.66	46	437.66

Summary of Revenue Generated through Consultancy/Testing / Training (Rs. In Lac)

Table No. 11

Revenue Generated	2018-19	2019-20
	Consultancy / Testing / Training	Consultancy / Testing / Training
Total	162.61	126.46

Research Publications:

Table No. 12

Year	National Journal			International Journal		
	Total number of Papers Published	Number of Papers having Impact Factor	Average Impact Factor for the papers having Impact Factor	Total Number of Papers Published	Number of Papers having Impact Factor	Average Impact Factor for the papers having Impact Factor
2019-20	12	09	1.79	231	175	2.62
2018-19	41	4	0.40	166	107	2.75

Personnel and Administration

During the year 2019-20, total 11 advertisements were published for filling up teaching and non-teaching posts. Out of the applications received, 82 appointments have been made for teaching posts and 29 appointments have been made for non-teaching posts on the recommendations of the selection committee constituted for the purpose. The details are given as under:

Table No. 13

Institutes	Assistant Professor								
	Appointed during		Left during		Total strength in the given AGP as on given date				
					Level 12	Level 11	Level 10	Total existing as on	
	18-19	19-20	18-19	19-20	31.03.20	31.03.20	31.03.20	31.03.19	31.03.20
IT-NU	25	20	19	18	22	57	85	162	164
IM-NU	06	11	06	03	07	02	30	31	39
IP-NU	02	03	02	-	04	06	09	16	19
IS-NU	02	-	01	-	02	03	02	07	07
IL-NU	19	28	14	14	01	01	41	29	43
IAP-NU	08	05	02	04	01	-	20	20	21
IC-NU	02	05	-	01	-	-	08	04	08
DoD	06	04	04	03	-	-	06	05	06
Total	70	76	48	43	37	69	201	274	307

Table No. 14

Institutes	Associate Professor (Level 13)						HoI / Professor (Level 14 /15)					
	Appointed during		Left during		Total existing as on		Appointed during		Left during		Total existing as on	
	18-19	19-20	18-19	19-20	31.03.19	19-20	18-19	19-20	18-19	19-20	31.03.19	31.03.20
IT-NU	03	02	02	02	33	33	-	-	01	02	27	25
IM-NU	-	02	-	03	12	11	01	-	01	01	07	06
IP-NU	-	-	-	-	04	04	-	-	-	-	04	04
IS-NU	-	-	-	-	-	-	-	-	-	-	02	02
IL-NU	01	-	-	-	03	03	-	-	-	-	01	01
IAP-NU	01	01	01	01	03	03	02	01	01	-	02	03
IC-NU	-	-	-	-	-	-	-	-	-	-	01	01
DoD-NU	-	-	-	-	01	01	01	-	01	-	01	01
Total	05	05	03	06	56	55	04	01	04	03	45	43

Table No. 15

Institutes	Total Teaching Faculty Members						Non-Teaching Staff					
	Appointed during		Left during		Total existing as on		Appointed during		Left during		Total existing as on	
	18-19	19-20	18-19	19-20	31.3.19	31.03.20	18-19	19-20	18-19	31.03.20	31.3.19	31.03.20
IT-NU	28	22	22	22	222	222	07	10	05	06	109	114
IM-NU	07	13	07	07	50	56	07	07	07	09	54	51
IP-NU	02	03	02	-	24	27	01	02	02	01	20	21
IS-NU	02	-	01	-	09	09	01	-	-	-	08	08
IL-NU	20	28	14	14	33	47	08	03	07	05	16	15
IAP-NU	11	07	04	05	25	27	-	-	-	-	09	08
IC-NU	02	05	-	01	05	09	01	-	-	-	02	02
DoD-NU	07	04	05	03	07	08	01	01	-	-	02	04
Central Office							06	06	05	05	42	42
Total	79	82	55	52	375	405	32	29	26	26	262	265

The total staff available as on 31.3.2020 in the University is 670* [Teaching = 405 + non-teaching = 265]

* This does not include employees working on the Campus through contract.

Adjunct Professors /Visiting Faculty members

Table No. 16

Institute	Visiting Faculty		Emeritus /Adjunct Professors/Faculty	
	2018-19	2019-2020	2018-19	2019-2020
Institute of Technology	30	30	-	01
Institute of Management	16	24	04	04
Institute of Pharmacy	23	13	01	01
Institute of Science	04	03	-	-
Institute of Law	18	07	02	04
Institute of Architecture	46	48	-	-
Institute of Commerce	14	10	-	-
Department of Design	23	34	01	05
Total:	174	169	08	15

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

Table No. 17

Table NO. 17

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				Cumulative total as on 31.03.20
	19-20	Total till 31.03.20	19-20	Total till 31.03.20	19-20	Total till 31.03.20	19-20	Total till 31.03.20	19-20	Total till 31.03.19	
IT-NU	03	73	-	10	-	08	-	02	93	01	172
IM-NU	01	01	-	-	-	-	-	01	02	-	34
IP-NU	-	08	-	01	-	02	-	-	11	-	22
IS-NU	-	03	-	01	-	-	-	01	05	-	06
IL-NU	-	01	-	01	-	-	-	-	02	-	07
Central Office	-									01	60
Total	04	86	-	13	-	10	-	04	113	02	301

In addition to above 2 faculty members who were on adhoc Basis are converted into Regular Basis in Institute of Technology

* Since implementation of 6th Pay (i.e. from December, 2009) # Since implementation of HR Policy (i.e. from November, 2007)

Faculty Improvement Programme

During the year 22 faculty members have been deputed/permited from the Institutes for Higher Studies. The details of which is given as under:

Faculty Members Deputed/Permitted for Higher Studies

Table No. 18

Institutes	Deputed / Permitted in the year		Already Deputed / Permitted since pervious years (i.e. upto 31.03.19)		Cumulative as on 31.03.2020	
	2018-19	2019-20				
	Ph. D	Ph. D	Master	Ph. D	Master	Ph. D
IT-NU	8	16	77	139	77	155
IM-NU		-	-	06	-	06
IP-NU	-		-	11	-	11
IL-NU	-	04		-		04
IAP-NU	01	02	-	05	-	07
Total	09	22	77	161	77	183*

* 14 Faculty members discontinue/left without completing their Ph. D

Faculty members Completed/Pursuing Higher Studies

Table No. 19

Institute	Completed higher studies				Faculty members pursuing higher studies as on 31.03.2020
	2018-19	2019-20	Cumulative as on 31.03.2020		
	Ph. D	Ph. D	Master	Ph. D	
IT-NU	10	06	77	70	73
IM-NU	-	-	-	05	00
IP-NU	02	-	-	10	01
IL-NU	-	-	-	-	04
IAP-NU		-	-	-	06
Total	12	06	77	85	84

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 2018-19 & 2019-20 the scholarships/financial assistance are given as per the details underneath:

Table No. 20

Sr. No.	Type of Financial Assistance	No. of Students benefitted		Amount of financial Assistance in Lacs	
		2018-19	2019-20	2018-19	2019-20
1	Based on Merit	298	285	244.00	238.07
2	Merit cum means	268	251	224.07	231.13
3	Stipend to PG Students	455	505	221.68	242.22
4	Fellowships to Doctoral Students	46	50	76.88	86.92
5	Students needy fund	15	12	9.80	9.54
6	100% subsidy on Interest on Education Loan	10	07	2.85	1.96
7	50% subsidy on Interest on Education Loan	03	04	0.66	0.45
Total		1095	1114	779.94	810.29

In addition to the above, 396 students have availed the benefit of book bank facility in the year 2019-20.

Government Scholarships / Fellowships:

Institute wise Government Scholarships / Fellowships received by the Students:

Table No. 21

Institute	IT-NU	IM-NU	IP-NU	IS-NU	IL-NU	IAP-NU	IC-NU	Total
Number of students	1102	08	113	10	04	45	23	1305

Infrastructure Development

During the Financial Year 2019-20, expenditure for development of infrastructure facility has been made as per the following details:

Table No. 22

(₹ in Lacs)

Description	Institute wise expenditure during the year 2018-19									Total	
	ITNU	IMNU	IPNU	ISNU	ILNU	IANU	ICNU	DOD	NU	2018-19	2019-20
Equipment	206.24	58.41	27.00	18.08	2.48	1.64	7.49	14.78	1484.03	705.29	1820.15
Computers	51.47	24.46	4.15	0.87	9.76	6.03	4.36	26.07	1.52	361.56	128.69
Books	8.82	17.49	5.55	1.97	9.92	9.92	0.71	9.71	0.00	58.23	64.09
Vehicles	0.00	28.16	0.00	0.00	7.08	0.00	0.00	0.00	0.00	6.97	35.24
Furniture & Fixtures (including WIP)	24.95	52.78	0.00	0.00	25.38	12.99	0.00	27.41	610.37	1022.15	753.88
Building	33.98	26.78	0.00	0.00	0.00	0.00	0.00	0.00	4807.77	3415.60	4868.53
Building (WIP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	897.24	1138.26	897.24
Total	325.46	208.08	36.70	20.92	54.62	30.58	12.56	77.97	7800.93	6708.06	8567.82

The total amount spent in the Financial Year 2019-20 for above infrastructure comes to ₹ 8567.82 lacs

Staff Welfare Activities

Reimbursement of Expenditure to the Employees of the University for the year 2019-20 are as under:

Table No. 23

(₹ in Lacs)

Description	Institute wise expenditure during the year 2019-20										Total	
	ITNU	IMNU	IPNU	ISNU	ILNU	IANU	NU	ICNU	DOD	CCE	2018-19	2019-20
Expenses towards Tuition Fee for the Employees' Dependent Children	21.95	6.24	3.84	0.95	2.12	1.31	1.30	0.27	0.09	0.12	35.00	38.16
Expenses towards Hospitalization	8.34	3.24	0.42	0.00	0.34	0.00	0.00	0.00	0.00	0.00	13.38	12.34
Expenses towards Purchase of Books/ Magazine/ Subscription of Journals / Membership etc.	8.35	1.76	1.45	0.35	0.75	0.76	0.00	0.11	0.12	0.00	8.68	13.65
Expenses towards LTC/HTC	25.43	4.29	8.30	0.44	2.43	2.35	2.55	0.00	0.32	0.00	36.07	46.11
Expenses towards Recreation Activities	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.11	0.00
Expenses towards Medical Allowances	11.39	3.47	1.44	0.54	1.46	1.08	0.50	0.28	0.20	0.04	23.85	20.40
Total	75.46	19.00	15.45	2.28	7.10	5.50	4.35	0.66	0.73	0.16	120.09	130.66

Libraries

Nirma University has seven Institutes and each Institute has its own Library. The details of books journals etc. in the libraries during the year 2018-19 & 2019-20 are given below:

Books

Details of books added during the year 2019-20 and total as on 31.03.2020 in Technical and Science, Humanities subject

Table No. 24

Name of the Institute	Number of Books for Technical subjects during the year 2019-20				Number of Books for Science & Humanities during the year 2019-20			
	Number of Titles & Volumes added during the year		Cumulative Total No. of Titles & Volumes as on 31.3.2020		Number of Titles & Volumes added during the year		Cumulative Total No. of Titles & Volumes as on 31.3.2020	
	Title	Volumes	Title	Volumes	Title	Volumes	Title	Volumes
IT-NU	377	716	30407	48876	244	299	9791	11500
IM-NU	699	699	21438	23157	533	533	12764	13272
IP-NU	126	172	3400	5480	68	70	2487	3843
IS-NU	46	54	1187	1329	24	28	1036	1222
IL-NU	424	465	8155	10222	202	207	2320	2727
IAP-NU	375	399	2894	3399	35	36	257	268
IC-NU	114	114	418	418	0	0	0	0
DoD	294	299	992	1016	128	128	184	186
Total	2455	2918	68891	93897	1234	1301	28839	33018

Table No. 25

Institutes	Total (Taken all types of Book)							
	Total Titles & Volumes added during the year				Cumulative Total No. of Titles & Volumes as on			
	Titles		Volumes		Titles		Volumes	
	2018-19	2019-20	2018-19	2019-20	31.03.19	31.03.20	31.3.19	31.03.20
IT-NU	745	621	1230	1015	39577	40198	59361	60376
IM-NU	1161	1232	1164	1232	32970	34202	35197	36429
IP-NU	121	194	132	242	5693	5887	9081	9323
IS-NU	57	70	65	82	2153	2223	2469	2551
IL-NU	405	626	483	672	9849	10475	12277	12949
IAP-NU	534	410	610	435	2741	3151	3232	3667
IC-NU	142	114	142	114	304	418	304	418
DoD-NU	257	422	275	427	754	1176	775	1202
Grand Total	3422	3689	4101	4219	94041	97730	122696	126915

Journals

Table No. 26

Institutes	Number of Periodicals / Journals during the year 2018-19		Material which includes CD's / Cassettes other Audio-visual Materials	
	Added during the year 2019-20	Cumulative total as on 31.3.20	Added during the year 2019-20	Cumulative total as on 31.3.20
IT-NU	14 Printed	169 Printed + 717 Online	-	601
IM-NU	6 Printed	221 Printed + 12580 online	7	1206
IP-NU	-	39 Printed + 88 Online	-	47
IS-NU	-	6 Printed + 9 online	-	1
IL-NU	2 Printed+1261 Online	73 Printed+3625 Online	20	575
IAP-NU	-	30 Printed+ 370 Online	7	79
IC-NU	2 Printed	9 Printed	-	-
DoD	-	14 Printed	-	8
Total	24 Print +1261 Online	561 Printed + 17389 Online	34	2517

Centre for Quality Assurance and Academic Development (CQAAD) & Directorate of Research and Innovation (DRI)

New Activities / Initiatives:

- Coordinated and Prepared the Strategic Plan Document of the University for 2020-25.
- Compiled and submitted the application for Renewal of Recognition as Scientific and Industrial Research Organizations (SIROs) of Nirma University to Dept of Scientific and Industrial Research (DSIR) – Ministry of Science and Technology, Govt. of India, and received the renewal of Recognition for the next three years, i.e., up to March 2023.
- Prepared the document entitled “Statement of Envisioning the Future (2020-30)” of Nirma University.
- Coordinated for the preparation of on-line data entry portal for various criteria of NAAC

The summary of different types of training programmes, refresher courses, workshops etc., organized by the CQAAD/DRI during the year 2019-20 are as under:

Table No. 27

Sr. No.	Name of the Programme	Number of Participants	Duration of the Programme
1	Faculty Induction Training Program	38	May 27 – June 21, 2019

Refresher Programme/Short Term Training Programmes (STTPs):

Table No. 28

Name of the Department/Institute	Duration of the Program	Title	Name of the Coordinator	Number of Participants
Electronics and Communication Engineering ITNU	June 24-July 06, 2019	Innovative and Effective Pedagogic Practices	Prof. Y. N. Trivedi	23
Computer Science & Engineering Department, ITNU	June 24-July 06, 2019	Innovative and Effective Pedagogic Practices	Prof. Y. N. Trivedi	10
Instrumentation and Control Engineering Department, ITNU	June 24-July 06, 2019	Innovative and Effective Pedagogic Practices	Prof. Y. N. Trivedi	05
Maths & Humanities, ITNU	June 24-July 06, 2019	Innovative and Effective Pedagogic Practices	Prof. Y. N. Trivedi	02
Chemical Engineering Department, ITNU	June 24-July 06, 2019	Steady State and Dynamic Process Simulation in Chemical	Prof. M. H. Joshipura	07
Mechanical Engineering Department, ITNU	June 24-July 06, 2019	Hands-on-Experience in Advanced Laboratory Practices in Mechanical	Prof. S. J. Joshi	29
Electrical Engineering Department, ITNU	June 24-July 06, 2019	Application of Software Resources in Electrical Engineering	Dr. Kuntal Bhattacharjee	21

Institute of Law	July 01-July 15, 2019	“Strengthening Clinical Legal Education Through Pedagogy of Compassion, Hope and Practice”	Dr. Madhuri Parikh	20
Institute of Architecture and Planning	June 24-July 06, 2019	Design Charrette based Teacher Training Programme Focusing in Urban Housing	Prof. Vibha Gajjar	19

National Level Programmes

Table No. 29

Sr. No.	Name of the Programme	Duration of the Program	Number of Participants
1	INSPIRE Fellowship Review Meeting – 2019, Sponsored by Department of Science and Technology (DST), Government of India	July 25-27, 2019	95
2	One-day Science Communication Workshop (SciComm101) sponsored by Wellcome Trust/DBT India Alliance	July 27, 2019	52
3	One Day Seminar on “Research Funding Avenues: Opportunities and Conversion”	February 01, 2020	84

Research Development Programmes

Table No. 30

Sr. No.	Name of the Programme	Duration of the Program	Number of Participants
1	Awareness Session by Dr. Prachi Kaul on Various Funding Schemes of Shastri Indo-Canadian Institute	August 03, 2019	84
2	Research Workshop for Ph.D. Scholars	August 31 & September 07, 2019	25
3	Two-day Author Workshops for Ph.D. Scholars and Faculty	December 18-19, 2020	92
4	Poster Presentation by Ph.D. Scholars	February 15, 2020	50
5	Expert Session by Ms. Gopi Trivedi – Patent Attorney on 'Essentials of Patent Drafting'	February 29, 2020	150

University Events

Table No. 31

Name of Event	Date	Chief Guest
27 th Convocation	April 24, 2019	Shri Justice Dipak Misra Former Chief Justice of India
28 th Convocation	October 16, 2019	Mr. Guenter Butschek CEO and Managing Director, Tata Motors Ltd.
Independence Day	August 15, 2019	Mr. P.K. Ghosh, IAS (Rtd.), Chairman, Ahmedabad World Heritage City Trust
Republic Day	January 26, 2020	Prof. Ashoke Chatterjee, Former Director, National Institute of Design, Ahmedabad

Members of Trust (Nirma Education and Research Foundation)

Sr.	Name	Sr.	Name
1.	Dr. Karsanbhai K. Patel Chairman, Nirma Education & 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, Ashram Road Ahmedabad	4.	Shri Hirenbhai K. Patel Managing Director, Nirma Ltd. Nirma House, Ashram Road Ahmedabad
5.	Shri R.D. Shah Chartered Accountant Nirma House, Ashram Road 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, Ashram Road Ahmedabad.
5	Shri Hirenbhai K. Patel Managing Director Nirma Ltd., Nirma House Ashram Road, Ahmedabad	6	Ms Anju Sharma, IAS Principal Secretary Dept. of Higher and Technical Education, Block No. 5, 8th Floor Sachivalaya, Gandhinagar
7	Shri J. P. Joshipara 240, Manek Baug Society S M Road, Nirma Circle Ahmedabad-380015	8	Dr. Pankajbhai Patel Chairman & Managing Director Zydus Cadila Healthcare Ltd. Satellite, Ahmedabad.
8	Shri Kamalbhai Trivedi Advocate General, Gujarat High Court The Chamber, Opp. Gurudwara, Theltej Cross Road, Ahmedabad.	9	Dr P. N. Bhagwati Chairman, Bhagwati Sphero Cast Ltd. 1, Krishna Society, Near Law Garden Ellisbridge, Ahmedabad

10 Shri Vipinbhai Parikh, Advocate
3, Khadayata Colony, b/h Pantaloon Show
Room, Nr. Law Garden, Ellisbridge,
Ahmedabad-380 006

12 Prof. N. R. Madhava Menon
Hon. Director, Bar Council of Kerala
M.K.Nambyar
Academy for Continuing Legal Education,
Kochi
(up to 08.05.2019)

14 Prof. Manjunath Ghate
Dean, Faculty of Pharmacy
Nirma University, Ahmedabad.

11 Shri R. D. Shah
Chartered Accountant, Nirma House
Ashram Road, Ahmedabad

13 Prof. Alka Mahajan
Dean, Faculty of Technology & Eng.
Nirma University
Sarkhej-Gandhinagar Highway
Ahmedabad.

15 Shri G. Ramachandran Nair - Secretary
Executive Registrar
Nirma University, Ahmedabad

Members of Academic Council

Sr.	Name	Sr.	Name
1.	Dr. Anup K Singh - Chairman Director General, Nirma University Ahmedabad	2.	Shri K. Thyagrajan Iyer Ahmedabad
3.	Prof. Rochish Thaokar Dept. of Chemical Engineering I.I.T. Bombay, Mumbai	4.	Prof. Anamik Shah Vice Chancellor, Gujarat Vidyapith Ahmedabad
5.	Dr. K.C. Vora Sr. Dy. Director & Head ARAIndia, Pune	6.	Prof M. Mallikarjun Dean, Faculty of Management Nirma University, Ahmedabad
7.	Prof Alka Mahajan Dean, Faculty of Technology & Engineering, Nirma University, Ahmedabad	8.	Prof Purvi Pokhariyal Dean, Faculty of Law Nirma University, Ahmedabad
9.	Prof Manjunath Ghate Dean, Faculty of Pharmacy Nirma University, Ahmedabad	10.	Prof Utpal Sharma Dean, Faculty of Architecture & Planning Nirma University, Ahmedabad
11.	Prof Sarat Dalai Dean, Faculty of Science Nirma University, Ahmedabad	12.	Prof Udai Paliwal Dean, Faculty of Commerce Nirma University, Ahmedabad
13.(A)	Prof Dhaval Pujara Dean (i/c), Faculty of Doctoral Studies & Research, Nirma University, Ahmedabad (up to 15.07.2019)	13.(B)	Prof P. N. Tekwani Dean, Faculty of Doctoral Studies & Research, Nirma University, Ahmedabad (from 16.07.2019)

14.	Prof. Milind Joshipura Dept. of Chemical Engineering Institute of Technology Nirma University, Ahmedabad	15.	Prof. Kaushik Patel Dept. of Mechanical Engineering Institute of Technology Nirma University, Ahmedabad
16.	Prof. Parul Patel Dept. of Civil Engineering Institute of Technology Nirma University, Ahmedabad	17.(A)	Prof. N. M. Devashrayee Dept. of Electronics & Communication Engineering, Institute of Technology Nirma University, Ahmedabad <i>(up to 23.01.2020)</i>
17.(B)	Prof. Usha Mehta Dept. of Electronics & Communication Engineering, Institute of Technology Nirma University, Ahmedabad <i>(from 24.01.2020)</i>	18.	Prof. Santosh Vora Dept. of Electrical Engineering Institute of Technology Nirma University, Ahmedabad
19.	Prof. Dipak Adhyaru Dept. of Instrumentation & Control Engineering Institute of Technology Nirma University, Ahmedabad	20.	Prof. Madhuri Bhavsar Dept. of Computer Science and Engineering Institute of Technology Nirma University, Ahmedabad
21.	Prof. Jigna Shah Pharmacology area Institute of Pharmacy Nirma University, Ahmedabad	22.	Prof. Tejal Mehta Pharmaceutics & Pharmaceutical Technology area Institute of Pharmacy Nirma University, Ahmedabad
23.	Prof. Priti Mehta Pharmaceutical Analysis area Institute of Pharmacy Nirma University, Ahmedabad	24.	Dr. Hardik Bhatt Associate Professor Pharmaceutical Chemistry area Institute of Pharmacy Nirma University, Ahmedabad
25.	Prof. Deepak Danak Economics and Finance area Institute of Management Nirma University, Ahmedabad	26.	Prof. Ashwini Awasthi Marketing area Institute of Management Nirma University, Ahmedabad
27.	Prof. Nityesh Bhatt Information Management area Institute of Management Nirma University, Ahmedabad	28.	Prof. Rajesh Jain General Management area Institute of Management Nirma University, Ahmedabad
29.(A)	Dr. Sameer Pigle OP&HRM area Institute of Management Nirma University, Ahmedabad <i>(up to 21.01.2020)</i>	29.(B)	Dr. Hardik Shah OB&HRM area Institute of Management Nirma University, Ahmedabad <i>(from 22.01.2020)</i>

30. Prof. Shalini Rajkumar Institute of Science Nirma University, Ahmedabad	31. Dr. Tarkesh Molia Associate Professor Institute of Law Nirma University, Ahmedabad
32. Ms Vibha Gajjar Associate Professor Institute of Architecture & Planning Nirma University, Ahmedabad	33. Prof. Sangita Shroff Head, Department of Design Nirma University, Ahmedabad
34. Shri G. Ramachandran Nair - Secretary Executive Registrar 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 Hirenbbhai 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 Sarat Dalai Dean, Faculty of Science Nirma University, Ahmedabad
5.	Shri G. Ramachandran Nair - Secretary Executive Registrar Nirma University, Ahmedabad		

OFFICERS OF THE UNIVERSITY

Sr.	Name	Designation
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1.	Shri K. K. Patel	Vice President
2.	Dr. Anup K. Singh	Director General
3.	Shri G. Ramachandran Nair	Executive Registrar
4.	Prof. Manjunath Ghate	Dean, Faculty of Pharmacy
5.	Prof. M. Mallikarjun	Dean, Faculty of Management
6.	Prof. Alka Mahajan	Dean, Faculty of Technology & Engineering
7.	Prof. Purvi Pokhariyal	Dean, Faculty of Law
8.	Prof. Sarat Dalai	Dean, Faculty of Science
9.	Prof. Utpal Sharma	Dean, Faculty of Architecture & Planning
10.	Prof. Udai Paliwal	Dean, Faculty of Commerce
11.(a)	Prof. Dhaval Pujara	Dean (i/c), Faculty of Doctoral Studies & Research (up to 15.07.2019)
11.(b)	Prof. P. N. Tekwani	Dean, Faculty of Doctoral Studies & Research (from 16.07.2019)
12.	Prof. Sangita Shroff	Head, Department of Design, Nirma University

Appendix – B

Details of Meetings of the Authorities of the University

Sr.	Authorities of the University	Dates of Meeting
1.	Board of Governors	19.04.2019, 28.09.2019
2.	Academic Council	18.04.2019, 25.09.2019
3.	Finance Committee	18.09.2019, 13.03.2020
4.	Faculty of Technology & Engineering	23.08.2019
5.	Faculty of Management	29.08.2019
6.	Faculty of Pharmacy	26.08.2019, 04.03.2020
7.	Faculty of Science	09.08.2019, 20.02.2020
8.	Faculty of Law	31.08.2019, 07.03.2020
9.	Faculty of Architecture & Planning	23.08.2019, 03.03.2020
10.	Faculty of Commerce	06.09.2019, 11.03.2020
11.	Faculty of Doctoral Studies & Research	12.04.2019, 17.09.2019
12.	Boards of Studies in Engineering	01.08.2019 to 03.08.2019, 25.02.2020 to 27.02.2020
13.	Joint Board of Studies in Humanities & Social Science and Joint Board of Studies in Science (under Faculties of Technology & Engineering and Pharmacy)	01.08.2019, 25.02.2020
14.	Academic Area Committees in Management	05.09.2019 to 06.08.2019, 25.02.2020 to 29.02.2020
15.	Academic Area Committees in Pharmacy	25.07.2019, 03.02.2020 to 04.02.2020
16.	Joint Boards of Studies in Science	22.07.2019, 28.01.2020
17.	Boards of Studies in Law	03.08.2019, 15.02.2020
18.	Board of Studies in Architecture	26.07.2019, 17.02.2020
19.	Ad hoc Joint Board of Studies in Planning	26.07.2019, 17.02.2020
20.	Ad hoc Board of Studies in Commerce	20.08.2019, 12.02.2020
21.	Ad hoc Board of Studies in Design	13.08.2019, 15.02.2020

Details of Recognition given as Ph.D. Guides during the Year 2019-20
From Space Application Centre (ISRO)

Sr. No.	Name	Discipline
1	Dr. Arundhati Mishra	Computer Sciece Engineering

From Institutes of the University

Sr. No.	Name	Discipline
1	Dr. Bora Leena Vijaykumar	Chemical Engineering
2	Dr. Rangwala Hasan Mohammedi	Civil Engineering
3	Dr. Joshi Digesh Dilipkumar	Civil Engineering
4	Dr. Shah Manisha Tushar	Electrical Engineering
5	Dr. Niraj K. Shah	Mechanical Engineering
6	Dr. Patni Neha	Chemistry
7	Dr. Misra Hrudanand Gunanidhi	Economics
8	Dr. Tejas Rajeshbhai Shah	Marketing
9	Dr. Thanki Shashank Jayantbhai	Quantitative Techniques & Operation Management
10	Dr. Saurabh Punit	Strategy and Entrepreneurship
11	Dr. Gogosetti Venkata Narasimha Rao	Law
12	Dr. Aparna	Architecture

Details of Students Registered for Doctoral Studies (Ph.D.) during the year 2019-20

Sr. No	Student Name	Guide	Faculty	Tentative Topic
1	Anuja R. Nair	Dr. Sudeep Tanwar	Tech & Engg	Blockchain Based Health Care System
2	Shahu Manojkumar Pratap	Dr. Sudeep Tanwar	Tech & Engg	Secure Decentralized Data Management in V2G Environment
3	Shiv Kumar Goyal	Dr. Amisha Naik	Tech & Engg	Design, development & Characterization of SiPM Based Scintillation Detector & Its Front-end Readout Electronics for High-energy Detection
4	Vora Riddhi Atulbhai	Dr. Urmil V. Dave	Tech & Engg	Use of Micro-encapsulation for Self-healing Concrete
5	Tank Meenaxi Rameshbhai	Dr. Priyank Thakkar	Tech & Engg	Text Data Processing Using Deep Learning
6	Kaneekdeep Tejinder Singh	Dr. Himanshu K. Patel	Tech & Engg	Development of Megnetic Sensor for Industiral Application

7	Patel Ajaykumar Madhubhai	Dr. Sanjay Garg	Tech & Engg	Financial Data Prediction using Machine Learning and Deep Learning Techniques
8	Prajapati Kinjal Rameshbhai	Dr. Madhuri Bhavsar	Tech & Engg	Detecting and Monitoring Ocean Surface Targets Using Remote Sensing
9	Shalok Bharti	Dr. Nilesh D. Ghetiya	Tech & Engg	Investigating the effect of Friction Stir processing on surface modification of aluminium alloys
10	Mulchandani Bharti Dholoomal	Dr. Zunnun Narmawala	Tech & Engg	Resource Allocation in Hierarchical IoT Systems
11	Modi Chintan Kishorchandra	Dr, M. H. Joshipura	Tech & Engg	Studies on Phase Equilibrium of Green Solvents
12	Sathe Pushkar Manohar Meghana	Dr. Alka Mahajan	Tech & Engg	Improved Non-invasive Techniques to Identify Fetal Congenital Anomalies
13	Patel Harshad Shantibhai	Dr. Mitesh Panchal	Tech & Engg	Strength Characterization of nanofiller Based Materials
14	Desai Saumil Hirenabhai	Dr. Mitesh Panchal	Tech & Engg	Graphene Based 2- Dimensional Platform as Nano-resonators
15	Maheta Vishal Ketankumar	Dr. Mihir Chauhan	Tech & Engg	Omni drive robotic manipulator for in- house applications
16	Majithia Ashish Ramjibhai	Dr. J. M. Dave	Tech & Engg	Optimize Hole Shape and Fiber Orientation of Unsymmetrical Anisotropy Signly Curved Infinite Laminate for Minimum Stress Concentration
17	Rana Ravindra Sureshbhai	Dr. D. M. Adhyaru	Tech & Engg	Robust Control of Nanlinear Systems Using Soft-Computing Techniques
18	Kothari Vineet Gautamchand	Dr. Urmil V. Dave	Tech & Engg	Use of Nano Material to Enhance the Properties of Concrete
19	Hathaliya Jignaben Jethabhai	Dr. Priyanka Sharma	Tech & Engg	Security in Healthcare 4.0
20	Sharma Anshul Anil	Dr. Jayehs Ruparelia	Tech & Engg	Topic not finalised

21	Movaliya Satishkumar Keshubhai	Dr. S. S. Patel	Tech & Engg	Treatment of Industrial Waste-water by using Perovskite structure based catalyst in Photocatalytic reactor
22	Palwe Shweta Pramod	Dr. Nair Amee Krishnakumar	Science	Effect of Glucose Medicated Stress on Cellular Proliferation
23	Khushboo Mehta	Dr. Vijay Kothari	Science	Understanding the Link Between Genome Instability and Head and Neck Cancer Using Whole-exome Aequencing
24	Gor Abhishek Atulbhai	Dr. Chetna Chauhan	Science	Growth and Characterization of Nano-Structured Thin Film Magnetic Materials and its Applications
25	Adhiya Ashaben Narendrakumar	Dr. Ankur Pandya	Science	Study on Polarization Characteristics of Optical Media Using Stokes and Mueller Matrix Polarimetry
26	Suman Danani	Dr. Chetna Chauhan	Science	Studies of ITER ECE Diagnostic Design and Challenges
27	Trivedi Devangkumar Dilipbhai	Dr. Sonal Bakshi	Science	Development Novel Cytokine based Immunotherapy for Lung and Colon Cancer
28	Parmar Sweety Girishbhai	Dr. Vijay Kothari	Science	In Vitro Antimicrobial Activity of Citrullus Lanatus Seeds and Rind Extract Against Various Gram Positive and Gram Negative Bacteria.
29	Ghoghari Niharika Keshavlal	Dr. Shalini Rajklumar	Science	Investigation the Involvement of NRPS-NIS Hybrid Mechanism in Siderophore Biosynthesis by Rhizobium sp. Td3
30	Goswami Vishalgiri Gunvantgiri	Dr. Bhumika Dipen Patel	Pharmacy	Design, Synthesis and Biological Evaluation of Wnt Signalling Modulators
31	Garkal Atul Dattatraya	Dr. Tejal Mehta	Pharmacy	Design, Development and In-vitro Release Testing of Novel Nano

				Formulation for Ocular Treatment
32	Vinchhi Preksha Mahendrabhai	Dr. Mayhur Patel	Pharmacy	Formulation, Optimization and Evaluation of Nanoparticulate Drug Delivery System for Targeted Delivery of Anti-Rheumatic Drugs
33	Bhalodi Krishna Hemantbhai	Dr. Charmy Kothari	Pharmacy	Formulation, Evaluation & Stability Testing of Drug In-Situ Gel Preparation for Dental Disorders Using Quality by Design
34	Monika Rani	Dr. Tejal Mehta	Pharmacy	Development and Characterization of Nanoformulation for the Treatment of Fungal Disease
35	Tiwari Neha Ramesh	Dr. Hardik Shah	Management	An Empirical Study on Skills Development: A Panorama Towards Prosperous Nation
36	Priya Hatchandani		Management	Topic not finalised
37	Harshita Vyas		Management	Topic not finalised
38	Yash Zanane	Dr. Sahir Bhatt	Management	A Strategical Framework on Employee on Job Training Journey Managing Performance
39	Amulya Nigam	Dr. Madhuri Parikh	Law	Analysis of Indian Policy in Implementation of Sustainable Development Goals
40	Jayeshkumar Shivrambhai Mali	Dr. G. V. Narasmiha Rao	Law	The Role of Anti - Corruption Tools to Crub Corruption in Gujarat: A Critical Analysis
41	Thaker Abhisst Kaushalbhai	Dr. Madhuri Parikh	Law	Critical Analysis of the Wildlife Protection ACT With Special Reference to the Judgements of the Supreme Court of India and Gujarat High Court
42	Agrawal Nishtha Raghavkumar Manju	Dr. Purvi Pokhariyal	Law	Gender Inequality in Lower Judiciary

List of deregistered Research Scholars

Sr. No.	Student Name	Registration Date	Faculty
1	Zadfiya Rajeshbhai Labhubhai	15-05-2014	Technology & Engineering
2	Gohel Vivek Premji	06-03-2014	Technology & Engineering
3	Trivedi Shival Jayesh	29-04-2016	Technology & Engineering
4	Shubham Singh	15-06-2018	Technology & Engineering
5	Shahu Manojkumar Pratap	07-06-2019	Technology & Engineering
6	Revar Pooja Mansukhbhai	12-06-2018	Technology & Engineering
7	Sharma Anshul Anil	17-06-2019	Technology & Engineering
8	Pinakin Ranchhodbhai Khambhala	04-08-2016	Science
9	Palwe Shweta Pramod	16-07-2019	Science
10	Khushboo Mehta	22-07-2019	Science
11	Shah Ankur Satishbhai	28-08-2014	Pharmacy
12	Harshita Gupta	13-06-2018	Pharmacy
13	Vivek Shukla	28-09-2013	Management
14	Musharefa Ansari	15-06-2018	Law

Candidates Awarded Degree of Doctorate (Ph. D) during the year 2019-2020

Sr. No.	Student Name	Faculty	Topic
1	Solanki Pareshkumar Mahendrabhai	Tech & Engg	Design and Development of Privacy Preserving Techniques for Data Stream Mining
2	Patel Rohit Bhimjibhai	Tech & Engg	Performance Enhancement of WDM Optical System with Coherent Detection
3	Oza Virang Hareshchandra	Tech & Engg	Performance Analysis of a Solar Refrigeration System
4	Bhatasana Piyushkumar Maganlal	Tech & Engg	Investigations on Low Activation RF MEMS Shunt Switches
5	Fataniya Bhupendra Damjibhai	Tech & Engg	Microscopic Image Based Classification Algorithms for few Herbal Plants Identification using Machine Learning Approaches
6	Gopi B Sanghani	Tech & Engg	Personalised Email Spam Filtering Using Support Vector Machine
7	Nileshkumar M Gambhava	Tech & Engg	Hash Tag Clustering Using Genetic Algorithm
8	Patel Nileshkumar Dahyalal	Tech & Engg	A Low Jitter – Low Phase Noise Wideband Digital Phase Locked Loop in nanometer CMOS Technology
9	Pradyumansinh Udaysinh Jadeja	Tech & Engg	Trend Identification in Microblogs
10	Bora Leena Vijaykumar	Tech & Engg	Development of Photocatalyst for Effective Utilization of Solar Energy for Wastewater Treatment
11	Bhatia Jitendra Bhagwandas	Tech & Engg	Design and Development of a Framework for Reliable Data Dissemination in VANET Environment using software Defined Networking and Cloud
12	Ravindra Kumar Singh	Tech & Engg	Investigations on Ultra-Wideband (UWB) Monopole Antennas for Spectrum Monitoring

13	Kalpesh Pathak	Tech & Engg	Performance Analysis of Soft Computing Technique based Adaptation Mechanism for Model Reference Adaptive Control
14	Patel Mahesh Amrutbhai	Tech & Engg	Design and Performance Analysis of a Novel Fall-back Transverse-Flux Permanent Magnet Generator for Direct-Drive Wind Power Generation.
15	Praveen Kumar Atrey	Tech & Engg	Design and Development of Microwave Interferometer and Reflectometer Systems for Plasma Diagnostics in Tokamak
16	Naveen Yadav	Science	Understanding the Plasmodium berghei liver-stage specific CD8 + T Cells: maintenance and role in liver damage
17	Aditi Mohan Krishnan	Science	Inclusion of Non-target antigen in vaccination favors generation of OV A specific CD4 Memory T Cells
18	Rajesh Parmar	Science	Infectious Nature of Plasmodium berghei sporozoite modulates APCs to induce better liver-stage memory CD8+T cells
19	Harish Seth	Science	Study of spectral Characterization of Electro-optical sensors and apply it to analyze multispectral and Hyper Spectral Payloads
20	Saiyed Nazia Mohammedahmed	Science	A Study of Birth Defects: Genetic and Epigenetic Determinants
21	Garima Joshi	Science	Experimental studies of plasma in Electron magnetohydrodynamic regime
22	Neha Patni	Science	Study of Polyaniline Based Composites for Electrochemical Applications
23	Joshi Chinmayi Kamleshkumar	Science	Investigation on anti-pathogenic potential of Panchvalkal and Punica granatum peel extract against certain human-pathogenic bacteria
24	Zala Dolatsinh Balvantsinh	Science	Study of Epidemiology and Development of Serodiagnosis of Leptospirosis in Union Territory of Dadra Nagar Haveli
25	Sudhakar Sharma	Science	Hydrological Modelling of Lower Tapi Basin for Flood Vulnerability and Risk Assessment – Study based on Remote Sensing and GIS Techniques
26	Darji Avani Devendrabhai	Science	Isolation, Characterization and Development of Cell Lines from Acute Myeloid Leukemic Patients
27	Mayuree Ashwinkumar Patel	Pharmacy	Comparative evaluation of sodhan-dravyas used for sodhit Guggulu for the antihyperlipidemic potential
28	Sagar Sneha Rameshchandra	Pharmacy	Design and synthesis of novel imidazopyridine derivatives and their bioisosters in the management of Alzheimer's Disease
29	Barai Priyal Sunilbhai	Pharmacy	Study of Mechanism of action of some neuroprotective agents from Indian Medicinal Plants
30	Komal Vikas Chaudhary	Pharmacy	Development and Analysis of Long Acting Parenteral Formulation

31	Raval Nisith Jayeshbhai	Pharmacy	Formulation Development of Functionalized Brain Targeted Drug Delivery System for the Management of Cognitive Impairment
32	Patel Mitalben Nageshbhai	Pharmacy	Degradation study of Selected PDE 5 inhibitors and their marketed formulation by applying QbD approach
33	Arora Bhoomi Saurabh	Pharmacy	Investigation of Prediabetes and Obesity Prevalence and their Association with Various Risk Factors
34	Variya Bhaveshbhai Chhaganbhai	Pharmacy	Unravelling molecular mechanism of action of gallic acid isolated from fruit juice of Emblica officinalis for its anti-diabetic and anti-hyperlipidemia potential
35	Jha Abhishekkumar Brajeshkumar	Pharmacy	Pharmacological investigation of Oryza sativa antioxidants in neurodegeneration.
36	Chaube Udit Jaiprakash	Pharmacy	Design And Synthesis of Novel mTOR Inhibitors as Anticancer Agents
37	Borse Swapnil	Pharmacy	Multitarget Drug Discovery Approach for Diabetes Mellitus and Gastroenteropathy as its Comorbidity: Management with Metformin and Quercetin
38	Godiawala Savan Rashmikant	Management	Cross Border Capital Account Transactions: factors influencing policy reforms in india
39	Priyanka Bharatkumat Dave	Management	Antecedents and Consequences of Work Place Learning.
40	Tanvi Jayantilal Faldu	Management	Shared Identity, Work-Life Roles and Career Priority: A study of Dual Career Couples

Convocations

During the year two convocations were held and the details of awardees are as given under:

Faculty	Degrees Awarded in Convocations		
	Twenty Seventh 24-04-2019	Twenty Eighth 16-10-2019	Total
Faculty of Technology and Engineering			
Ph. D.	012	003	015
M. Tech.	004	203	207
M. Tech (by Research)	001	009	010
MCA	002	072	074
B. Tech.	005	936	941
Faculty of Management			
Ph. D. in Management	003	-	003
MBA	246	005	251
MBA (Family Business and Entrepreneurship)	055	-	055
Integrated BBA-MBA	033	-	033
BBA	014	051	065
Faculty of Pharmacy			
Ph. D.	006	005	011
M. Pharm.	-	058	058
B. Pharm.	-	099	099
Faculty of Science			
Ph. D.	008	003	011
M. Sc.	002	080	082
Faculty of Law			
B.A. LL.B. (Hons.) [Five Year Integrated Programme]	111	010	121
B. Com. LL.B. (Hons.) [Five Year Integrated Programme]	062	005	067
B.B.A. LL.B. (Hons.) [Five Year Integrated Programme]	003	-	003
Master of Laws	-	015	015
Faculty of Architecture & Planning			
B. Arch.	-	034	034
Faculty of Commerce			
B. Com. (Hons.)	-	056	056
Grand Total	567	1644	2211

**Institute
of
Technology**

Institute of Technology

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Institute of Technology

Outstanding Achievements and Important Activities

Three programmes of the Institute of Technology; Civil Engineering, Electrical Engineering, and Instrumentation and Control Engineering are also accredited by the National Board of Accreditation for a period of three years in March, 2020. All the programmes under the Institute of Technology are now accredited by NBA and are accepted in the countries bound by the Washington Accord.

The Institute is selected by the Gujarat Council of Science and Technology (GUJCOST) for the award of establishment of a Supercomputer facility for the students and academic researchers for conducting high-end in-house advanced computing studies and research work. The Supercomputer indigenously developed by C-DAC, Pune as known “PARAM Shavak,” high-performance computing and deep learning is set up in the Institute. This will enable innovative and groundbreaking technological approaches to high end computing on a table top platform.

The Institute of Technology has established a Centre of Excellence (CoE) in Data Science in collaboration with the State University of New York at Binghamton. Dr Harvey G Stenger, President SUNY, Binghamton and Shri K K Patel, Vice President Nirma University inaugurated the CoE. Taking its collaboration to the next level, the two universities have jointly set up the Nirma-SUNY Binghamton Centre of Excellence in Data Science with an aim to enable development of innovative applications, and research in the field of Data Science and AI. The centre will prove to be an excellent knowledge resource centre to build capacity, provide consultancy and customised training programmes in Data Science and AI for the industry, academia and other organisations.

The Centre for Robotics and Automation is established to provide an interdisciplinary environment and bring together the research groups involved in robotics, control engineering, embedded systems, industrial automation, computer coding, machine learning and other upcoming technologies. The faculty expertise in the domain includes more than a decade of participation and success in the event Robocon wherein each year the theme involved new and innovative tasks in robotics and automation. The presently available infrastructure includes a 6-axis Robotics Arm, TurtleBot with open source software, a 5-axis Industrial Manipulator, Hydraulic and Pneumatic Training kits, etc. The Centre aims to provide consultancy and innovative solutions to automation industries in the near future.

The 25th Foundation Day on October 3, 2019 was celebrated in the august presence of Dr Anamik Shah, Vice Chancellor, Gujarat Vidyapith. The illustrious 24 years have seen ITNU contributing to society by giving engineers who are ethical and research-oriented. Logo of Silver Jubilee Year celebration was also unveiled by the Chief Guest. 19 meritorious students were felicitated with Gold and Silver medals, 38 faculty members, 8 staff members and 124 students with other achievements at National and International levels were felicitated on this occasion. A group of 13 students from various departments were honoured for their outstanding extension and social activities at different NGOs. As a part of the Silver Jubilee Celebration of Institute of Technology, an expert lecture by Shree Rohinidasji Swami, Hare Krishna Movement, Bhadaj was organised on the topic ‘Life Management’ by Department of Mechanical Engineering on October 3, 2019.

International Conference – NUiCONE 2019

Nirma University International Conference on Engineering (NUiCONE), the flagship event of the Institute of Technology was held during November 21-22, 2019. Padmashri Shri A S Kiran Kumar, Vikram Sarabhai Professor at Indian Space Research Organisation (Former Chairman, ISRO) was the chief guest and Padmashri Shri Amitava Roy, Former Distinguished Scientist & Chief Executive of Nuclear Recycle Board, Bhabha Atomic Research Centre (Mumbai) was the guest of honour.

In this conference 177 Technical papers were received, out of which 77 papers were selected for presentation. During the conference, three common invited lectures, eight departmental expert lectures, and two panel discussions were conducted.

The Civil Engineering Department arranged a National Seminar on “Advances in Building Materials and Construction Practices” in collaboration with Nuvoco Vistas Corp Ltd under the auspices of NUICONE-2019 on November 22, 2019. Eminent speakers were invited from India as well as abroad. Industry professionals, academicians, practicing engineers and post graduate Civil Engineering students were invited to attend this seminar. Shri Pranav Desai, VP, Head - Construction Development and Innovation Centre & Product Development, Nuvoco Vistas Corp Ltd, was present during the inauguration of the ceremony.

PRAVEG 2019

Praveg 2019 – the Annual Techno-Management Fest was organised by the Mechanical Engineering Students’ Association (MESA) under the aegis of Mechanical Engineering Department, Institute of Technology on September 18-19, 2019. The event was inaugurated by Shri Acharya Devvrat, Hon Governorshri of Gujarat, and Commodore C Raghuram VSM, Commanding Officer, INS Valsura in the presence of Dr Karsanbhai Patel, President of Nirma University.

During the two-day event, various technical and nontechnical events were organised. Workshops on topics like Automobile, Robotics, IoT, CNC technology, Astronomy, Python, etc were conducted. On this occasion, the Indian Navy and National Security Guards set up an exhibition of their weapons and models to explain the technology and working of forces to the young engineers. The Indian Naval Band, one of the best band of Asia, showed their performance on both the days of the event and mesmerised the audience. Apart from the technical events and workshops, informal events were also held during Praveg’19. One of them was a poetry session by Ms Helly Shah and Mr Bikram Bumrah wherein both the poets presented their own poems and stories in a melodious way. Other events include Talent Hunt, and a motivational speech by Mr Raj Shamani, the youngest representative of India at United Nation.

MESA – Praveg in association with ADVAIYA – The Talk Show series, organised by BBA group of Institute of Management Nirma University invited Mr Gautam Gambhir, Member of Parliament and former cricketer for a Talk Show on September 19, 2019. RJ Ekta interviewed Mr Gambhir where the audience got to know many lesser known stories of his life. Mr Gambhir shared his life experiences as a cricketer and also shared his goal as a Member of Parliament.

Under SPIC MACAY (Society for the Promotion of Indian Classical Music and Culture Amongst Youth) a musical performance by Padmavibhushan Ms Teejanbai was organised on September 18, 2019.

A total of 1461 students from 104 institutions across the state participated in 26 different events.

Rankings

Various renowned agencies evaluated and ranked the Institute based on parameters like, resources, research, teaching-learning, placements and stakeholder perception. The prominent rankings are highlighted as under:

- Stood 4th in top 50 Private State Universities in the Outlook-ICARE India University Rankings 2019.
- Institute of Technology is placed at 10th in Overall Ranking in Times of India Ranking May, 2019, 8th in Research Capability and 2nd in West Zone.
- According to CSR - GHRDC Engineering Colleges Survey 2019 - Institute of Technology,

got Eighth Rank in Top Leading Engineering Colleges of Super Excellence; First Rank in Gujarat State; Ninth Rank in Faculty, Research, Consultancy, EDP & Other Programmes; and Eighth Rank in Placements, Social Responsibilities, Networking & Industry Interface.

Major Events Organised

Dr Claire Komives (Professor, Biomedical, Chemical & Materials Engineering, San José State, San José, CA, US) Fulbright – Nehru Scholar, conducted a workshop at the School of Engineering, Institute of Technology during October 7–11, 2019 for faculty members on the following topics:

1. Writing effective research proposals on October 7, 2019
2. Writing a journal paper for Engineering Education Research (EER) on October 8, 2019
3. Workshop on effective teaching on October 9-11, 2019

The following objectives were achieved from the workshop:

- To design and deliver an effective lecture to ensure student engagement and motivation
- To develop an ability to ask the right questions through learning-teaching process
- To create rubrics to provide transparent and constructive feedback
- To envisage the outcome of the project, its budget and timeline
- To execute an effective literature search and Interpretation

Department of Electrical Engineering organised a one day programme on "Electric Vehicle Awareness" by ARAI, Pune under Department of Heavy Industries (Government of India) on February 27, 2020. Dr K C Vora, Sr Dy Director & Head, ARAI Academy, Pune, was the Chief Guest of the function. Dr K C Vora and ARAI executives delivered sessions on the Electric Vehicles. Demonstrations of Electric Vehicles (02 two-wheelers, 02 three-wheelers and 01 electric car) were also conducted for the awareness.

Institute of Technology organised Nirma Robocup 2019 – a national level robotic contest for school students on October 19-20, 2019 at Nirma University campus. The theme of the contest was Govinda, wherein participating team were asked to prepare a robot that can travel through different zones namely Mathura, Gokul, Vrindavan and Barsana by overcoming various hurdles in the path and finally need to reach at the Barsana hill to touch the hanging butter pot. Total 17 teams of Gujarat, Maharashtra, Tamil Nadu, Karnataka and Delhi participated in the event. The event was inaugurated by Shri G T Pandya, Director, Directorate of Technical Education Gujarat State.

The 2nd All Gujarat Instrumentation and Control Engineer's Meet was organised by the International Society of Automation Students' Chapter, Institute of Technology on September 20, 2019. The purpose of this conclave was to bring together all the engineering institutes from Gujarat offering Instrumentation and Control Engineering on a common vibrant platform.

On the occasion of the BTech Orientation programme organised during July 20-26, 2019 at Institute of Technology, Dr J N Singh, Chief Secretary, Government of Gujarat was the chief guest for the inauguration of the academic session of BTech batch of 2019-23 on July 26, 2019. The afternoon session of the orientation programme was graced by Shri Saurabh Patel, Honourable Minister, Energy, Government of Gujarat. While addressing the students, Shri Saurabh Patel asked the engineering students to focus on their career building and to become responsible citizens of the country. To be successful, he motivated the students to control their temperament, manage time, create opportunities and not to expect immediate results.

The Institute organised MTech Orientation during July 16-19, 2019. Dr Narottam Sahoo, Advisor and Member Secretary, GUJCOST was invited as the Chief Guest of the orientation programme on July 19, 2019. Dr Sahoo shared his experience and motivated the students in his speech. The

programme had eminent speakers from various fields who shared their experience and expertise in technical and non-technical aspects related to research and life skills with the students. Apart from an overview of the institute and PG programmes, students attended sessions on relaxation techniques, cyber sensitisation etc. There were sessions by experts on writing a research paper, interdisciplinary research, SCOPUS- a research tool, research methodology, etc.

Academic Activities

In order to increase the involvement of students in the tutorial activities, a Tutorial Policy is framed, which provides a framework and the principles for an integrated tutorial provision across the subjects taught at the Institute and the guideline as to how it should operate in practice. It includes the planning of tutorials, different techniques, activities to be carried out as tutorial and implementing the tutorial.

Introduced a new Re-evaluation Policy for SEE/SPE examination of theory courses for the students studying in various courses under the Institute of Technology.

Research, Publications, MoUs & Development Activities

- 12 Faculty members were awarded PhD in 2019-20, taking the total count to 106 PhD holders in the Institute. Further, 80 faculty members are currently pursuing PhD.
- MoUs were signed with several industries, academic and research organisations for collaborative research and to provide diverse and sharing of best practices to students. Following are the MoUs:
 - MoU with Curtin University, Perth, Western Australia on July 11, 2019.
 - MoU with Universidad Publica de Navarra Nafarroako Unibersitate Publikao, Spain on August 08, 2019.
 - MoU with Robert Bosch Engineering and Business Solutions Private Limited (RBEI), Bangalore on January 30, 2020.
 - MoU with INS Valsura, the premier Electrical training establishment of the Indian Navy at Jamnagar, Gujarat on September 07, 2019.
 - MoU with Confederation of Indian Industry, Ahmedabad on July 24, 2019.
 - MoU with Secure Meters Ltd Udaipur on July 09, 2019.
 - MoU with Tata Motors Limited, Mumbai on April 29, 2019.

Awards and Honours

- Dr Paramasivan S Vellala was conferred with prestigious MHRD recognised “Bharat Vikas Award – 2019” by the Institute of Self Reliance, Bhubaneshwar, Odisha for his highly esteemed contribution over the years in the field of Economic Reformation at the National Seminar on ‘Vision – 3E – Education, Employment, Economy’. He also presented a research paper titled “Inclusive Growth Outcome in India: A Comparative Study of Major Indian States”, which is published in the book titled “The Magnificence of Humbles.”
- Dr Jayesh Ruparelia has been awarded for Best Engineering College Teacher in Gujarat-Indian Society for Technical Education (ISTE) at Charutar Vidya Mandal, Vallabh Vidyanagar on November 29, 2019.
- Dr Madhuri Bhavsar and Dr Zunnun Narmawala received an award for establishing Super Computing infrastructure from GUJCOST, Government of Gujarat.
- Prof P R Patel has received “Distinguished Geospatial Educator” award from CEPT Research and Development Foundation and Centre for Applied Geomatics at CEPT University on September 05, 2019.
- Prof Digesh Joshi received the Institute of Engineers India - Young Engineers Award 2019-20 in Civil Engineering Discipline. The award was presented during the Inaugural Session of the 35th National Convention of Civil Engineers held at Ahmedabad during September 01, 2019.

- Dr Priyanka Sharma was invited to Dubai, UAE for conducting Hands-on Training on CUDA and GPU Computation at Nobel Programme Training and Consultancy, UK on December 3-5, 2019.
- Dr Swati Jain from the Computer Science and Engineering department received full funding to visit SUNY, Binghamton University, New York, USA as a visiting fellow. She worked there for 5 weeks during June 03 to July 05, 2019. She is now involved in joint research and as a committee member in master's thesis at SUNY, Binghamton.
- Dr Ankit Thakkar was honored with "Quarterly Franklin Membership" by the Editorial Board of London Journals Press, UK for the paper entitled "A comprehensive survey on Travel Recommender Systems" published by Archives of Computational Methods in Engineering, Springer on November 15, 2019.
- Dr Priyanka Sharma was invited to MNX Logistics, Los Angeles, California, USA as AI Senior Consultant for one week duration from October 18 to 25, 2019.
- Dr Sudeep Tanwar visited University of Pitesti, Pitesti, Romania as a Visiting Professor during June 26-30, 2019.
- Dr Sudeep Tanwar was appointed as Technical Program Committee Chair in IEEE 4th International Conference on Internet of Things: Smart Innovation and Usages (IoT-SIU 2018), April 18-19, 2019 at Krishna Engineering College, Ghaziabad, Uttar Pradesh.
- Four legged Robot and a Chess Playing Robot prepared by team of 5 students each has cleared the stage II of Robofest Competition organised by GUJCOST, Gujarat. The team won an amount of Rs 2 lacs each for the preparation of final prototype to demonstrate at Stage III of the competition.
- Team Arrow of ITNU secured third position in 'Overall Performance Award' with cash prize of Rs 25,000/-and also bagged 3rd position in 'Best Design Report Award' at the SAE India Southern Section Aero Design Challenge 2020 in Micro Class category organised during Feb 28 to March 1, 2020 at Bannari Amman Institute of Technology, Tamil Nadu.
- Team CON-SOL-E 4.0 comprising UG students of ITNU became the National Champions and bagged a Gold Cup, a prize of 1,00,000/- Rupees and a paid trip to Japan. The team represented Institute of Technology in the 5th edition of Mitsubishi Electric Cup held at B M S College of Engineering, Bangalore during February 13-15, 2020. The National Level Automation competition for students is organised by Mitsubishi Electric India every year in the month of February. The team CON-SOL-E 4.0 was selected in the top 35 teams for the project demonstration out of 270 proposals received across the country. The team proposed an idea called TAB-INS-PACK (i.e. Tablet Inspection Packaging) in the competition
- Mr Aditya Dave, student of Electronics & Communication Department has been conferred with the prestigious Karmaveer Chakra Award which is instituted by the United Nations and the International Confederation of NGOs for his work in community development and entrepreneurship. He was also invited to Global Entrepreneurship Bootcamp to speak about entrepreneurial journey in front of 200+ delegates of 20 different countries along with people like Senior Director, Capgemini on October 12, 2019 at Delhi.
- Team Nirma Robocon won 1st Runner's up at DD Robocon 2019 National contest held at IIT Delhi on June 16, 2019. ITNU is 8 times winner of this championship.
- Team ARROW under SAE Nirma Collegiate Club has participated in Association for Unmanned Vehicle System International Student Unmanned Aerial System Competition 2019 at Maryland, USA during June 12-15, 2019 representing Institute of Technology, Nirma University and secured 35th rank globally among 75 international teams from USA, Turkey, Egypt, Canada, Australia etc.
- NCC Cadet Mayur Dhulia from Electrical Engineering department secured first position in INSAS Rifle firing competition at Army Attachment Camp, Jamnagar during July 9-23, 2019.
- Mr Preet Pandit (UG Sem VI EE) was felicitated with SAE India Student of the Year award by SAE India Foundation at the SAEINDIA Foundation Annual Awards Function on February 10, 2020.

Dignitaries visited:**International Dignitaries visited during the year 2019-20:**

Name of the Dignitary	Designation and Organisation	Purpose of visit	Date
Dr Roshan Kumar	Assistant Professor Department of Electronics and Information Technology, Henan University Kaifeng, Henan, China	Delivered expert talk to BTech Sem VI & MTech Sem II students on “Smart application of Signal Processing in Mechanical/ Civil Engineering”	March 11, 2020
Dr Stephen Brewster	ACM distinguished Speaker and Professor- University of Glasgow, UK	Delivered Lecture series on Multimodal Human Computer Interfaces	March 5-7, 2020.
Prof Ron White	Dean, College of Science & Engineering, James Cook University, Australia	To discuss potential collaboration opportunities	February 25, 2020
Mr Vignesh Vijayaraghavan	Head, International Recruitment, James Cook University, Australia		
Dr Harvey G Stenger	President, SUNY Binghamton University, New York	The Inauguration of Centre of Excellence in Data Science	January 27, 2020
Prof Madhusudhan Govindaraju	Professor, SUNY Binghamton University, New York		
Professor Campbell Booth	Head of Department, Electronic and Electrical Engineering, University of Strathclyde in Glasgow, Scotland, UK	Interacted with the faculty members of the department of Electrical Engineering and shared his expertise and also briefed about the University of Strathclyde	January 13, 2020
Dr Feng C Lai, Anadarko	Presidential Professor, Aerospace and Mechanical Engineering, University of Oklahoma, USA	Interaction with the faculty members of Department of Mechanical and Chemical Engineering and shared his expertise	December 27, 2019
Prof Ikou Towhata	Professor Emeritus, Civil Engineering, University of Tokyo; Chair of Professional Image Committee, International Society for Soil Mechanics and Geotechnical Engineering and Director, Tohata Architects & Engineers.	Delivered an expert talk on ‘Summarising Geotechnical Activities after the 2011 Tohoku Earthquake of Japan	December 23, 2019
Dr Ramesh K Agarwal	The William Palm Professor of Engineering, Mechanical Engineering & Materials Science at Washington University in St Louis, USA	Interactive session with the faculty members of Mechanical Engineering department and conducted a session on “Computational Fluid Dynamics Applications and Progress”	December 20, 2019

Dr Rajkumar Buyya	Redmond Barry Distinguished Professor and Director of the Cloud Computing and Distributed Systems (CLOUDS) Laboratory, University of Melbourne, Australia	Public lecture on “New frontier in Cloud and Edge/Fog Computing for Big Data and Internet-of-things Applications”	December 20, 2019
Prof Donald George Nieman	Provost SUNY Binghamton University, New York	To discuss further for establishment of Centre of Excellence in Data Science	December 02, 2020
Prof Krishnaswami Srihari	Dean of the Thomas J Watson School of Engineering and Applied Science, SUNY Binghamton University, New York		
Dr Rishi Gupta	Associate Professor, Department of Civil Engineering, University of Victoria, British Columbia, Canada	Lecture during NUiCONE-2019	November 22, 2019
Dr Abhijit Pandya	Professor, Computer Science, Florida Atlantic University, USA	Panel discussion during NUiCONE-2019	November 21, 2019
Dr Javed Hashemi	Professor, Mechanical Engineering Florida Atlantic University, USA	Panel discussion during NUiCONE-2019	November 21, 2019
Dr Keely Roth	Senior Remote Sensing Scientist & Science Lead for Horticulture on the Geospatial Sciences team, The Climate Corporation, USA	Expert talk on the topic Vegetation. Agriculture, Data fusion and Machine Learning	November 13, 2019
Prof Sang Won Yoon	Associate Professor of Systems Science and Industrial Engineering, SUNY Binghamton University, New York	Faculty Exchange activity under MoU for teaching various techniques for Mathematical Modelling & optimisation techniques to students of MTech (CSE), and their real-life application in live projects	November 11 – 15, 2019
Dr Javad Hashemi	Associate Dean for Research and Professor, Florida Atlantic University, USA	Visited department and interacted with faculty members Mechanical Engineering	November 11, 2019
Dr Claire Komives	Professor, Biomedical, Chemical & Materials Engineering, San José State, San José, CA, US	Conducted workshop for faculty members of Mechanical Engineering	November 07, 2019
Dr Peter Partell	Associate Dean of Academic Affairs and Administration, SUNY Binghamton University, New York	Delivered a talk on “Higher education options at Binghamton University” for students of Institute of Technology, and an expert talk on “Assurance of Student Learning” for HoIs and HoDs	October 14, 2019

Dr Claire Komives	Professor, Biomedical, Chemical & Materials Engineering, San José State, San José, CA, USA (Fulbright – Nehru Scholar)	Workshop on writing effective Research proposals, writing a journal paper for Engineering Education Research (EER) & Workshop on effective teaching	October 7 – 11, 2019
Dr Antonello Astarita	Department of Chemical, Materials and Industrial Production Engineering, University of Naples Federico II, UNINA, Italy	Delivered an expert lecture on the topic “Advancements in Additive Manufacturing and Friction Stir Welding Processes” for the faculty and students of Mechanical Engineering	October 11, 2019
Dr Mamoru Koketsu	Vice Director Gifu University, Japan	Expert lecture on the topic: Chemical Approach to Active Compound Derivatives	September 27, 2019
Dr Arun Somani	Associate Dean of Research, Iowa State University, USA	To discuss on collaborative activities jointly between NU and ISU under the MoU	September 20, 2019
Mr Yogesh Bhatt	Vice President, Ericsson AG, USA	Expert talk on “Rise of Industry 4.0” for final year BTech students and MTech Sem I students of Mechanical Engineering	August 02, 2019
Dr Parag Upadhyay	Principal Scientist ABB, USA	Delivered a lecture on “Magnetic materials and technologies” to STTP participants of Electrical Engineering department	July 03, 2019
Prof N C Nair	Associate Professor University of Auckland, New Zealand	Delivered a lecture on “Protection and Safety on Power Systems with Highly Renewable Distributed Energy Resources” for students of Electrical Engineering department	April 09, 2019
Mr Kwansoo Lee	Senior Managing Director, Yooshin Engineering Corporation, Seoul, Korea	Visited along with Mr Apoorva Vyas (Alumni of department) and interacted with senior faculty members.	April 03, 2019

Indian Dignitaries visited during the year 2019-20:

Name of the Dignitary	Organisation and designation	Purpose of visit	Date
Prof A K Chaturvedi	Director, IIT Roorkee	Chief Guest and Expert talk during Seminar on, ‘5G Wireless Technology’	February 14, 2020

Mr Darshan Shah	Sr Database Analyst from Cybage Software	Expert lecture for MCA IV semester students on DBA roles and responsibilities in IT Organisation	February 03, 2020
Dr Hemant Patil	Dhirubhai Ambani Institute of Information and Communication Technology, Gandhinagar	Expert lecture on Spoofing Attacks in Automatic Speaker Verification (ASV) : Analysis and Countermeasures for MTech Semester II students	February 07, 2020
Dr Rikin Thakkar	Vice President, Telecommunications and Spectrum Policy at Multicultural Media, Telecom and Internet Council (MMTC)	Expert Talk on 5G communication	January 06, 2020
Mr Dharmendra Sharma	Director-Technical, Gujarat Fiber Grid Network Limited	Expert Talk for Students during Orientation Programme	January 02, 2020
Sadhu Shri Vivekjivandas Ji	Editor, English Magazine, BAPS, Shahibaug	Expert Talk during Orientation Programme	January 01, 2020
Mr Jayant Joshi	HR-Head, Cypress Semiconductor, Bangalore	Expert Talk on Soft Skills Expected from the Interns/Fresh Graduates	December 14, 2019
Mr Pranav Desai	Vice President- R&D, Head - Construction Development & Innovation Centre, Nuvoco Vistas Corp Ltd Mumbai	Expert talk for National Seminar on “Advances in Building Materials and Construction Practices” under the auspices of NUICONE 2019	November 22, 2019
Mr Anand Padiya	Software Development Engineer	Expert lecture for MCA V semester students	November 21, 2019
Mr Kaushal Kachhiya	Delivery Manager, IC1onflux Technologies Pvt Ltd	Expert lecture for MCA III semester students	November 16, 2019
Ms Bhakti Pujara	Project Lead, IConflux Technologies Pvt Ltd	Expert lecture for MCA V semester students	November 16, 2019
Mr Kaushal Kachhiya	Delivery Manager, IC1onflux Technologies Pvt Ltd	Expert lecture for MCA I semester students	November 16, 2019
Mr Parth Acharya	Co-founder-"Trinarybits" (a service base technology startup)	Expert lecture for MCA I semester students	November 16, 2019
Mr Mohit Agrawal	Crust Data System, Ahmedabad	Expert lecture for BTech VII semester students	November 07, 2019
Mr Nilesh Ranpara	ASIC Division, E-Infochip, Ahmedabad	Expert Talk during Silver Jubilee Workshop on VLSI Design and Testing	November 07, 2019
Dr Sudeb Dasgupta	Professor, IIT Roorkee	Expert talk during Silver Jubilee Workshop on VLSI Design and Testing	November 04, 2019

Dr S Vengadesan	Professor, Department of Applied Mechanics, IIT Madras	Expert talk to MTech Sem I (Thermal Engineering) students on “Wall Turbulent Flows”	October 21, 2019
Shri Bhupendrasinh Chudasama	Minister of Education, Revenue, Law and Parliamentary Affairs Department, Government of Gujarat	To Inaugurate NIRMAN’19 – A National Level Symposium organised by OrCES	October 14, 2019
Mr Hemendra Khatana	Assistant Commandant, National Disaster Response Force (NDRF), Battalion No 6, Gandhinagar	Mock Drill and Exhibition on “Disaster Management” by NDRF team. The event was organized by OrCES and Department of Civil Engineering, as a part of NIRMAN’19	October 14, 2019
Mr Dhruv Sharma	Education Coach	Expert lecture for MCA V semester students	October 10, 2019
Dr Manjunath V Joshi	Dhirubhai Ambani Institute of Information and Communication Technology, Gandhinagar	Fractional Course Lecture on Image Processing and Computer Vision with Machine Learning for fractional course	October 05 & 08, 2019
Dr Rajesh Thakkar	Principal, Government Engineering College, Rajkot	Expert talk for students of Electronics and Communication Engineering Department	October 04, 2019
Mr Kshatriya Rajesh Kumar	Proprietor-Sadguru Ferrochem Company	Vihangam Yoga	October 03, 2019
Mr Ujjwal Nagar	Chief Mentor and Director IMS, Gujarat	Talk on Entrepreneurship	September 30, 2019
Mr Piyushbhai Shah	Chairman, Renesys	Delivered a lecture on “Electric Vehicle” to undergraduate students	August 28, 2019
Mr Premal Patwa	Vice President, Prasad Group of Companies	Delivered a lecture on “New trends on power devices packaging” to undergraduate students	August 09, 2019
Prof C K Chanda	Professor IEST, Shibpur	Delivered a talk on “Hands on Power System Simulation” to STTP participants	July 05, 2019
Prof D P Agrawal	Former Chairman-UPSC, Delhi	Lectures on ‘Conduct of Experiments’ in STTP	July 02-03, 2019
Prof Shyamal Kumar Das Mangal	Centre for Educational Technology, IIT Kharagpur	Lectures on ‘Outcome-based Education and its Implementation, Good Teaching and its Attributes’ in STTP	June 26-27, 2019

Prof Arun Patil	Vice-Chancellor and President of Amity University, Jaipur	Lectures on 'Rubric and Assurance of Learning' in STTP	June 24-25, 2019
Dr Hardik Parekh	Gujarat National Law University	Lecture on Cyber laws an act	April 20, 2019

I. Curricular Aspects:

New programmes being offered:

- Introduction of Integrated BTech MBA Programme
- Executive Diploma Programme in Data Science
- MTech in Data Science
- BTech in Manufacturing Technology for personnel of TATA Motors

New courses being offered:

- Introduction of new MTech Specialisation - Data Science. Also introduction of Teaching and Examination Scheme of Sem I and II with Syllabi of Sem I.
- Introduction of Teaching and Syllabi of Sem I and II of Executive BTech in Manufacturing Technology.
- Introduction of Syllabi of Sem II and Teaching and examination scheme of Sem III and Sem IV of all MTech Programmes.
- Introduction of Teaching and Examination Scheme of BTech Sem III and IV of all BTech Programmes and Syllabi of BTech SemV and VI is approved by FoTE and is under consideration by Academic Council.
- Introduction of Syllabi of MCA Semester III and IV for all the courses are approved by FoTE and is under consideration by Academic Council.

New Interdisciplinary courses:

- Introduction of Interdisciplinary courses in the form of Open Electives (Technical Pool, Mixed Pool, and Humanities electives) such as Energy Management and Audit, MATLAB for Engineers, Scientific Programming, Object oriented programming, Introduction to Research Methodology, Introduction to Econometrics, Organisational Behaviour, Disaster Management, Basics of Quality Management, Personality Development, Introduction to Literature, Media, Culture and Society, Technical Writing, Ethics and Values, Gender Communication, Modern Indian History, Chemical Analytical Techniques, Air Pollution Control Techniques, Fundamentals of Image and Video Processing, Wireless Sensor Network, Data Structures, Programmable Logic Controller, Remote Sensing, GIS and GPS, Electrical Machines and Applications, Introduction to Robotics,

Number of courses where major revision is made

- The Teaching and Examination Scheme and syllabi of semester III and IV of all BTech programmes and semester I and II of all MTech programmes is revised and made effective. Hence, there is a major revision in most of the courses of BTech Sem III and IV and MTech Sem I and II.

Any other initiative/innovation in curricular design

- Syllabus of major National and International Institutes were referred before designing the new curriculum.

- Different guidelines provided by UGC, AICTE etc were considered before designing the new curriculum.
- Proposed Executive Diploma programme is to be conducted on weekends for the industry professional.
- Stakeholders' meetings were conducted to take opinion and suggestions on the curriculum and as per their feedback, the curriculum were revised.
- 10% self-study component is included in each course.
- Video lecture related to respective course are shown to students in class. Eminent speakers were invited for expert talks on different topics.
- The Institute is in process of revising curriculum for UG and PG courses in line with AICTE model curriculum and curriculum of other reputed Institutions. In this regard, course structure of BTech programme is revised along with curriculum for the courses offered in 1st and 2nd years. Total numbers of credits are reduced to 152 instead of existing 186 credits. Revised course structure and curriculum is already implemented in 1st year from AY 2018-19 and in 2nd year from AY 2019-20. From next semester onwards, revised curriculum, which is approved by BoS, shall be implemented for 3rd year. Similarly, the institute has also revised course structure and curriculum of PG courses. in line with AICTE model curriculum and curriculum of other reputed Institutions. Revised course structure and curriculum is already implemented in 1st year from AY 2019-20 and in 2nd year from AY 2020-21.
- More number of elective courses, rigorous minor project at PG level.

II. Teaching-Learning and Evaluation:

Faculty Completed PhD : 12

Faculty Pursuing PhD : 80

Innovation in Teaching – Learning & evaluation

In order to incorporate innovations in Teaching-Learning, following innovative practices are carried out by the faculty members:

- Students are motivated to strengthen their coding skills using several exercises and inspired to incorporate plagiarism ethics.
- Use of NPTEL video lectures by Faculty members
- Faculty members are undertaking NPTEL courses
- Preparation of Blog and Course web-page for each course
- Implementation of Outcome Based Education
- Preparation of course policy and tutorial outline for different courses
- Preparation of question bank for all the courses
- Due to COVID-19 pandemic, Faculty members delivered online lecture sessions to the students via Zoom platform to complete the syllabus of the even semester 2019-20.

Activities to sustain healthy practices

- NPTEL study center was established in the institute and many students, faculty and staff pursued NPTEL courses and qualified at the national level.
- All the faculty members actively use video projectors to demonstrate important concepts during their lectures which include NPTEL/MOOC videos, demonstration, animation or simulation of some conceptual model.
- Courses on Yoga, critical thinking, Ethics and Values are offered to BTech students.
- Department encourages students to participate in various activities like NCC and NSS for their holistic development.
- Regular attendance monitoring and reporting.

- Continuous Evaluation in all subjects.
- Regular industrial visits and expert lectures at UG and PG level.
- Regular mentoring sessions for students.
- One week camp at Motipura and Miroli villages under extension activity.

Interdisciplinary Student Projects:

Title of the Project	Department	Names of the Guides	Student
Design of Audio Cloning System using GAN	Electronics and Communication Engineering & Computer Science and Engineering	Prof Sapan Mankad Prof Bhavin Kakani	Shrey Bhatnagar Saumya Borwanka
To convert carbonaceous waste into useful product using the pyrolysis process	Chemical Engg Dept & Mechanical Engg Dept	Dr Amita Chaudhary Prof Darshit Upadhyay	Jay Bharatbhai Lakhani Chaudhary Prins Jasubhai Dalsaniya Priyankbhai Ratilal
Bio Bricks using Sludge	Civil Engg Dept & Chemical Engg Dept	Prof S P Thakkar Prof Anant Patel	C Divya Ayush Hiteshkumar Patel Dhananjay Rajnikantbhai Boda
Smart Scarecrow (Ultrasonic Repeller)	Civil Engg Dept & Computer Science & Engg Dept	Prof Arth Patel Prof Chandan Trivedi	Prithvi Sharan Priti Murarka Soneji Nimit
IoT Enabled Home and Commercial Automation System (IDEA Lab Project)	Electrical Engg Dept and Computer Science & Engg Dept	Prof P N Kapil	Anmol Tripathi Akul Agrawal Nisarg Shah
Design of Solar Photo reactor for waste water treatment BTech Project in Semester VIII	Mechanical Engg Dept & Chemical Engg Department	Prof A A Bhatt Prof Leena Bora	Prayag Jani Dwij Bharadwaj Kratika Jain

Exam Reforms implemented:

- Reevaluation policy for SEE/SPE theory is introduced. Students can now apply for reevaluation within 5 working days after showing of answer books.
- Make up examination policy for Continuous Evaluation (CE) component is introduced. If a student fails to appear in any examination of Continuous and LPW/PW components of any course due to participation in any event representing the Institute/university or due to extraordinary reasons/circumstances such as self-hospitalisation, complete physical immobility, or death of immediate family members or any other extraordinary reason may be permitted to take Makeup Examination subject to submission of an application along with relevant valid documents.
- Rubrics based evaluation carried out in Seminar, Mini project -I, Mini project -II, Minor project courses.
- Transparent evaluation system (assessed answer sheet of all the examination are shown to the students)
- Development of methodology for online assessment for various courses.

Number of faculty development programmes availed by faculty	: 125
Number of faculty development programmes organised by the Institute (Categories: Refresher/STTP, Induction, computer application, soft skills, pedagogy, quality)	: 83
Invited/endowment lectures	: 193

Non-Teaching Staff Development

1. Sixteen staff members attended a Three days' workshop from December 19-21, 2019 on "Computer training programme", which was organized by Computer Science and Engineering department. This workshop was intended to provide hands on sessions on computing resources, troubleshooting and other necessary equipment/software usage in Nirma University campus.
2. Civil Engineering Department conducted a one week training programme for Laboratory Supervisors & Laboratory Assistants during 27th May, 2019 to 1st June, 2019. Participants were assessed based on their performance during training programme as well as submission of assignments.
3. Training programme on "Hands on Training on Electronics and Automation Laboratories" was initiated and conducted by IC Department for Laboratory Assistant during May 27-31, 2019 for EC and IC laboratory staff members.

III. Research Consultancy and Extension

Research Projects

Major Research Project funded by External Agencies during:

Financial Year	Completed		Ongoing		Sanctioned	
	Number	Amount (Rs. In lacs)	Number	Amount (Rs. in lacs)	Number	Amount (Rs. in lacs)
2019-20	3	83.40	14	308.21	2	41.74
2018-19	5	104.48	12	249.15	2	61.20

Minor Research Project funded by External Agencies during:

Financial Year	Completed		Ongoing		Sanctioned	
	Number	Amount (In Rs. In lacs)	Number	Amount (In Rs. In lacs)	Number	Amount (In Rs. In lacs)
2019-20	3	10.64	1	0.78	-	-
2018-19	1	5.30	1	7.50	3	3.51

Minor Research Project funded by Nirma University during:

Financial Year	Completed		Ongoing		Sanctioned	
	Number	Amount (Rs. In lacs)	Number	Amount (Rs. in lacs)	Number	Amount (Rs. in lacs)
2019-20	30	26.17	3	2.95	15	13.61
2018-19	15	13.78	0	0	4	4.00

Details of the Research Project:**Completed Major Research Projects**

Sr. No.	Title of the Project	Project Investigator/s	Funding Agency	Grant (in ₹)
1.	Using Deep Learning to Understand and Predict the Dynamics of Tokamak Discharges	Prof. Priyanka Sharma, Prof. Swati Jain	Board of Research in Nuclear Sciences (BRNS)	25,14,400/-
2.	Design Against Radiation Effects ASIC Standard Cell Library for VLSI Circuits	Prof. Niranjan Devashrayee, Prof. Nagendra Gajjar	Defense Research and Development Organisation (DRDO)	37,72,000/-
3.	Trajectory Planning for Robotic Arm for Automatic Damage Detection and Recognition of First Wall Tile Images in Tokomak Using Image Processing and Machine Learning	Prof. Swati Jain, Prof. Priyanka Sharma	Board of Research in Nuclear Sciences (BRNS)	20,53,200/-
Total Grant				83,39,600/-

Ongoing Major Research Projects

Sr. No.	Title of the Project	Project Investigator/s	Funding Agency	Grant (in ₹)
1.	Development of Low-Cost Methodology for Surveying and Mapping with Indian Regional Navigation Satellite System (IRNSS-NAVIC)	Prof. Parul Patel, Prof. Hemang Dalwadi	Indian Space Research Organisation (ISRO)	17,05,000/-
2.	Identification of Material and Distress for Road Network of Ahmedabad City Using L and S Band Airborne Sar	Prof. Hemang Dalwadi, Prof. Parul Patel	Indian Space Research Organisation	19,56,000/-
3.	Identification of Perched Water Table Areas in Irrigated Tracks Using Airborne Sar Data (NISAR)	Prof. Parul Patel	Indian Space Research Organisation (ISRO)	20,67,000/-
4.	Identification of Existing Road Material, Condition and Potential Parking Area of Ahmedabad City Using AVIRIS Data and Updation Plan of Undeveloped Road	Prof. Parul Patel, Prof. Tanish Zaveri	Indian Space Research Organisation (ISRO)	17,00,000/-
5.	Calibration and Validation of RISAT-1 SAR Sensor	Prof. Parul Patel	Indian Space Research Organisation (ISRO)	37,00,000/-

6.	Spectral Discrimination and Separability Analysis of Crops and Weeds Using Deep Learning Techniques	Prof. Tarjni Vyas	Indian Space Research Organisation (ISRO)	17,40,000/-
7.	Mining Crop Cover, Crop Type and Crop Stages from L & S Band SAR	Prof. Madhuri Bhavsar, Prof. Vivek Kumar Sahdeo	Indian Space Research Organisation (ISRO)	14,28,000/-
8.	Development of Comprehensive Technique for Soil Moisture Estimation Using L&S Airborne Polarimetric Sar Data	Prof. Sanjay Garg, Prof. Priyank Thakkar	Indian Space Research Organisation (ISRO)	21,80,000/-
9.	Optimizing Parallelization of Legacy Code on Appropriate HPC Platform	Prof. Madhuri Bhavsar, Prof. Niraj Kumar Shah	Board of Research in Nuclear Sciences (BRNS)	18,02,700/-
10.	Proactive Solutions for Achieving Trust in Cloud Computing Using Machine Learning Approach	Prof. Madhuri Bhavsar, Prof. Prasad Vivek Kumar Sahdeo	Department of Science & Technology (DST)	23,94,500/-
11.	Algorithm for Water Pollutant Identification Due to Sewage and Industry Disposals for South Karnataka Coast, Mangalore Region	Prof. Tanish Zaveri, Prof. Pooja Shah	Indian Space Research Organisation (ISRO)	17,00,000/-
12.	Study and Development of Domain Adaptive Classification Algorithms for Advanced Earth Observation and Annotation System	Prof. Tanish Zaveri, Prof. Priyank Thakkar	Indian Space Research Organisation (ISRO)	17,00,000/-
13.	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	Prof. Chetna Chauhan, Prof. Manisha Shah, Prof. Nasreen Munshi. This project is of interdisciplinary nature and combined with Institute of Science, Nirma University and Veer Narmad South Gujarat University	Gujarat State Biotechnology Mission (GSBTM)	48,96,600/-
14.	SAR Polarimetry for Detecting Ocean Surface Targets	Prof. Alka Mahajan, Prof. Madhuri Bhavsar	Indian Space Research Organisation (ISRO)	18,52,000/-
Total Grant				3,08,21,800/-

Sanctioned Major Research Projects

Sr. No.	Title of the Project	Project Investigator/s	Funding Agency	Grant (in ₹)
	Development of Advanced Algorithms for Land Use Land Cover Classification Using Deep Learning Techniques	Prof. Sanjay Garg, Prof. Swati Jain	Indian Space Research Organisation (ISRO)	21,91,600/-
	Design and Development of a Scalable Framework for Geospatial/Geoscience Data Ingestion, Ad-Hoc Queries, and Analysis on Big Data Environment	Prof. Sanjay Garg, Prof. Jayprakash Verma	Indian Space Research Organisation (ISRO)	19,82,000/-
Total Grant				41,73,600/-

Minor Research Projects

Completed Minor Research Projects

Sr. No.	Title of the Project	Project Investigator/s	Funding Agency	Grant (in ₹)
1.	Development of Split AC Test Rig Working on Inverter Technology and Charged with Environment Friendly Refrigerant R-32 as a Laboratory Equipment for Engineering Students	Prof. Balkrushna Shah	American Society of Heating Refrigerating and Air Conditioning Engineers	2,26,800/-
2.	Synthesis and Characterization of Magnetically Hard/Soft - SRM/NI Ferrite Nano Composites	Prof. Chetna Chauhan, Prof. Tanuj Gupta	UGC-DAE	87,400/-
3.	Reduction of E-Factor in Dyes and Pigment Industries (Environmental Pollution Control)	Prof. Parin Shah	Green Environment Services Co-Op. Soc. Ltd. CETP, Vatva	7,50,000/-
4.	Solar Photocatalysis for Wastewater Treatment	Prof. Leena Bora, Prof. Nikita Chokshi	Nirma University	1,00,000/-
5.	Catalytic Ozonation Process for Wastewater Treatment	Prof. Nikita Chokshi, Prof. Leena Bora	Nirma University	1,00,000/-
6.	Performance Enhancement of Dye Sensitized Solar Cell	Prof. Shibu N. Pillai	Nirma University	1,00,000/-
7.	Development of Solar Energy Based Desalination Still	Prof. Hemang Dalwadi, Prof. Amit Dubey	Nirma University	1,00,000/-
8.	Experimental Investigation on Concrete Filled Double Skinned Tube (CFDST) Composite Column Under Monotonic Axial Loading	Prof. Tejas Joshi, Prof. Arth Patel	Nirma University	1,00,000/-
9.	Feasibility Study of Geopolymer Grout Material for Geotechnical Application	Prof. Hasan Rangwala, Prof. Hiral Thakar	Nirma University	1,00,000/-
10.	Enhancement of Fire Resistance Capacity of Medium and High Strength Concrete	Prof. Sonal Thakkar	Nirma University	1,00,000/-

11.	Torsional Strengthening of Precast Connections Using Stainless Steel Wire Mesh	Prof. Sunil Raiyani, Prof. Digesh Joshi	Nirma University	1,00,000/-
12.	Development of High-Performance Quaternary Concrete: A Key Solution to Structures Built in Aggressive Climatic Environment	Prof. Vineet Kothari	Nirma University	1,00,000/-
13.	Design and Development of Sustainable Pavement Quality Concrete	Prof. Kamplimath Hemanth K G Mallikarjuna Swamy, Prof. Vineet Kothari	Nirma University	1,00,000/-
14.	Determination of Moment Curvature Relation for Reinforced Concrete Beams and Columns	Prof. Jahanvi Suthar, Prof. Utsav Koshti	Nirma University	1,00,000/-
15.	Sweep Frequency Response Analysis for Detecting Mechanical Anomalies in Induction Machine	Prof. Amroliya Hormaz Z., Prof. Samyak Shah	Nirma University	57,000/-
16.	Designing of Protective Scheme for Ring Main Distribution System	Prof. Shanker Godwal, Prof. Shivam Shrivastava	Nirma University	88,000/-
17.	Model Predictive Control of Power Electronics Converter	Prof. Swapnil Jani, Prof. Jafarullakhan Pathan	Nirma University	49,000/-
18.	Fabrication of Z-Source Inverter	Prof. Kapil N. Pattath, Prof. Rajagopal Abirami	Nirma University	66,200/-
19.	Implementation of STATCOM on Fabricated 1-Phase Transmission Line	Prof. Sarika Kanojia, Prof. Chintan Patel	Nirma University	83,000/-
20.	Design Analysis and Implementation of DC/DC Converter and Two Level VSC for Renewable Energy System	Prof. Chankya Bhatt, Prof. Karri V Satyanarayana	Nirma University	70,000/-
21.	An Energy Efficient Indoor Security System for Surveillance	Prof. Dipesh Panchal	Nirma University	55,000/-
22.	Agriculture Crop Disease Detection System Using Machine Learning	Prof. Ruchi Gajjar	Nirma University	100000
23.	Development and Testing of Fractional Order Control Algorithms for Self- Balance Robot	Prof. Sandip Mehta	Nirma University	1,00,000/-
24.	Application of Imaging Techniques in Concrete Damage Characterization	Prof. Harsh Kapadia	Nirma University	1,00,000/-
25.	Performance Evaluation of Rectangular and Circular Clarifiers for Wastewater Treatment Plant	Prof. Nital Patel	Nirma University	67,000/-
26.	Rain Sensing Automatic Retractable Laundry Shade	Prof. Saurin Parikh	Nirma University	1,00,000/-
27.	Experimental Investigations on Effects of Sediment Erosion on Pump as Turbine	Prof. Roshankumar Tandel, Prof. Sanjay Jain	Nirma University	1,00,000/-
28.	Enhancement of A Downdraft Gasifier Performance with Lignite Feedstock	Prof. Darshit Upadhyay	Nirma University	1,00,000/-

29.	Design and Development of Multi Branch Heat Pipe and its Charging Set-Up	Prof. Anand Bhatt, Prof. Sanjay Jain	Nirma University	1,00,000/-
30.	Formability Study of Aluminum Alloy in Hole Flanging Operation by Incremental Sheet Metal Forming	Prof. Rudreshkumar Makwana	Nirma University	51,000/-
31.	Experimental Investigation on Microwave Based Metal Casting	Prof. Shruti Bhatt	Nirma University	80,000/-
32.	To Develop an Enhanced Power Control and Storm Security Device for A Scaled Down Model of Savonius Wind Rotor	Prof. Ath Singhal	Nirma University	1,00,000/-
33.	Digital India: Smart Parking System	Prof. Vaishali Dhare	Nirma University	51,000/-
Total Grant				36,81,400/-

Ongoing Minor Research Projects

Sr. No.	Title of the Project	Project Investigator/s	Funding Agency	Grant (in ₹)
1.	Design & Fabrication of Permanent Magnet Motor for Electric Vehicle	Prof. Amit Patel, Prof. Tejas Panchal	Duke Plasto Technique Pvt. Ltd.	77,900/-
2.	Socio-Economic Status of Private Security Guard in Residential and Non-Residential Premises: A Case Study of Ahmedabad City of The State of Gujarat	Prof. Samir Mahajan	Nirma University	94,500/-
3.	Sedimentation Study of Megnetorheological Fluids (MRFS)	Prof. Hiren Prajapati	Nirma University	1,00,000/-
4.	Design, fabrication and investigations of an improved biomass Cook stove for rural development	Prof. Darshit Upadhyay, Prof. Shebaz Memon	Nirma University	1,00,000/-
Total Grant				3,72,400/-

Sanctioned Minor Research Projects

Sr. No.	Title of the Project	Project Investigator/s	Funding Agency	Grant (in ₹)
1.	Experimental Free Space Optical Communication Link	Prof. Hardik Joshi	Nirma University	92,500/-
2.	Study of Microcapsules for Self-Healing Concrete	Prof. Sonal Thakkar	Nirma University	1,00,000/-
3.	Feasibility Studies for the use of Recycled Concrete Aggregates and Manufactured Sand in Highway Concrete Pavements	Prof. Hemanth Kamplimath, Prof. Vineet Kothari	Nirma University	1,00,000/-
4.	Waste Water Treatment Using Membrane Bio-Reactor (MBR)	Prof. Hasan Rangawala, Prof. Karishma Hingnekar	Nirma University	1,00,000/-
5.	Number Plate and Seat Belt Detection in Car Surveillance Images Using Deep Learning	Prof. Rupal Kapdi, Prof. Pimal Khanpura	Nirma University	53,000/-

6.	Automatic Helmet Detection and Gate Opening for Nirma University	Prof. Vishal Parikh, Prof. Malaram Kumhar	Nirma University	49,500/-
7.	Development of eco- friendly green indicator for volumetric titration methods	Prof. Ankur Dwivedi, Prof. Amita Chaudhary	Nirma University	1,00,000/-
8.	Development of low-cost method for breaking kinetically stable emulsions	Prof. Amita Chaudhary, Prof. Ankur Dwivedi	Nirma University	1,00,000/-
9.	IoT based Pest Control System	Prof. Smita Agrawal, Prof Preeti Kathiria	Nirma University	99,500/-
10.	Predictive model for depression level detection in youngsters	Prof Jigna Patel, Prof Jitali Patel	Nirma University	52,000/-
11.	Automatic Student Attendance System Using Face Recognition	Prof. Bhavin Kakani, Prof. Rutul Patel	Nirma University	59,000/-
12.	Machine Learning Approach for Source Separation in Hearing AIDS	Prof. Manish Patel	Nirma University	1,00,000/-
13.	Automated Marksheet Generation Through Handwritten Character Recognition	Prof. Rutul Patel, Prof. Bhavin Kakani	Nirma University	57,000/-
14.	Design of walking mechanism for a multi-legged robot	Prof. Jatin Dave Prof. Akash Meckwan	Nirma University	1,00,000/-
15.	Tool wearing monitoring using computer vision techniques	Prof. Prashant Bagga, Prof. Mayur Makhseena	Nirma University	1,98,000/-
Total Grant				13,60,500/-

Number of Teachers allowed participating in National/International Conference based on the acceptance of Research Paper

Financial Year	National Conference		International Conference	
	Number of Teachers	Amount incurred (Rs.in lacs)	Number	Amount incurred (Rs.in lacs)
2019-20	9	0.41	92	11.14
2018-19	7	0.49	44	6.97

Publication by Institute – International / National Conference proceedings, Institute journals, dissertation abstracts, PhD Thesis, etc.

Research Publications in financial year:

Financial Year	National Journal			International Journal		
	Number of paper published	Number of paper considered for calculation of average impact factor	Average impact factor	Number of paper published	Number of paper considered for calculation of average impact factor	Average impact factor
2019-20	1	1	0.27	129	95	2.22
2018-19	9	3	0.21	92	58	2.68

Summary

Research Publications by Faculty

International Journals	: 129
National Journals – Referred Papers	: 1
International Conference	: 107
National Conference	: 7
Books	: 6
Chapter in Books	: 33
University Journals	: 1

Research Awards:

Sr No	Name of Faculty Member	Recognition/ Honor/ Award	Reason	Name of Organisation (from which it was received)
1	Dr Sudeep Tanwar	Visiting Professor	To carry out scientific visit	Jan Wyzykowski University in Polkowice, Poland
2	Dr Sudeep Tanwar	Visiting Professor	To carry out scientific visit	University of Pitesti in Pitesti, Romania
3	Dr Sudeep Tanwar	Technical Programme Committee Chair in IEEE 4th International Conference on Internet of Things: Smart Innovation and Usages (IoT-SIU 2018), 18-19 April, 2019	To ensure a well-balanced, high-quality conference programme. All issues related to paper submission, review and selection and the establishment of the final conference proceedings	Krishna Engineering College, Ghaziabad, Uttar Pradesh, IEEE Region 10
4	Dr S J Josi	Best MTech Thesis in Mechanical Engg (Design Engg) - 2020	Guided the student Mr Bhargav Patel	ISTE-GSFC
5	Prof Ronak Kotadia	Best Paper Presentation Award	Paper titled “Rationalization of LRFD for Safe Bearing Capacity of Shallow Footings to Incorporate the Type of Shear Failure” during Geotechnical Conference - GEOINDUS 2019 on December 20, 2019	SVNIT Surat and IGS Surat Chapter
6	Prof H M Rangwala	Chaired a track of poster presentation at the Indian Geotechnical Conference - GEOINDUS 2019	Evaluated poster presentations	SVNIT Surat and IGS Surat Chapter
7	Dr Ankit Thakkar	Quarterly Franklin Membership	Paper Titled “A Comprehensive Survey on Travel	Editorial Board of London Journals Press,

			Recommendation System". The paper is published by Archives of Computational Methods in Engineering, Springer	UK
8	Dr Milind Joshipura	Best Paper Award	Paper Titled Separation of Ethanol Water System using Extractive Distillation Comparisons of Three Entrainers" at International conference ADCHE 2020	UPES Dehradun
9	Prof Viraj Pareksh	International Partial Financial Assistance	Travel grant of Rs. 20,000 for attending and presenting two paper at International Conference CIGOS 2019, Hanoi Vietnam	CCSTDS, Chennai
10	Prof Rupal A Kapdi	First Rank in Survival Task and received 800\$ Monetary award.	Participated in the International Challenge BraTS (Multimodal Brain Tumor Segmentation Challenge - 2019) held in collaboration with MICCAI 2019. Out of total 200 team she was the only Indian amongst the list of winner and stood first	Sponsored by Intel AI
11	Prof Darshit Upadhyay	Invited as Key note speaker	2 nd International Summit on Renewable and Sustainable Energies on July 29-30, 2019	Lexis Conferences Chicago, USA
12	Prof Hemanth Kamplimath	Silver Medal and 3 rd rank	For successfully completion of NPTEL course on Hydration Porosity and Strength of Cementations Materials.	NPTEL
13	Dr U V Dave	Chaired Technical Session	On 35 th National Convention of Civil Engineers (NCCC-2019) and National Conference on "Restoration and Maintenance of Structures and Water Bodies for Sustainability" during September 01-02, 2019.	The Institution of Engineers (India), Gujarat State Centre held at Bhaikaka Bhawan, Ahmedabad

Citation index of faculty members and impact factor

Sr No	Name of the Faculty Member	H-Index	Citations
1.	Dr Dhaval Pujara	9	246
2.	Dr D K Kothari	4	63
3.	Dr N M Devasharyee	9	288
4.	Dr Y N Trivedi	6	78
5.	Dr N P Gajjar	4	36
6.	Dr Usha Mehta	8	216
7.	Dr T H Zaveri	10	306
8.	Dr M A Upadhyay	3	22
9.	Dr Amisha Naik	4	35
10.	Dr Sachin Gajjar	11	339
11.	Dr Mehul R Naik	2	13
12.	Dr Mangal Singh	4	44
13.	Dr Piyush Bhatasana	2	10
14.	Dr Vaishali Dhare	4	45
15.	Dr Aakash Mecwan	3	3
16.	Dr Vijay Savani	5	60
17.	Dr Dhaval Shah	4	59
18.	Prof Rachna Sharma	1	3
19.	Dr B D Fataniya	3	18
20.	Prof Dipesh Panchal	0	0
21.	Dr Ruchi Gajjar	3	46
22.	Prof Hardik Joshi	0	0
23.	Prof Twinkle K Bhavsar	0	0
24.	Prof Jayesh Patel	1	1
25.	Prof Bhavin Kakani	3	34
26.	Prof Rutul Patel	0	0
27.	Dr Manish I Patel	3	33
28.	Prof Tanuj Gupta	0	0
29.	Dr Ankur Pandya	11	798
30.	Dr Chetna Chauhan	14	711
31.	Dr Madhuri Bhavsar	06	195
32.	Dr Sanjay Garg	11	324
33.	Dr Priyanka Sharma	04	68
34.	Dr K P Agrawal	03	42
35.	Dr Gaurang Raval	05	55
36.	Dr Sharda Valiveti	05	76
37.	Dr Vijay Ukani	06	161
38.	Dr Ankit Thakkar	06	276
39.	Dr Priyank Thakkar	05	700
40.	Dr Zunnun Narmawala	07	112
41.	Dr Sudeep Tanwar	18	1220
42.	Dr Swati Jain	04	29

43.	Dr Jaiprakash Verma	15	150
44.	Prof Tejal Upadhyay	01	06
45.	Dr Saurin Parikh	04	52
46.	Prof Sonia Mittal	02	04
47.	Prof Deepika Shukla	03	14
48.	Prof Smita Agrawal	04	58
49.	Prof Rasendu Mishra	01	12
50.	Prof Monika Shah	01	10
51.	Prof Rupal A Kapdi	04	47
52.	Prof Priti Kathiria	02	16
53.	Prof Pooja P Shah	03	37
54.	Prof Vishal U Parikh	03	27
55.	Prof Parita Oza	02	08
56.	Prof Malaram K Kumhar	04	24
57.	Prof Jigna A Patel	02	35
58.	Dr Rajan Datt	01	03
59.	Prof Devendra Vashi	01	09
60.	Prof Ajaykumar M Patel	01	10
61.	Prof Kruti Lavingia	02	05
62.	Prof Vipul Chudasama	01	03
63.	Prof Rushabh Shah	02	30
64.	Prof Jitali Patel	01	01
65.	Prof Usha Patel	01	04
66.	Dr Pimal Khanpara	02	11
67.	Prof Tarjni Vyas	02	24
68.	Prof Shivani Desai	02	09
69.	Prof Vivek K Prasad	03	38
70.	Prof Sapan Mankad	03	26
71.	Prof Dhaval S Jha	01	10
72.	Prof Dvijesh Bhatt	05	53
73.	Prof Anuja Nair	01	02
74.	Prof Daiwat Vyas	04	60
75.	Prof Anitha Modi	02	06
76.	Prof Lata Gohil	1	1
77.	Prof Preksha Pareek	2	7
78.	Prof Chandan Trivedi	1	1
79.	Prof Kavita Tewani	1	1
80.	Prof Chirag Nathwani	1	2
81.	Prof Pronaya Bhattacharya	6	71
82.	Prof Bodkhe Umesh	3	25
83.	Prof Bhavin D Shah	0	0
84.	Dr Smita Darandale	4	56
85.	Prof Deepti Saraswat	0	0
86.	Prof Rachana Mehta	1	10

87.	Prof Ashwin Verma	0	0
88.	Prof Shruti Jadon	2	19
89.	Prof Devyani V Patil	1	8
90.	Prof Prachi Singh	0	0
91.	Dr Mohammad Zuhair	3	14
92.	Prof Ramkishan Dewangan	02	13
93.	Dr J P Ruparelia	10	1951
94.	Dr S S Patel	14	899
95.	Dr M H Joshipura	5	191
96.	Dr Nimish Shah	4	42
97.	Dr Shibu Pillai	10	402
98.	Dr Ankur Dwivedi	5	73
99.	Prof R N Reddy	2	58
100.	Prof Nikita Chokshi	2	8
101.	Dr Sandip Sharma	4	178
102.	Dr Neha Patni	6	185
103.	Dr Amita Chaudhary	1	3
104.	Dr Leena Bora	2	152
105.	Dr Amit Kumar	1	4
106.	Dr Urmil V Dave	9	274
107.	Dr Paresh V Patel	7	252
108.	Dr Parul R Patel	4	58
109.	Dr Sharad P Purohit	4	65
110.	Prof Sonal P Thakkar	2	14
111.	Dr Digesh D Joshi	4	74
112.	Prof Tejas M Joshi	3	31
113.	Prof Hemang A Dalwadi	1	1
114.	Prof Hemanth Kamplimath	1	2
115.	Dr Hasan M Rangwala	1	9
116.	Prof Sunil D Raiyani	2	5
117.	Prof Viraj M Parekh	1	1
118.	Prof Anant D Patel	2	4
119.	Dr Kunal Pathak	4	41
120.	Dr Richa Mishra	2	19
121.	Dr Motilal Panigrahi	4	111
122.	Dr Samir Mahajan	2	10
123.	Dr P S Vellala	2	22
124.	Dr Mahesh Yeolekar	3	26
125.	Dr Bijal Yeolekar	3	27
126.	Dr Dhiren Pandit	1	3
127.	Dr Amit Mishra	0	0
128.	Dr Ratna Rao	0	0
129.	Prof Pronoy Singha	0	0
130.	Prof Akash Joshi	0	0

131.	Dr Sandeep Malhotra	2	8
132.	Dr Amisha Patel	3	26
133.	Dr Vijay Yadav	8	191
134.	Dr S C Vora	5	52
135.	Dr P N Tekwani	15	1215
136.	Dr Siddharthsingh K Chauhan	6	168
137.	Dr Akhilesh Nimje	6	100
138.	Dr Kuntal Bhattacharjee	7	301
139.	Dr Pavan Khetrapal	2	8
140.	Dr M T Shah	6	98
141.	Dr A N Patel	4	73
142.	Prof T H Panchal	2	11
143.	Prof P N Kapil	4	37
144.	Prof S N Jani	2	6
145.	Prof C B Bhatt	3	44
146.	Prof S S Kanojia	2	20
147.	Prof C R Mehta	2	64
148.	Prof S Godwal	1	1
149.	Prof Hormaz Amroliya	1	1
150.	Prof Samyak Shah	0	0
151.	Prof Akhilesh Panwar	2	21
152.	Prof Chirag Raval	1	5
153.	Prof J N Pathan	0	0
154.	Prof Chintan Patel	0	0
155.	Prof V V Satyanarayana Karri	0	0
156.	Prof Annima Gupta	0	0
157.	Dr Tarun Tailor	0	0
158.	Prof Abirami Rajagopal	0	0
159.	Prof Shivam Srivastava	0	0
160.	Prof Santosh Kakad	0	0
161.	Dr Rajesh N Patel	13	858
162.	Dr Vikas J Lakhera	5	183
163.	Dr Kaushik M Patel	12	592
164.	Dr Bharat A Modi	3	47
165.	Dr Shashikant J Joshi	6	216
166.	Dr Reena R Trivedi	4	75
167.	Dr Bimalkumar Mawandiya	3	20
168.	Dr Absar M Lakdawala	7	121
169.	Dr Niraj K Shah	3	25
170.	Dr Sanjay V Jain	7	469
171.	Dr Nilesh D Ghetiya	6	135
172.	Dr Mitesh Panchal	9	179
173.	Dr Madhusudan Achari	4	34
174.	Dr Jatin MDave	4	39

175.	Prof Darshita J Shah	0	0
176.	Prof Vipul M Bhojawala	3	30
177.	Prof Ashish M Gohil	3	231
178.	Dr Mihir M Chauhan	3	48
179.	Prof Balkrushna A Shah	1	11
180.	Prof Dhaval V Patel	0	0
181.	Prof Dhaval B Shah	6	282
182.	Prof Ath S Singhal	0	0
183.	Prof Shruti N Mehta	1	13
184.	Prof Anand A Bhatt	0	0
185.	Prof Tejas N Raval	1	13
186.	Prof Mayur A Makhesana	2	18
187.	Prof Darshit S Upadhyay	4	66
188.	Prof Hiren M Prajapati	0	0
189.	Prof Rudreshkumar D Makwana	0	0
190.	Prof Saumil Desai	3	20
191.	Prof Prashant Bagga	0	0
192.	Prof Shebaz Memon	0	0
193.	Prof Anand Patel	1	2
194.	Prof Arvind Sankhla	0	0
195.	Prof Vishal Mehta	0	0
196.	Prof Roshan Tandel	0	0

Ongoing Research Collaboration/New collaboration:

- Department of Civil Engineering signed MoU with Central Building Research Institute (CBRI), Roorkee on June 27, 2016. As a part of MoU, students of MTech were sent to CBRI, Roorkee for their practical training as well as major project under the guidance of Dr Ajay Chourasia.
- Department of Civil Engineering has a verbal collaboration with the University of Victoria, Canada, for research collaboration for the same students of MTech (CASAD). The students carried out their Major project under guidance of Dr Rishi Gupta, Associate Professor, Department of Civil Engineering, University of Victoria.
- Department of Electronics and Communication Engineering signed an MoU with Robert Bosch Engineering & Business Solution Pvt Ltd (RBEI), Bangalore on January 30, 2020. This MoU was signed for the joint research projects, organising workshops/expert lectures/faculty development programmes, laboratory development, consultancy in focused areas, academic interaction for qualification improvements of Robert Bosch Associates.
- Duke Plasto Techniques Pvt Ltd is the industry engaged in manufacturing wide range of submersible pumps. The industry has assigned a minor research project to the Electrical Engineering department faculty to design and develop electrical motor with enhanced performance. Further, the company is willing to get the technical training imparted from the department faculty on electrical machine design.
- MoU with Mitsubishi Electrical India Pvt Ltd is signed on February 19, 2014. Under this MoU department is organising various training programmes for academicians and/or personnel working in the industries. As a part of this MoU, the department has received a 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.

- MoU signed with Tata Motors in April 2019 with an objective of promoting interaction between two parties in mutually beneficial areas.
- As a part of MoU signed with CSIR AMPRI, Dr Manish Mudgal, Senior Principal Scientist and Section Head and Dr Ajay Chourasia, Sr Principal Scientist, CSIR-Central Building Research Institute, Roorkee & Professor, AC-SIR are working as RAC Member for our PhD students.

Activities carried out during the year under existing MoUs:

- An expert lecture on “Motion and Servo controller” was organised by the department of IC on September 19, 2019. The lecture was addressed by Mr Manish Chauhan, Mitsubishi Electric India Pvt Ltd, Ahmedabad for BTech 7th semester students.
- Team console from Instrumentation and Control department participated in Mitsubishi Electric Cup - A National Level Automation competition and secured Golden cup for the year 2020. Also the team secured Silver cup for successive years in a row in 2017, 2018 and 2019.
- Two BTech students did their dissertation using Mitsubishi FA training kits.

Internal Resources Generated (Consultancy, MDA Programme for Industries, any other)

Revenue Generated in:

Financial Year	Consultancy (Rs.in lacs)	Testing (Rs.in lacs)	Training (Rs.in lacs)	Others (Rs.in lacs)
2019-20	22.51	15.05	9.72	-
2018-19	25.89	11.25	4.61	-

Extension Activities / Community Services by Institute/Department

Community Services Course

- Institute has taken a big leap to increase the involvement of students in the extension activity by changing the implementation method of “Community Services” course. From academic year 2018-19, the students are required to carry three weeks of social services during the summer vacation after completion of semester II. A total of 864 students were engaged in social services at 438 NGOs/Government Organisations under this course during May-June 2019. Seven groups out of these were selected to felicitate during foundation day celebration on 3rd October 2019.

Volunteer Teaching

- Nirma VolunTeaching Movement (NVM) has been started from September 2013. Under this activity, students from various departments teach in the village Miroli, SP ring road, Ahmedabad in co-ordination with All India Rural Empowerment Programme (AIREP) group. Every Saturday students are visiting the village. The beneficiaries are around 80-100 kids of standard III to VIII.
- Nirma VolunTeaching Movement (NVM) organised a programme called, “Safar: From Miroli to Ahmedabad” on October 05, 2019. In the programme around 50 kids of Miroli village were brought to the campus. Activities like sports, craft, talent show, etc, were arranged.

Reaching to the Needy

- On the occasion of the 25th Foundation Day, October 03, 2019, students from the Chemical Engineering Students' Association visited Jeevantirth Seva Kendra to interact with the under privileged children of the organisation. The students played games with the children and distributed stationary items among the children. They also visited various public places to spread awareness about stopping the use of single use plastic.

- Mechanical Engineering Students' Association organised an extension activity of Cloth Collection and Donation Drive on the auspicious occasion of Silver Jubilee celebration of Institute of Technology on October 03, 2019. The students collected the clothes and distributed them to around 25 needy persons.
- NSS Group of ITNU arranged a residential camp of 7 days at village Motipura during January 27 to February 02, 2020. 45 students with seven faculty members took part in the camp. Swachhta Abhiyan, Education awareness and spreading the information about Government programmes were major activities during this camp.
- NSS Unit of SoE has completed Kadam - a 7 day NSS residential camp at Miroli village during February 24 to March 01, 2020. A total 40 students participated in the 7 days NSS camp.

Academic Support

- Mechanical Engg Student Association (MESA) organised the AUTOCALYPSE and ROBOCALYPSE Workshop on July 27-28, 2019. A total of 180 students from 15 schools participated in the event. In this programme, the high school children were provided the first-hand knowledge on automobile and robotic. This was the 9th event in a row since 2010.
- Department of Electronics and Communication Engineering organised a workshop for the students of ITI, Vastral on October 05, 2019 on, 'Modern Electronics Measurement Instruments and Simulation Tools'. A total of 41 students registered along with two instructors.
- A one day seminar was organised by the Department of Electrical Engineering for the Industrial Training Institute students of Chandkheda, Ahmedabad. The aim was to familiarise the students with basic concepts of Electrical Machines and drives, such that it is in coherence with their respective courses. A total of 31 students were beneficiaries of the event.

Other activity:

- Centre for United Nations is a major group organisation working United Nations. RIO India programmes (2012-2022) is its flagship programme. It is India's widest National level co-curricular programme for school & college students. RIO programmes focus on UN initiatives in accordance with RIO+20 outcome document. RIO+25 UN Water Action Decade India Programme is a short-term co-curricular course study for Indian students. Prof Neha Patani is co-ordinator of the programme. Around 75 students across the institute registered for the course. Registration for the course was done on November 20, 2019, and the exam was conducted on February 29 and March 07, 2020. Results and certificates are yet to come from RIO25 centre Mumbai.
- To sensitize the issues with old age people, ISA student chapter of IC Department organised one day visit to Hiramani old age home on April 24, 2019. Students spent a day time with the residence of the old age home.
- IC department student organisation, ISA arranged visit to Apang Manav Mandal on September 07, 2019. Students spent time with the physically challenged kids.
- ISA Student's Chapter Nirma University organised a Blood Stem Cell Donation Drive with DATRI on February 29, 2020. A seminar was arranged on "What is Blood Stem Cell and How they can be donated?" After the seminar 71 students and faculty members registered themselves as volunteers of blood stem cell donation with DATRI.

MoU related Activities or Linkages with National/International Academic/ research bodies

National

Sr No	Name of the University	Activity
1.	Tata Motors Limited, Mumbai.	As a part of this MoU, BTech programme in Manufacturing Technology for Tata Motors employees is designed where around 31 employees of Tata Motors admitted in this BTech programme in the academic year 2019-20. The theory class and laboratory session were conducted at Nirma University by faculty members from Mechanical Engineering Department.
2.	Robert Bosch Engineering and Business Solutions Private Limited (RBEI), Bangalore.	For the joint research projects, organising workshops/expert lectures/faculty development programmes, laboratory development, consultancy in focused areas, academic interaction for qualification improvements of Robert Bosch Associates.
3.	INS Valsura, the premier Electrical training establishment of the Indian Navy at Jamnagar.	Dr Swati and Prof Sapan Mankad were invited to deliver a talk at INS Valsura in a workshop on AI and Machine learning which was attended by officers of all the three wings of the armed forces. Eight students from CSE were offered internships at INS Valsura for their final semester during December 2018-May 2019.
4.	Confederation of Indian Industry, Ahmedabad.	Academic interaction and academic policy along with CII. Participation in conferences and seminars. Projects and Industry Interaction. Proposal to start Executive Diploma Programme for CII.
5.	Secure Meters Ltd Udaipur	Under this MoU they have announced the “Vikram Award”, to be awarded to the outstanding technical academic projects done by the engineering students. The first prize was awarded to Pranjal Shrivastava, Aditi Bhatnagar, Jayvik Desai students of BTech Semester VII, Department of Electronics and Communication Engineering. The award consists of a cash prize of Rs 50,000, a medal and a certificate from Secure Meters, Udaipur.

International

Sr No	Name of the University	Activity
1	Iowa State University	Yash Patel (15BCH065) carried out his final year project from January 16, 2019 to May 11, 2019.
		Dhananjay Dileep (16BCH013) and Devam Joshi (16BCE035) carried out their research internship from May 20, 2019 to July 10, 2019.
2	SeaTech Florida Atlantic University	Abhimanyu Shanbag (16BME001) and Nikunj Parmat (16BME003) carried out research internship from May 20, 2019 to July 10, 2019.
3	University of Houston	Haard Mehta (16BIC056), Tirth Patel (16BIT080) and Riya

		Brahmbhatt (16BCE122) carried out research internship from May 20, 2019 to July 10, 2019.
		Harsh Kachhadia (16BIT061) carried out his research internship from June 3, 2019 to August 9, 2019.
4	Suny Binghamton University	Archita Kothari (16BIC018) and Marsh Vegada (16BIT088) carried out their research internship from May 20, 2019 to July 10, 2019.
		Yashita Mehta (16BEE097) carried out his research internship from May 22, 2019 to July 11, 2019.
		Dr Swati Jain from the Computer Science and Engineering department received full funding to Visit SUNY, Binghamton University, New York, USA as a visiting fellow faculty. She worked there for 5 weeks during June 03 ,2019 to July 05, 2019. She is now involved in joint work and as a committee member in master's thesis.
5	University of Texas at Austin	Chinar Patel (15BCE083) carried out his final year project from January 14, 2019 to May 31, 2019.
6	University of Southern California	Parimal Mehta (16BCE118) carried out his internship from June 3, 2019 to August 9, 2019.
7	Litmus Automation, San Jose	Lipi Shah (15BIC019) carried out her final year project from January 14, 2019 to May 3, 2019.
8	Florida Atlantic University	Ujjwal Mashruwala (17BCL166), Meet Patel (17BCL167) and Shubham Kothari (17BCL163) carried out their research internship from May 20, 2019 to July 8, 2019.
		Abhishek Ratanpara (18MMET10) and Sanat Deshpande(18MMET03) carried out their MTech Research Project from October 1, 2019 to May 19, 2020.
9	Watson Institute	Aditya Dave (15BEC009) carried out his final year project from January 20, 2019 to May 8, 2019.
10	University of Montreal, Microsoft Research	Shivam Patel (16BCE081) carried out his research internship from May 25, 2019 to August 1, 2019.
11	Public University of Navarra, Spain	Dr Dhaval Pujara visited the university and delivered talk on 'Introduction to Critical Thinking and Antenna Research at Nirma University.'
		Gupta Jay Vishnu (16FTVPHDE14) a Full Time PhD Scholar has completed a research stay of 5 months from October 8, 2019 to February 29, 2020 to enhance his research work. During his stay, he has completed the design and fabrication of several horn and axial corrugated horn antenna.

Following Faculty members from ITNU visited foreign universities:

Name	Foreign Universities Visited	Purpose of visit	Date
Dr R N Patel, Director ITNU	1. Florida Atlantic University, USA 2. USC, Los Angeles, USA 3. Carleton University, Canada 4. Binghamton University, USA	To discuss potential collaboration opportunities	March 25 to April 3, 2019

Dr Mehul R Naik, Head – International Relations	1. Florida Atlantic University, USA 2. USC, Los Angeles, USA 3. Arizona State University, USA 4. University of Houston, USA 5. University of South Florida, USA 6. Nova Southeastern University, USA 7. Carleton University, Canada 8. Binghamton University, USA 9. Companies in California & NY, NJ, USA	To discuss potential collaboration opportunities	March 18 to April 10, 2019

IV. Infrastructure and Learning Resources:

Computer systems and peripherals worth Rs1,28,77,835/- in different departments have been purchased, the summary of which is given below:

Wi-Fi facility was further enhanced and further 23 access points were added at new building. Internet Bandwidth has been upgraded from 512Mbps to 1Gbps for the entire campus.

Details of Computer Systems and Peripherals purchased during 2019-20

Sr No	Dept	Item description	Unit Rate	Qty	Total Amount	Purchase date / Bill No
1	EC	Lenovo Think Centre M720T Desktop CPU : Intel Core I5-9500 CPU (9 TH GEN.), Chipset: Intel B360 Chipset Motherboard, RAM : 8GB DDR4-2666 MHZ, Harddisk: 1 TB Sata Harddisk-7200 RPM, Formfactor: Tower Cabinet With SMPS, Keyboard: USB Keyboard, Mouse : USB Optical Mouse, Ethernet: 1 X Gigabit Ethernet Port, Ports – Front: 2 X USB Port+1 X Type-C Port, Ports – Back: 4 X USB + 1 X Serial Port, Display Ports: 1 X VGA+ 2 X Display Ports, Monitor: 19.5” IPS LED Monitor (Lenovo)	37,000	14	5,18,000	21/01/2020 S/1017
2	GA	Dell Poweredge R740 - ERP Server	11,48,140	1	11,48,140	26-8-2019, HTG/000780/19-20

Details of Computer Software purchased during 2019-20

Sr No	Dept	Item description	Unit Rate	Qty	Total Amount	Purchase date/Bill No
1	CH	M S Office	4000	2	9440	02/03/2020, S-1064
2	CIVIL	M S Office	4000	1	4720	02/03/2020, S-1066

3	NU	ESCAN Corporate Edition With Hybrid Network Support	364.41	2500	1075000	01/30/2020, LICD19200217
4	ITNU Library	M S Office	4000	1	4720	07/23/2019, S-0614
5	CSE	VSPRO 2019 SNGL OLP NL ACDMC	4380	5	21900	9-12-2019,TSL/19-20/2445
6	CSE	Office Pro Plus 2019 SNGL OLP NL Acdmc	4695	5	23475	9-12-2019, TSL/19-20/2445
7	EC	Matlab for Campus	Unlimited		5044000	30-SEP-2019, MH/1920/15305

Networking items purchased during 2019-20

Sr No	Dept	Item description	Unit Rate	Qty	Total Amount	Purchase date / Bill No
1	CSE	Net Generation Security Management Software for 5 gateways	42727	1	6018000	08/20/2019
2		Smart Event and Smart Reporter for 5 gateways for 3y	32589	1		
3		Smart Event and Smart Reporter for 5 gateways for 2y	21726	1		
4		15600 NGTX appliance	744907	2		
5		4 Port10G Base-F SFP+ interface card	102102	2		
6		SPF+ transceiver for 10G fiber ports- short range	7425	8		
7		Memory upgrade kit from 32 GB to 64 GB for 15600 appliance	51979	2		
8		NGTX package subscription for 3 years for 15600 app	450643	2		
9		NGTX package subscription for 1 years for 15600 APPL	200881	2		
10		Check point mobile access blade for unlimited concurrent connections	66988	2		
11		10 GbE Direct Attach Cable (DAC), 3m	3712	8		
12		Premium Direct Enterprise Support for 5 Years	85408	1		
13		Premium Direct Enterprise Support for 5 Years	128903	2		
14		Premium Direct Enterprise Support for 5 Years	536159	2		

15	Premium Direct Enterprise Support for 5 Years	67665	2		
16	Premium Direct Enterprise Support for 5 Years	4921	8		
17	Premium Direct Enterprise Support for 5 Years	34476	2		
18	Premium Direct Enterprise Support for 5 Years	2460	8		
19	WinSvrSTDCore 2019 SNGL OLP 16 Lic NL CoreLic	17362.17	1	158580	09/04/2019
20	WinSvrCAL 2019 SNGL OLP NL DvcCAL	585.14	200		

Library – Learning Resources added:

- During the year (April 2019 – March 2020) 1015 books were added to the Library and presently it has a collection of 60,376 books.
- 165 print journals and magazines (153 National and 12 International) in the areas of Engineering, English, Mathematics, General Reading, etc.
- Library has subscribed 4 e-journals package and 1 database of IEL Online, ASCE, Science Direct, ACM Digital and SCOPUS. Also subscribed EBSCO academic eBook collection (Total 1,95,000 e-books)
- The Library issued 47,156 books and other documents to its members during the year and 80,761 users visited the library during the year.
- The Library Resource Centre provided 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 6,744 books other than the library books. During the year, 368 students availed this facility and borrowed 1737 books from this collection.
- Added MTech Dissertations, PhD Thesis, event Photo-albums in the Institutional Repository that have been created by using DSpace Open Source Software.
- Created a Google site for accessing previous years Exam Papers and Newspaper Clippings. Now Students, Faculty and Staff Members can easily access Exam Papers and Newspaper Clippings through their Nirma University e-mail ID from anywhere.
- As a part of the Silver Jubilee year, the Library has arranged an Online QUIZ programme called "Did You Know? To increase awareness about the library services and its varied resources.
- Library has purchased Remote Login Software for accessing NU's e-resources outside the campus. Faculty members and PhD, 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. At present 182 Faculty members, 144 PG students, 310 UG students and 39 PhD students are using this facility.
- Research Wall: Library displayed important publications, articles, patents etc on regular basis throughout the year.
- Best User: Library displays best user data in terms of Issue/Return, Walking usage and remote login usage.
- Other activities
 - Related books were displayed on the different occasions, such as, Gujarati Books on the occasion of Gujarat Gaurav Divas, Science Fiction as a part of celebration of National Sci-Fi Day, "Women" as a part of celebration of "National Women's Day," English Language on the Occasion of World Book Day, Blind Date with Books, Books displayed on Research, World Photography Day, Teachers Day, Freedom

- fighter, National Engineers Day, World Tourism Day, and many more.
- Library Awareness Programme for UG/PG students.
- Nirma University Library and Directorate of Research and Innovation jointly organised “Author-cum-Publishing Workshop” for the Faculty members and PhD students of Nirma University (Publisher: IEEE and Cambridge University Press).
- Training Session - IEL (IEEE/IET Electronic Library) Online for First year MTech students, EBSCO academic e-book for MTech students.
- Storytellers and Quiz sessions were arranged.

Laboratory Facilities: Major Additions

Electronics & Communication Engineering

Sr. No	Name of Equipment	Quantity	Rate/ Item	Total Amount
1	Power Meter	1	13,275=00	13,275=00
2	Analog Discovery Kit	18	24,190=00	4,35,420=00
3	LCR Meter	1	17,228=00	17,228=00
4	DC Regulated Single Power Supply (0 to 32 V 2 Amp)	3	9,558=00	28,674=00
5	DSP Kits	5	41,300=00	2,06,500=00
6	IC Tester	1	38,675=00	38,675=00
7	Genesys Kintex FPGA Kit	2	73,160=00	1,46,320=00
8	Thomson Method to determine e/m	1	23,364=00	23,364=00
9	Newton's Ring Experiment	1	14,750=00	14,750=00
10	Curie Temperature Measurement	1	31,860=00	31,860=00
11	Geiger Muller Counter	1	90,000=00	90,000=00
12	Transmission Line Trainer	1	4,77,900=00	4,77,900=00
13	Function Generator	3	12,980=00	38,940=00
14	CRO	3	20,499=00	61,498=00
15	High End FPGA Kit Xilinx Kintex 7	1	3,21,727=00	3,21,727=00
	Software			
1	MATLAB 2020 Full Academic Suite	Unlimited	50,44,500=00	50,44,500=00
2	Renewal of Cadence PG VLSI	10 Licenses	9,44,000=00	9,44,000=00
3	TCAD	5 Licenses	7,50,000=00	7,50,000=00
	Computers			
1	Computer Systems	14	53,926=00	7,54,964=00
2	Ethernet Network Switch	2	20,750=00	41,500=00

Instrumentation & Control Engineering Department

Sr No	Item Description	Unit cost Rs	Qty	Total Amount
1	LIDAR 360 Laser Scanner	41890	1	28/08/2019

2	Hexiware IOT Docking station with click board	35400	1	31/08/2019
3	IOT trainer Board	41064	1	13/12/2019
4	Dual Power Supply(10A)	74340	1	20/09/2019
5	NI DAQ Card 6009 & NI DAQ Card 6008	74060	2	04/10/2019
6	NI My RIO card	67260	1	13/01/2020

* Jointly purchased with other departments

Chemical Engineering

Sr No	Name of Equipment	Quantity	Unit Price	Total Amount in ₹
	Lab-Mass Transfer Operation			
1	Bubble cap distillation column	1	388943.34	388943.34
	Packed bed distillation column	1	344590.68	344590.68
	Sieve plate distillation column	1	410788.68	410788.68
	Fludized bed dryer	1	221442.34	221442.34
	Forced draft tray tower	1	143208.34	143208.34
	Ion Exchange	1	118133.34	118133.34
	Mass transfer with and without Chemical Reaction	1	129166.34	129166.34
	Spray Tower	1	242284.68	242284.68
	Water cooling tower	1	208403.34	208403.34
	Absorption in sieveplate column	1	371451.02	371451.02
	Humidification/Dehumidification	1	261341.68	261341.68
	Solid in air diffusion	1	116909.68	116909.68
2	Lab Hydrocarbon Technology			
	Cloud & Pour Point Apparatus	1	88766.00	88766.00
	Copper Corrosion Test Apparatus	1	46994.00	46994.00
	Reid Vapour Pressure Test Apparatus	1	51171.00	51171.00
	Semiautomatic Pensky Martene Flash Point	1	78322.50	78322.50
	Kinematic Viscometer Bath with Accessories	1	51275.13	51275.13
	Semiautomatic Bomb Calorimeter	1	61613.70	61613.70
3	Project Lab			
	Centrifuge Machine with rotor and Stabilizer	1	207444.00	207444.00
	Compact Spectrophotometer	2	49996.60	99993.20
	PM 2.5 Fine Dust Sampler	1	112100.00	112100.00
4	Computational Laboratory			
	CHEMCAD Simulator	25 User License	-	501500.00

Mechanical Engineering

Sr No	Item Description	Unit cost Rs	Qty	Total Amount
1	Inverted microscope with digital camera (Material Technology Lab.)	78824.00	1	78824.00
2	Semi Automatic Double disc polishing	233640.00	1	233640.00

	machine (Material Technology Lab.)			
3	Universal Robot UR10E with accessories (Center for Robotics & Automation)	3625198.00	1	3625198.00
4	TurtleBot3 Waffle Pi (Center for Robotics & Automation)	168085.10	1	168085.10

Electrical Engineering

Sr. No	Name of Equipment	Rate	Qty	Total Amount
1	Inverter Stack – 2-level Output ratings: 500 V (line) & 30 A	49900	1	49900
2	Inverter Stack – 2-level Output ratings: 500 V (line) & 30 A	49900	1	49900
3	Three Phase AC voltage controller kit (Star or Delta)	53100	1	53100
4	Ring Mains and Radial Distribution Panel	54280	1	54280
5	DC-DC converter Kit Isolated converters	63720	2	63720
6	Single Phase AC voltage controller kit	47200	2	94400
7	DC Regulated Single Power Supply 30-300 V / 10 A	164020	1	164020
8	Solid Thinking Software with Motor Control kit	223492	1	223492
9	Arbitrary Waveform Generator	245000	2	245000
10	MCB and HRC Fuse Testing System	54858	1	54858
11	Data Acquisition Board	153883	1	153883
12	Digital Oscilloscope with Frequency Response Analyzer	61500	1	61500
13	Pyranometer	85000	1	85000

Civil Engineering

Construction Materials laboratory is the new addition this year to the Civil Engineering Department. It measures about 91 sq meter area. Construction Materials laboratory facilitates students for manufacturing various construction materials related to bricks, hollow blocks, paver blocks, interlocking blocks, cellular light weight concrete blocks, etc. Some of the other equipment in the laboratory includes: Brick and Block Making Machine, Concrete Mixer and Digital Tensile Testing Machine.

Structural Mechanics laboratory is also the new addition of laboratory for the year of 2019-20. It measures about 91 sq meter area. Some of the equipment in the laboratory includes: Reaction Frame used to perform experimentation related to deflection of different types of beams and frames, Column and Strut Apparatus, Three Hinged Arch Apparatus, Portal Frame Apparatus, Redundant Joint Apparatus, Deflection of Truss Apparatus, Elastically Coupled Beam Apparatus, Unsymmetrical Bending Apparatus, Elastic Properties of Deflected Beam Apparatus, Lateral Loading Assembly etc.

In addition to the above, following new equipment's were purchased during financial year 2019-2020 in various laboratories of Civil Engineering Department.

Sr No	Name of Equipment/Software	Quantity	Unit cost Rs.	Purchase Date
1	Digital Triaxial Shear Test Apparatus	1	8,99,691/-	26/02/2020
2	Workstation –Envi Software	1	4,70,820/-	2/11/2019
3	Tensile Testing Machine	1	2,76,120/-	12/10/2019
4	Brick Making Machine	1	3,30,400/-	28/11/2019

5	Jaw Crusher	1	87,320/-	12/08/2019
6	Asphalt Mixer Machine	1	1,43,370/-	25/09/2019
7	COD Digester CR25	1	76,700/-	14/10/2019
8	Digital Balance Scale	1	1,05,610/-	21/10/2019
9	Point Load Index Tester	1	93,371/-	07/10./2019
10	Cannon Manning Cum Cannon Fenske Viscometer	1	4,34,995/-	16/11/2019

V. Student Support and Progression:

Cut-off Percentage Marks – Category-wise

B. Tech First Year Admission Cut-Off 2019

35% All India Category

Branch	First Admission		Last Admission	
	ITNU Merit No	JEE (Main) 2019 All India Rank	ITNU Merit No	JEE (Main) 2019 All India Rank
Computer Science & Engineering	91	11212	535	27964
EC Engineering	631	31022	1793	64627
Mechanical Engineering	284	19540	2215	78221
Chemical Engineering	659	31958	3374	125283
IC Engineering	55	9069	3914	153262
Electrical Engineering	415	23883	3224	118295
Civil Engineering	97	11367	4463	186441

15% NRI/NRI Sponsored Category

Branch	First Admission		Last Admission	
	ITNU Merit No	JEE(Main) 2019 All India Rank	ITNU Merit No.	JEE(Main) 2019 All India Rank
Computer Science & Engineering	NRIG-26	79.33	NRIS-86	62906
	NRIS-14	30822		
EC Engineering	NRIS-125	81812	NRIS-314	193382
Mechanical Engineering	NRIG-39	68.33	NRIS-469	326225
	NRIS-131	84690		
Chemical Engineering	NRIS-220	128503	NRIS-489	352923
IC Engineering	NRIS-303	187298	NRIS-501	377470
Electrical Engineering	NRIS-187	111611	NRISP-004	352169
Civil Engineering	NRIG-55	55	NRISP-005	552982
	NRIS-243	142255		
NRIG=NRI Genuine, NRIS=NRI Sponsored, NRISP=NRI Sponsored-Spot				

50% ACPC Category

Branch	ACPC Merit Rank							
	Open Category		SC Category		ST Category		SEBC Category	
	First	Last	First	Last	First	Last	First	Last
Computer Science & Engineering	144	816	1460	3785	10826	29797	555	1949
EC Engineering	314	6680	5160	23223	23387	-	4848	11232
Mechanical Engineering	630	5247	7444	9202	25596	28170	3114	6715
Chemical Engineering	316	2813	4254	6839	28354	-	2864	6826
IC Engineering	1766	16170	10559	-	-	-	8187	26420
Electrical Engineering	1336	13806	7440	10297	5103	24955	6608	14656
Civil Engineering	804	14513	8638	10131	7563	26096	5758	14225

MTECH

		CUT-OFF				Admissions		Total Admissions
Branch	Sub-Branch	GATE		NON-GATE		GATE	NON GATE	
		First	Last	First	Last			
Civil Engineering	CASAD	538	365	27	19	05	13	18
Computer Science & Engineering	CSE	478	363	37	29	12	06	18*
	INS	452	393	33	23	03	15	18
	DS	552	358	39	28	13	05	18
EC Engineering	EMBEDDED	538	365	27	19	05	13	18
	VLSI	588	400	32	27	13	05	18
Mechanical Engineering	CAD/CAM	470	396	35	18	05	13	18
	THERMAL	431	431	33	16*	01	16	18
Electrical Engineering	EPS	492	351	34	21	07	11	18
							Total	162

*+1 Gulf quota

MCA

Branch	CMAT CUT-OFF (CMAT Score)			Total Admissions
	Category	First	Last	
MCA_SEM-1	OPEN	252	40	44
	SEBC	130	85	
	SC	95	95	
	ST	--	--	
	EWS	153	42	
MCA_SEM-3 (Lateral Entry)	OPEN	281	161	22
	SEBC	194	159	
	SC	104	69	
	ST	--	--	
	EWS	167	123	
Total				66

Admission on vacant seat

Branch	CMAT CUT-OFF (CMAT Score)		Total Admissions
	First	Last	
MCA_SEM-1	148	63	24
MCA_SEM-3 (Lateral Entry)	161	123	02
Total			26

Students' Achievements

1. UltraTech Cement Ltd organised an "UltraTech Sparkling Star competition" for undergraduate Students for Civil Engineering on 06 March, 2020. Students of Semester IV, Vedanshi Shah, Rao Vishavjeet, and Ratnani Angel secured runner up position with a prize of Rs 9000/- in the said competition. The topic of presentation was "High Performance Concrete".
2. The Storm Case Challenge "Industrial Problem Solving" was organised by the Thermax Global Pvt Ltd, mainly for Chemical Engineering Students across India. 3 teams out of the top 5 were from the Chemical Engineering Department. Each Team presented a solution to the expert from Thermax and bagged First, Second and Third Prize in the competition. The winning teams were given an opportunity to present their case solutions among more than 200 Thermax delegates at their headquarter in Pune. The winning teams received cash prizes of Rs 50,000/- , Rs 30,000/- and Rs 20,000 respectively on February 10, 2020.
3. Mr Parth Kapadia (18BCE151) and Mr Tirth Patel (18BCE243) were selected as GSoC 2020 student developers. Mr Tirth will work on PyMC3, an organisation under the NumFOCUS Umbrella, to develop a higher-level API for Gaussian processes in PyMC4 and Parth will work on Xapian Library known as Omega, to develop the code which supports new file formats (various zip formats) in Omega.
4. Mr Nikunj Sharma (16BME107) & Mr Darshan Makwana (19MMET03) won second prize (Rs15,000) in QUIZO-2020 organised by ASHRAE WIC (The American Society of Heating, Refrigerating and Air-Conditioning Engineers - Western India Chapter) on March 07, 2020.
5. Mr Ashish Majithia (PhD Scholar – Mechanical) won the First Prize for his project and was felicitated by Prof S K Sala, IIT Delhi during the FDP on 'Robotics, Artificial Intelligence and Control (RAIAC)' organised at NIT Calicut during February 03-08,2020.
6. Mr Priyam Parikh (PhD Scholar - Mechanical) won First Prize at International Conference on Robotic Research under the guidance of Dr Jatin Dave and Dr R R Trivedi held on December 16-18, 2019.
7. Mr Akshat Hetal Patel, 17BME008 - student of BTech Mechanical Sem-VI was Course Topper for two NPTEL online course, Solid Mechanics (IIT Madras) and Aircraft Propulsion (IIT Guwahati) during July – October, 2019.
8. Mr Divyanshu's (8th Sem EC Student) paper titled "Modelling, Design and Control of a Four-wheel Holonomic Drive" got accepted in IEEE SPIN2020 Conference.
9. IDEA Lab project titled "Biodegradable plastic from agricultural waste" by Mr Shrajesh Patel, Mr Ruchit Patel and Mr Deep Kotak, guided by Dr Sanjay Patel won the Golden Award at Makersfest 2020, which included a sum of Rs 10,000/-, a trophy and individual certificates for team members on January 18-19, 2020.
10. Mr Gagandeep Singh Gill (EE) stood first in the short film competition, and Mr Aditya Jain, Ms Agrini Chaturvedi, & Ms Shruti Airan of EC and Mr Tanmay Agrawal got second prize. Mr Aaryan Pandya, Mr Meet Vora, Mr Upamanyu Dixit & Mr Raj Trivedi got third prize during the Nirma University Photography and Short Film Competition on January 10, 2020.
11. Team of CSE dept, Persistent Triers: Ashish Lal, Sparsh Sanchorawala & Jeel Vaishnav under the guidance of coach Dr Ankit Thakkar were selected for Asia West Continent Championship in ACM ICPC after qualifying regional rounds. Achieved 27th Rank out of 65 premier teams internationally in the Asia West Continent Championship on January 15, 2020 in Kolkata.
12. Sapna Bablani and Shivang Kadiya cleared Indian Green Building Council (IGBC) Accredited Professional Examination on November 16, 2019, and are now IGBC Accredited Professionals (IGBC-AP).
13. Dhvani Desai, Abhishek Soni, Dhruv Panchal presented paper titled "Design, Development and Testing of Automatic Pothole Detection and Alert System" in 16th IEEE India Council International Conference (INDICON 2019), during December 13-15, 2019.

14. Pranjal, Aditi and Jayvik under the mentorship of Dr Sachin Gajjar, designed a Wireless Distributed Data Acquisition System (DDAS) using Zigbee based Wireless Sensor Networks to detect parameters related to industrial machine's health, industry's production line, and environmental conditions of an industry.
15. Rohan Maheshwari and Vansh Falgun Patel won a silver level developer certificate (National level, Rank- 2) in BootaThon at Rajkiya Engineering College, Banda, UP coordinated by IIT Bombay.
16. Two student teams of BTech (Electronics and Communication) Semester VII (Aditi/Jayvik/Pranjal and Abhishek/Dhwani) working with Prof Sachin Gajjar for a real-world applications based project since their VI Semester. The projects were based on the problems listed in the Smart India Hackathon 2019. Accordingly they submitted part of work done in both the projects as two papers (DDAS: Distributed Data Acquisition System using Wireless Sensor Networks & Design, Development, and Testing of Automatic Pothole Detection and Alert System) at the 16th IEEE India Council International Conference INDICON 2019 and both the papers have been accepted for oral presentation at the said conference.
17. The Research Article on 'Performance of TB-MRC MIMO system with imperfect CSI under influence of spatial correlation and co-channel interference' by Mr Dhruv Mathur(16BEC035) & Mr Sarthak Seth(16BEC034) has been selected in the International Conference -IISTEM-ICNCCT, Jaipur on January 25, 2020.
18. Mr Naman Khamar, Mr Rohan Desai and Mr Rushi Desai, Civil Engineering students received an award from Lions Club International, Kadi, for their Community Service work carried out in the month of June 2019.
19. NCC Cadet Mayur Dhulia from Electrical Engineering department secured first position in INSAS Rifle firing competition at Army Attachment Camp, Jamnagar during July 9-23, 2019.
20. Indian Green Building Council has organised its annual flagship event "Green Building Congress 2019" during September 25-28, 2019 at Hyderabad. Three of BTech final year students Prutha Patel, Ali Akkadwala and Ujawal Mashruwala attended the conference.
21. Students of Instrumentation and Control department won scholarship from International Society of Automation. Yash Bohra- 2000 USD; Kushal Mehta -1500 USD; Somya Gupta - 1500 USD; Niharika Sablok- 1500 USD; Haard Metha- 1500 USD in June, 2019.
22. Jeel Vaishnav of Computer Science Engineering stood first in the "Algorithms Track" of "Top Coder Open" competition and won INR 30,000/- on June 28, 2019.
23. The PhD scholar of Dr Ankur Pandya of EC, Mr Nikunj Joshi (18PTPHD072) has received Best Poster Award in National Conference DAE-SSPS - 2019 organised every year by the Department of Atomic Energy (DAE).
24. PhD student Aparna Kumari's paper titled "Fog computing for Healthcare 4.0 environment: Opportunities and challenges" is in the list of "Most Cited Articles" published since 2016, extracted from Scopus, Computers and Electrical Journal of Elsevier, SCI/WoS/SCOPUS, IF 2.189.
25. The Students of Semester-III Jaydip Gadhavi (18BCL032), Gautam Tyagi (18BCL035), Meet Patel (18BCL050) and Meet Shah (18BCL051) received an award for their three week community service on the 25th Foundation Day Celebration of Institute of Technology.
26. M.Tech. student Sanket Ladani (18MCLC06) has won second place in Bentley Institute - Student Design Challenge – India in the Structural Engineering Design Category in November 2019.

Student Clubs in the Institute - Activities

Institute of Technology has established different Students' Organisations and Chapter of Technical Societies. These associations provide platform for the students to showcase their engineering talents, business acumen, and practical know-how of fundamentals, along with their innovativeness. Different co-curricular and extracurricular activities were organised by these students clubs

throughout the year 2019-20. All associations have arranged institute level activities encompassing sports, quizzes, workshops, fun zone etc.

The activities undertaken by student organisations include department level activities, activities during Foundation Day and National Symposium NU-TECH. The summary of the activities is given below, followed by details of activities conducted by student organisations.

Summary of Activities

1. Department Level Activities

Sr No	Name of the Club	Name of the Department	No of Activities
1	CHESA	Chemical Engineering	2
2	OrCES	Civil Engineering	5
3	IGBC	Civil Engineering	6
4	ICI	Civil Engineering	7
5	CSI	Computer Science & Engg	7
6	ACES	Computer Science & Engg	3
7	Infocrats	Computer Science & Engg	2
8	AMS	MCA	1
9	ECO	Electronics and Communication	9
10	EESA	Electrical Engineering	6
11	ISA	Instrumentation and Control	3
12	MESA	Mechanical Engineering	3
13	ISTE	Institute of Technology, NU	4
14	iL2	Institute of Technology, NU	3
15	IEEE	Institute of Technology, NU	6
16	E-Cell	All department	7

2. Foundation Day Activities (3rd October 2019)

Foundation Day Celebration	No of Activities
Extension Activities	07

Department Activities

Chemical Engineering (CHESA):

- In order to support the ban on plastics, CHESA students manufactured bags from jeans and encouraged their friends and family to use such bags. Also the faculties showed enthusiasm and support by purchasing the bags. The activity was carried out in October, 2019.
- Organised a seminar on 'Total Loss Control and Risk Management' hosted by CHESA on November 15, 2019. Dr H S Purohit was invited as speaker. He informed about the various causes of fire and also ways to prevent it.

Civil Engineering (OrCES):

- Organised a workshop on AutoCAD on September 4, 2019 for the 2nd, 3rd and 4th year students. Workshop was guided by 3rd year and Masters Students. Objective of the workshop was to make the participants more adept in AutoCAD.
- Arranged a workshop on Google sketch-up on September 18, 2019 for the 2nd, 3rd and 4th year students. Workshop was guided by 3rd year students. Objective of the workshop was to

provide a basic knowledge of Google sketch-up to students so they can prepare a simple 3D plan.

- Arranged NIRMAN'19 the flagship event of OrCES on October 14-15, 2019. During these two days, numerous technical and non- technical activities were organised such as Punch-CG, Prayogshala, Map the Space, Placement Yard, etc. All the activities received a magnificent participation from Civil Engineering students all over the state of Gujarat. The event was inaugurated by Shri Bhupendrasinh Chudasama, Education Minister, Government of Gujarat.

IGBC Students' Chapter

- An expert lecture on “Introduction to IGBC” was organised on August 2, 2019. Mr Nishit Prajapati, IGBC Accreditation Professional and an alumnus of 2014-18 batch delivered the lecture.
- Three students of BTech Semester VI, Prutha Patel (17BCL114), Ali Akkadwala (16BCL017) and Ujawal Mashruwala (17BCL160) attended IGBC's annual flagship event "Green Building Congress 2019" at Hyderabad during October 25-28, 2019. On the first day of the conference special session for students was also organised. IGBC National Chapter appreciated Nirma University's effort with a certificate.
- An expert lecture by Ar Arpan Johari, Founder and Principal Architect, AW Design, Ahmedabad, on “IGBC Certified Green Buildings: Concept and Practices”, was organised on November 15, 2019. The expert shared his experience for designing of various building incorporating sustainability aspects.
- Prutha A Patel (16BCL114), Sapna A Bablani (16BCL109), Shivang Kadia (16BCL085), Ali A Akkadwala (16BCL017), Shreyansh D Jain (16BCL093), and Purva R Shah (16BCL052) have cleared the examination and awarded with the title of IGBC Accredited Professional in the last year.
- IGBC Students' Chapter in collaboration with OrCES and NSS unit of Nirma University organised a student symposium on “Converting Plastic Waste to Wealth” on January 23, 2020. The function was inaugurated by Mr Jayesh Hariyani, Co Chairman IGBC Ahmedabad Chapter, and Dr R N Patel, Additional Director, SoE, IT-NU. Three expert lectures were organised during the symposium. Series of activities were also organised following the lectures. The event’s limelight activity was in which students prepared models using plastic waste and each one of them was one of a kind and very innovative.

Indian Concrete Institute Students Chapter

- Orientation Session and Technical Quiz on Concrete was held on January 16, 2020. Around 20 students from 2nd and 3rd year took active part. Orientation Session was taken by Prof Tejas Joshi and followed by Prof Urmil Dave. Main objective of this session was to introduce the student’s members about Indian Concrete Institute (ICI).
- UltraTech India Next Webinar was held on January 29, 2020. Main objective of the webinar was “Contribution of Building Chemicals in Building Performance”. Webinar was taken by well-known speaker Mr K Padmakar. He is having more than 32 years of experience in Civil engineering field. 21 students from 2nd and 3rd year took active participation in the webinar.
- Technical Presentation Competition was held on February 10, 2020. 14 topics related to Civil Engineering were given. 54 students from 2nd & 3rd year took active participation. Main objective of this competition was to enhance the practical knowledge of students.
- UltraTech India Next Webinar was held on March 4, 2020. The main objective of webinar was “Waterproofing and Soil Stabilization using Modern Injection Systems”. Webinar was

taken by well-known speaker Mr Sunny Surlekar. He has 13 years of Global experience in the field of concrete and materials. Around 20 students from 2nd and 3rd year took active participation in the webinar.

Computer Science & Engineering

CSI

- Code Challenge – 1: CSI organised an institute level coding competition for first and second year students on June 30, 2019 to help the participants get a start on their coding journey. There were approximately 55-60 participants.
- A general knowledge quiz was organised on August 13, 2019 where students were asked questions on sports, current affairs, politics and basic coding.
- An interactive session was kept on September 17, 2019 to give the fresher's a start on their journey through four years of college. The seniors shared their experiences with them. There were 80-100 juniors present.
- A python workshop was held on September 24, 2019 open for all students to give them the basics of python.
- A workshop aimed at giving the students an idea about the two main tools of computer engineers – Git and Github was held on January 9, 2020.
- A competition was kept to make the NUTech Logo for NUTech 2020.
- Cubix 2020: CSI's annual event was organised on January 29-30, 2020. It consisted of 4 competitions: Scratchcade (Creating a game on Scratch platform), Locatify (Tech treasure hunt), Codequest (An online coding challenge specifically for 1st years), Bug-a-thon (A competition to recognise bugs in a code). A total of 100 students participated.

ACES

- Association of Computer Engineering Students (ACES) organised a series of Vyakhyan including five different sessions on different technical topics like block chain, ethics in data science and know your electives for juniors to guide them into their 3rd year, which electives they should take and how to prepare for internships.
- Campus Guru Prof Dhaval Jha explained the basics of C language and motivated juniors to do coding.
- Happy Street, a very interesting and joyful event was organised in association with CSI and Infocrats. Ten different outdoor games like tug-of-war, dog & the bone etc were conducted.

Infocrats

- Student association club of Information Technology branch (CSE Department) organised a workshop on Effective Communication on March 6, 2020. This career counselling session was attended by around 43 students from different departments of the institute.
- A session on Mental Health Awareness was arranged on September 26, 2019.

Association of MCA Students (AMS)

- Association of MCA Students (AMS) organized the IoT workshop on October 03, 2019, on the day of 25th Foundation Day of Institute of Technology. 35 students attended the workshop and explored the knowledge regarding current trends in IoT. The workshop introduced the participants to Electronic Components (Hardware Interface) and Embedded Programming, Microcontroller, Microprocessor, Sensor & Actuator interface (live demo), Digital & Analog signal, MQTT Protocol, one live demonstration of working bot.

Electronic and Communication (ECO):

- The orientation programme for the students of divisions A and B of 1st year batch of 2019 was held on July 25, 2019. The students introduced themselves and got to know each other.

The senior students of EC explained them about Electronics and Communication branch of engineering and its aspects. To inculcate the interest of the 1st year students in Electronics, students were assigned a group project activity. Students were divided into groups and were allocated a project related to Electronics. Each team was allocated projects based on real life problems. Students' groups were to solve the problem by constructing simple basic electronic circuits. They had a good learning experience and were involved thoroughly. The working circuits were assessed by the senior students and later the groups were given a chance to demonstrate and explain their design as a product. Based on the circuit design and demonstration the best team was selected as a winner and was given a certificate of appreciation from the Electronics and Communication Student Organization (ECO). At the end of the day, students of both the divisions were taken to the Robocon lab for a visit, where they had an opportunity to interact with the student team of Robocon and see all the equipment and machines made by Robocon team. They were also informed about the Robocon activity and were motivated to participate in the same.

- The Electronics and Communication Students' Organisation (ECO) organised an interactive session for the students of 7th semester EC on August 3, 2019. The Alumni students of EC, who completed the graduation in July 2019 and are placed in the core companies interacted with the present students. The interaction was conducted by means of video conferencing. More than 30 students of 7th semester EC participated in the event. Various issues like important subjects for the placements, topics for the placement, Core companies and their profiles for EC branch, requirements of coding skills, impact of co-curricular and extra-curricular activities in placement, designing the resume, importance of minor and major projects, off campus applications etc were discussed at length in the interaction.
- ECO organised an interaction session on August 22, 2019. Dr D A Pujara and Dr A I Mecwan interacted with the students. More than 50 students from 3rd, 5th and 7th semester EC participated in the same.
- Orientation activity for the student of entire EC family on August 27, 2019. More than 350 students of EC across all the semester participated in the activity.
- To boost the confidence to face the interview of final year students, a mock interview session and interaction with corporate interviewer was arranged on September 21, 2019. Mr Siddharth Mistry, Founder, Teq Dilignet, Ahmedabad and Alumni of EC conducted the session. More than 30 students of final year EC participated in the event. He interacted with students and motivated them to do 'SWOT' analysis for their improvement.
- To create the interest in the Embedded Systems in the students, an introductory workshop on STM32 board was organised on September 21, 2019 under the Banner of ECO. Final year EC students, Pranjal Shrivastav, Jaivik Desai and Aditi Bhatnagar conducted the workshop. Various features of STM32 board were introduced. Hands on programming was also carried out in the workshop.
- Python is a one of the most widely used languages for programming of hardware like Raspberry Pi. To create the awareness about the language and to introduce the same to the students, an introductory workshop on 'Python Language' was organised under the banner of ECO. Three sessions were conducted on 6th, 20th and 27th September, 2019. More than 65 students participated in the same.

Electrical Engineering (EESA)

- Electrical Engineering Student Association (EESA) organised Alumni Interaction on July 16, 2019 for Electric Engineering students. Total 6 alumni (3 from 2013-17 batch and 3 from 2017-18 batch) interacted with BTech Sem VII and BTech Sem V students. Topic of interaction was "Competitive Exam and Further Studies".

- EESA organised Orientation for BTech First Year EE students on July 24, 2019. Total 129 first year students participated in this programme and they were given task of designing small electrical/electronic circuits.
- EESA organised ProCB Workshop for BTech Sem III students on September 07, 2019. This workshop aims to teach designing of PCBs. Total 24 students participated.
- EESA organised its annual technical symposium “Scintilla” on September 24, 2019. Various technical activities were conducted for EE department students. A total of 255 students participated.
- Big brother was organised on foundation day ie October 03, 2019 where the children of workers working at construction site of Nirma University were invited and various activities of fun and learning were organised. Total 11 children participated.
- EE Department organised extension activity for ITI Kubernagar students on February 29, 2020 where 28 students with 3 faculty members visited EE Department and took 4 hours lab and lecture session on basic concepts of synchronous machines, electric drives, induction motor control and alternator.

Instrumentation and Control (ISA)

- ISA student’s chapter organised a social event at Apang Manav Mandal, Ahmedabad for physically challenged people on September 07, 2019 and had fun activities for them such as Antakshari, passing the pass games, garba, songs, etc.
- ISA student’s chapter celebrated Diwali at Prakash School, Ahmedabad with mentally challenged students on October 22, 2019.
- ISA Student’s Chapter organised a Blood Stem Cell Donation Drive with DATRI on February 29, 2020 at Nirma University campus. A seminar on “What is Blood Stem Cell and How they can be donated?” was organised. After the seminar the registration process started where the volunteer’s sample were taken from the swab from inside their cheek for HLA typing.

Mechanical Engineering (MESA)

- An expert lecture on "Net Zero Energy Building" by Dr Yash Shukla, Technical Director, CARBSE (Centre for Advanced Research in Building Science and Energy), CEPT University was organised on October 17, 2019. About 50 students of BTech VII Sem and MTech (Thermal Engineering) attended this lecture and learnt concepts of net-zero energy building and recent trends in the field of HVAC.
- QUIZO-2020 - a technical quiz competition among student teams from premier engineering institutes was organised by ASHRAE Western India Chapter on March 07, 2020. Nirma University Team - Darshan Makwana (19MMET03) and Nikunj Sharma (16BME107) won the first runner up prize of Rs 15000/- in this competition.

ISTE

- ISTE Student’s Chapter organised “Freshers Flair” to welcome the undergraduate students into the college. This included the Treasure Hunt, and Talent Show for the newcomers on August 01, 2019.
- Organised IFest, where ten technical events, competitions and activities were held for the students coming from all over Gujarat during October 21-23, 2019.
- Organised a Machine Learning Workshop for the students of Nirma University, in association with Microsoft Student Partner on March 07, 2020.

Invincible Leaders’ League (iL2)

- Invincible Leader’s League organised Non-Technical event “TEDx Talks” on April 06 2019. They hosted 12 esteemed speakers who are stalwarts in their fields, such as Terrence Lewis, Jawed Habib, Nikita Singh, Ramit Tondon, etc.

- Invincible Leaders League organised Groovy and Goofy Talks on April 11, 2019.
- Invincible Leaders League organised Beg, Borrow and Steal on August 2, 2019. Around 100 participants participated from all the 8 institutes of Nirma University.
- E-cell organised an E-Hackathon for the students of Nirma University from May 15-17, 2020. This event targeted people with different interests and aimed to bring them together to work on the best of ideas.

IEEE

- **Smuggle the Puzzle:** An event organised on September 10, 2019 under WIE to promote the qualities of problem-solving, negotiation, riddle solving, and public speaking. Participants were asked to solve a puzzle whose 2-3 pieces were missing and mixed with other student's puzzle.
- **Utkranti - Mind-Controlled Robotics:** The workshop consisted of basic robotics theory along with Arduino controlled line follower. Neurosky devices were demonstrated which could drive a robot depending on the concentration power on September 21-22, 2019. A total of 160 candidates participated.
- **Novus Saker: Look in a new direction:** Participants were given a list of single utility product and they had to transform it using the current technological trends into product of multiple uses on October 03, 2019.
- **Expert Lecture on Threat Analysis and Investigation Techniques in Modern World:** Mr Kirtikumar Anandrao Ramchandani was the speaker for the session of cybersecurity. He highlighted all the threats occurring in the modern world, its detection as well as reporting. He also shared his journey as a bug bounty hunter and how he achieved the title of the youngest researcher. This was organised on November 08, 2019. Total 65 candidates participated.
- **Expert Lecture on Vegetation, Agriculture, Data Fusion and Machine Learning:** Dr Keely Roth was the guest speaker for the session. The session included sensor selection, characterisation of vegetation, data fusion, and application of machine/deep learning on November 13, 2019. A total of 30 candidates participated.

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

- E-cell organised the Entrepreneurial Talk show "Atharva" on August 27, 2019 for the students of Nirma University to foster entrepreneurial drive on campus. The event was attended by more than 400 students from different Institutes of the University.
- E-cell organised one day workshop on "Innovating the scope of Pharmaceutical Industry" on September 07, 2019.
- E-cell organised an interaction session for the newcomers on October 15, 2019 to provide the students an idea about the events organised by the cell.
- E-cell organised campus preliminary round for the Smart India Hackathon on January 18, 2020. This provided an excellent platform to students to solve many existing issues in the current working system, with viable options: the brainchild of technology.
- E-cell organised two days design thinking workshop in association with Gujarat Technology University, Ahmedabad for the students of Idea lab during January 21-22, 2020.
- E-cell organised an online event Ad-wit-tise from March 24, 2020 – April 14, 2020 for the students of all institutes of Nirma University. The 3-week long event aimed to bring out the unique marketing, branding, and advertising skills of the participants.

Foundation Day Celebration (3rd October 2019)

- Students club of the department organised an extension activity on October 03, 2019 as a part of Foundation Day celebration at Institute of Technology for promoting the contribution in community building. Activities organised by the clubs are listed below.

Sr No	Name of the Club	Name of the Department	Type of Activities
1	CHESA	Chemical Engineering	1) We take a lot from society, hence it is our moral and social duty to give something back to the society. On October 03, 2019, on the Foundation Day, students went to "Jeevanti Seva Kendra" to spend some time with the kids studying there. CHESA students tried imparting knowledge in the form of some games. Gifted a set of pencils to the kids. 2). In October 2019, the CHESA representatives spread awareness about ban of single-use plastics on streets of Ahmedabad. Single use plastic is harmful for the ecosystem, does not decompose, many such disadvantages and the government's ban were explained. A poster depicting the same was displayed.
2	OrCES	Civil Engineering	On October 03, 2019, an event named SAFAR was organised by the club in which 57 children from Miroli village were invited to the campus for co-curricular activities and enjoyment. A drawing competition and other activities such as show your talent, campus visit, etc were organised for them.
3	EESA	Electrical Engineering	Big brother was organised on foundation day, October 03, 2019 where the children of workers working at construction site of Nirma University were invited and various activities of fun and learning were organised.
4	AMS	MCA/CSE Department	1) Students of AMS conducted the event 7 Up 7 Down on October 03, 2019. 17 students enjoyed the event by showing their skills. 2) A quiz based on technical and nontechnical topics was organised by AMS on October 03, 2019. Nine teams participated in the event each comprising of 4 members each with a total of 36 students. 3) Two sports events were also organised by the AMS as a part of foundation day. 4 teams comprising of 8 members per team battled off to showcase "their gully cricket" skills. Whereas another sports event "Volley Ball" was played among teams each comprising of 6 students.
	Infocrats	CSE Department	1) Faculty awards were organised based on students voting and members of the department were given different awards on October 03, 2019. 2) A Fun zone was arranged on October 03, 2019, where students and faculty members could play various activities and light-hearted games.
	CSI	CSE Department	Getting Interview Ready: A university level workshop organised on October 3, 2019 to give an insight to the students about getting ready for interviews mentally. The speaker gave a detailed description about how a person's body language and mentality should be while giving an interview. 70 students attended the workshop.
	ACES	CSE Department	Activities such as faculty awards, Foundation Code, Meme Making Competition was organised on Foundation Day.

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 is available three days in a week for personal counselling at the campus.

Placement Services to Students

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. 67.42% of B Tech eligible/appeared students and 34.10 % of PG (M Tech+ MCA) eligible/appeared students of 2020 batch passing out students from Institute of Technology, Nirma University have bagged lucrative offers from reputed recruiters.

136 companies have participated in the current batch placement process. So far the highest pay offered to the 2019-20 batch is about Rs 29.95 lakhs per annum. Average package offered this year is Rs 6.17 lakh per annum. Organisations that visited the campus are from diverse profiles like, IT, Electronics, Telecom, Banking & Financial Services, Consulting, Heavy Engineering, Renewal Energy, Research Development, Chemical, and Design.

Under Graduate-* UG -2020 Pass-out

Branch	Total Number of Students Registered 2019-2020	Total Number of Students Appeared 2019-2020	Total Number of Students Placed (With Multiple Offers) 2019-2020	% of Placement 2019-2020 (Based On Registered Students)	% of Placement 2019-2020 (Based On Appeared Students)
Civil Engineering	99	86	28	28.28	32.56
Chemical Engineering	73	72	50	68.49	69.44
Mechanical Engineering	145	135	67	46.21	49.63
Electrical Engineering	141	133	70	49.65	52.63
Electronics & Communication Engineering	129	126	102	79.07	80.95
Instrumentation Control Engineering	65	64	47	72.31	73.44
Information Technology	130	128	116	89.23	90.63
Computer Engineering	147	143	118	80.27	82.52
* Total	929	887	598	64.37	67.42

Post Graduate - *PG - 2020 Pass-out

Branch	Total Number of Students Registered 2019-2020	Total Number of Students Appeared 2019-2020	Total Number of Students Placed (With Multiple Offers) 2019-2020	% of Placement 2019-2020 (Based On Registered Students)	% of Placement 2019-2020 (Based On Appeared Students)
MCA	69	69	34	49.28	49.28
MTech EPS	17	13	2	11.76	15.38
MTech PEMD	15	9	3	20.00	33.33
MTech CASAD	19	18	3	15.79	16.67
MTech VLSI	19	15	10	52.63	66.67
MTech Communication	15	4	1	6.67	25.00
MTech Thermal Engineering	13	9	0	0.00	0.00
MTech CAD/CAM	18	16	1	5.56	6.25
MTech Design Engineering	19	15	1	5.26	6.67
MTech CSE	18	14	7	38.89	50.00
MTech NT	19	16	3	15.79	18.75
MTech INS	17	10	3	17.65	30.00
MTech Embedded	17	9	6	35.29	66.67
* Total	275	217	74	26.91	34.10

Annual Report of the sports-activities organised during the year 2019-20

Sr No	Event Organised		Duration	No of Participants (Approx.)
1	AbhinNU'19	Cricket Chess Table Tennis	March 2019	45
2	Fresher's Cup 2020	Volley Ball (Boys & Girls) Lawn Tennis (Boys) Chess Badminton Kho-Kho	January 25 - March 2020	495
3	Annual Sports Meet(Athletics Meet)	100 Meter Race (Boys & Girls) 200 Meter Race (Boys & Girls) 400 Meter Race (Boys & Girls) 800 Meter Race (Boys & Girls) 1500 Meter Race (Boys & Girls) Shotput Throw (Boys & Girls) Discus Throw (Boys & Girls)	September 25, 2019 To September 29, 2019	88

		Javelin Throw (Boys & Girls)		
		Long Jump (Boys & Girls)		
		Triple Jump (Boys & Girls)		
		4 x 100 Meter Relay (Boys)		
4	Annual Sports Meet (Team Event)	Cricket (Male)	February 12, 2020 to March 6, 2020	65
		Football (Male)		
		Volleyball (Male & Female)		
		Basketball (Male & Female)		
		Lawn Tennis (Single Male, Single Female, Double Male & Mix)		
		Badminton (Single Male, Single Female, Double Male & Mix)		
		Table Tennis (Single Male & Mix)		
		Chess (Male & Female)		
		Carom (Male & Female)		
		Kho-Kho (Male & Female)		
		Kabaddi (Male & Female)		
5	AbhimaNU 2020	Cricket (Male)	February 28 - March 6, 2020	
		Volleyball (Male)		
		Volleyball (Female)		
		Basketball (Male)		
		Table Tennis (Men Singles)		
		Table Tennis (Female Singles)		
		Table Tennis (Men Doubles)		
		Lawn Tennis (Men Singles)		
		Chess (Mixed)		

Highlights

- Team of students from IT-NU participated in Adani Sports Fest at Adani Institute of Infrastructure Ahmedabad in Cricket and Football and were runner up for Cricket.
- Participated in Inter-University Level Competition of GNLU Sports Fest, Justice League at GNLU Gandhinagar for all the sport events and were winners in Cricket and Runner up for Lawn Tennis.
- Participated in Inter-University Level Competition of PDPU Sports Fest, PetroCup at PDPU Gandhinagar for all the sports events and were runner up for Lawn Tennis, Badminton and Table Tennis (Female), Kho-Kho, Athletics Triple Jump (Female).
- Participated in Inter-University Level Competition of Karnavati University Sports Fest at Karnavati University Gandhinagar and were declared winner for Football event.
- Participated in West Zone (AIU) event for Volley Ball match at R B D Laxminarayana Sports Complex Nagpur.
- Participated in Inter-University Level competition at IIM Sports Fest, Shaurya in all the sports event and were runner up for Chess Lawn Tennis (Male), Badminton and Cricket.
- Participated in Inter-University Level Competition at DAIICT in all the events and were runner up for Volley Ball.
- Participated in the All India Inter University Shooting (Male) Championships at MRIIRS Faridabad.
- Participated in the 5th open Ahmedabad District Shooting Championship at the Ahmedabad District Rifle Association at district level and got 5th rank.

Performance in Sport Activities

Annexure A:

1. Sports Activities

2. Inter University Level

3. Inter Institute level (Annual Sports Events -University Level) - Track Events

4. Inter Institute Level: Annual Sports-Meet Result (University Level)] – Team Events

Incentives to Outstanding Sports Person

- All the winners of Annual Sports Meet are given trophies and certificates for their achievements.
- Certificates and Trophies are given to winners in all the events organized on the campus.
- The students are given full financial assistance to participate in All India Inter University Sports.

Annexure A

Table 1 : Sports Activities

Sr No	Name of Activity	Date & duration	Sports	Organising Club/ Committee	Type of Event	No of Participants	Winner's Name
1	Fresher's Cup	25 January - March 2020	Volley Ball(B&G), Lawn Tennis(B), Chess, Badminton, Kho-Kho	ITNU	Inter – Division of First year BTech	495	Division-wise competition from A-N
2	Adani Sports fest	4 th to 6 th March 2020	Cricket, Football	Adani Institute of Infrastructure, Ahmedabad	Inter-University Sports fest	45	Runner's Up; Cricket
3	GNLU sports fest, Justice League	20-23 February, 2020	Basketball(B), Cricket(B), Badminton(G) Football(B), Lawn Tennis(B&G), Volleyball(B), Long Jump, High Jump, Triple Jump(G)	GNLU, Gandhinagar	Inter-University Sports fest	49	Winners: Cricket Runner's up: Lawn Tennis
4	PDPU sports fest, PetroCup	13-17 February, 2020	Basketball(B), Cricket(B), Kho-Kho(B), Badminton(B), Football(B), Lawn Tennis(B&G), Chess, Kabaddi, Volleyball(B&G), Table Tennis(B), Long Jump, High Jump, Triple Jump(G), 800mtr,600 mtr(B)	PDPU, Gandhinagar	Inter-University Sports fest	71	Runners-up (Lawn-Tennis, Badminton, TT(G),Kho-Kho, Athletics', Triple Jump(G)
5	Karnavati University Sports fest	16 th to 19 th January 2020	Football	Karnavati University, Gandhinagar	Inter-University Sports fest	15	Winner
6	Volley Ball	16-20	Volley-ball (B)	RBD	West Zone	15	Participated

	West Zone(B)	December, 2019		Laxminaray an sports complex, Nagpur	(AIU)		
7	IIM sports fest, Shaurya	21-24 November, 2019	Basketball(B), Cricket(B), Badminton(B), Football(B), Lawn Tennis(B&G), Chess, Volleyball(B&G), Table Tennis(B&G), Long Jump, High Jump, Triple Jump(G)	IIM Ahmedabad	Inter-University Sports fest	75	Chess, Lawn Tennis, Badminton(B), Cricket runners-up
8	DAIICT Concours	07-10 November, 2019	Basketball(B), Cricket(B), Badminton(B), Football(B), Lawn Tennis(B&G), Table tennis (G), Volleyball(B&G)	DAIICT, Gandhinagar	Inter-University Sports fest	75	Volley ball (Runners up)
9	Annual Sports Meet- 19-20	September 2019-March 2020	Track and Field Events	Student Welfare NU	Inter-Institute	100	--
10	AbhimNU'20	28 Feb to 06 March, 2020	Cricket(M), Volleyball(M&F), Basketball (M), TT(M&F), Lawn Tennis, Chess	Student Welfare NU	Inter-University	65	Runner-up: Cricket, Volleyball (M&F), Basketball. Winners: Lawn Tennis(M) and Chess (Mixed)
11	All India Inter University Shooting (M) Championship	12 to 15 November, 2019	Shooting Championship	MRIIRS, Faridabad	All India Inter-University	1	-
12	5 th open Ahmedabad district Shooting Championship	29 and 30 June 2019	Shooting Championship	The Ahmedabad District Rifle Association	District-Level	1	5 th Rank

Result of AbhimaNU 2020 Inter University Sports Fest held from February 28, 2020 to March 6, 2020

Name of Events	University / College	Winner / Runners-up
Cricket (Men)	KSV University, Gandhinagar	Winner
	Nirma University, Ahmedabad	Runners-up
Volleyball (Men)	KSV University, Gandhinagar	Winner
	Nirma University, Ahmedabad	Runners-up
Volleyball (Women)	SAL, University	Winner
	Nirma University, Ahmedabad	Runners-up
Basketball (Men)	St. Xavier's College, Ahmedabad	Winner
	Nirma University, Ahmedabad	Runners-up
Table Tennis (Men Singles)	Shubham Agarwal, GNLU	Winner
Table Tennis (Women Singles)	Tanya Halani, GLS	Winner

Table Tennis (Men Doubles)	Shubham Agarwal & Abhijeet Shekawat, GNLU	Winner
Lawn Tennis (Men Singles)	Dhyen Shah, Nirma University	Winner
Chess (Mixed)	Hetul Shah, Nirma University	Winner

Table 3: Inter-Institute Level

Annual Sports Event Result (University Level) September 2-29, 2019)
Track Events

Event	BOYS				POSITION	GIRLS			
	Participant	Roll No.	UG/ PG	Institute		Participant	Roll No.	UG/ PG	Institute
100 Meter Race	Pranjal Gupta	18BEE089	UG	ITNU	Second				
	Meet Patel	16BME020	UG	ITNU	First	Divya C	17BCH009	UG	ITNU
200 Meter Race	Pranjal Gupta	18BEE089	UG	ITNU	Second				
	Meet Patel	16BME020	UG	ITNU	First				
	Pranjal Gupta	18BEE089	UG	ITNU	Second				
400 Meter Race					Third	Rai Maheevatsa	19J022	UG	ITNU
	Meet Patel	16BME020	UG	ITNU	First				
800 Meter Race					Third	Sejal Jain	18BCH057	UG	ITNU
	Viraj A Patel	19C033	UG	ITNU	First				
					Second				
Shotput Throw Discus Throw					Third	Patel Prinkal J	17BIC035	UG	ITNU
					First	Patel Prinkal J	17BIC035	UG	ITNU
					Second	Patel Prinkal J	17BIC035	UG	ITNU
	Bhensdadiya Kevin P	17BEC019	UG	ITNU	Third				
Long Jump					First	Divya C.	17BCH009	UG	ITNU
	Kaustubh Upadhyay	19J031	UG	ITNU	Second	Agrini Chautrvedi	17BEC005	UG	ITNU
	Bhaukit Baraiya	18BIC009	UG	ITNU	Third				
Triple Jump	Shreyansh Nandania	16BEE009	UG	ITNU	First	Agrini Chautrvedi	17BEC005	UG	ITNU
					Second				
	Nachiket Patel	17BCL058	UG	ITNU	Third				

Table 4: Inter-Institute Level
Annual Sports - Meet Result University Level (October 2019-March 2020)
Team - Events

	Event	Champion		Runner up	
		Name	Institute	Name	Institute
1	Cricket (Male)	K V Sai Akhilesh (17BEC050) Shivam Patel (17BME101) Vedant Brahmbhatt (17BCL024) Mayank Chaudhary (18BCL012) Shikhar Singh (16BCL056) Jayraj Solanki (17BCL115) Keval Bhatt (17BCH005) Laksh Nayak (16BEC130) Harsh Patel (16BCL013) Vishal Kriplani (17BCL164) Harsh (19MMCC09) Sahadev Mehta (19BCL115) Vedang Sadhu (19F071) Vishwadeep Jain (19BCL138) Jay Patel (19K019) Jainam Sanghavi (18BCE208)	ITNU		
2	Football (Male)			Prayag Jani (C) (16BME045) Arjun Shah (VC)(17BME014) Dhruv Panchal (15BEC031) Vimal Patel (16BIC047) Kavish Ganesh (16BCH029) Fagun Parikh (16BCL065) Yash Halani (17BCH063) Mitesh Sompura (16BIC55) Anuj Shah (16BIT017) Aditya Soma (17BEC113) Apindra Singh Parmar (17BME013) Vimal Patel (16BIC047) Aksha Thakkar (17BIT003) Aditya Mahajan (16BEE008) Dhiraj Meena (19I082)	ITNU
3	Volleyball (male)	Vikas Pandey (C) (16BEE120) Vignesh Patel (VC)(17BIC156) Devang Choudhary (16BCL040) Rushi Shukla (16BEE113) Viraj (19C033) Parth (19L058) Dip Patel (17BCL029) Janish (18BEE165) Wasim Alwasi (19N074) Kadivar Mohammad Shohrab (16BEE121) Chaparwal (17BCL119)	ITNU		

4	Volleyball (Female)	Sejal Jain (18BCH057) Prinkal (17BIC035) Hetvi (8BCL174) Esha Patel (19J067) Krupa Lakhani (19J069) Miloni (18BCL161) Rhytham Mehta (19F082) Vedahi (19J038) Priyal (19F005) Pankti Shah (19G073) Tulsi Patel (19J030) Maheevatsa Rai (19J022)	ITNU		
5	Basketball (Male)	Kush Damani (16BIC016)(C) V Varunrajan (17BME115)(VC) Mikail Dadi Bineet Singh (17MCA007) Vineet (18MEEE12) Dhrumil Vadera (17BIC060) Rohan Shah (19N056) Darsh Patel (19K063) Aman Kumar (16BCL019) Hruijulkumar Thumar (18BCE077) Suyash Tiwari (19G078) Piyush Jain (17BIC038) Ayush Jain (17BCE008)	ITNU		
6	Kho-kho (Male)	Nakul Patel (C) (16BCL020) Meet Patel (VC)(16BME020) Jay Purohit (16BME094) Nikunj (17BIC026) Ruchit Patel (17BCH037) Divyang Chaudary (16BCL040) Vishvas Hapani (19F044) Vishu Shah (19A060) Sagar Chovatiya (18BCE203) Jaynil Atodariya (18BCL038) Jash Patel (19L049) Dhruv Patel (19E079)	ITNU		
7	Kabaddi (Male)			Shreyansh Jain (C) Vinod Chaudary (VC) Bhautik Jay Purohit JAY PUROHIT Dhrumil Shekhda Arhan Doshi Jainam Sanghvi Rajat Sharma Madhav Gokalani Shan Pareek Sagar Chovatiya Girirajsingh Chauhan	ITNU
8	Tug of war (Male)			Nakul Patel (C) (16BCL020) Meet Patel (VC)(16BME020) Jay Purohit (16BME094) Nikunj (17BIC026) Ruchit Patel (17BCH037) Divyang Chaudary (16BCL040) Vishvas Hapani (19F044) Vishu Shah (19A060) Sagar Chovatiya (18BCE203) Jaynil Atodariya (18BCL038) Jash Patel (19L049) Dhruv Patel (19E079)	ITNU

9	Lawn Tennis (single - Female)	Nupur Palsana	ITNU		
10	Lawn Tennis (double - Male)	Dhyen Shah Dehit Trivedi	ITNU		
11	Lawn Tennis (mix)	Dehit Trivedi, Nupur Palsana	ITNU		
12	Badminton (single -Male)	Savan Dalsaniya	ITNU		
13	Badminton (single - Female)	Chinar Patel	ITNU		
14	Badminton (double - Male)	Savan Dalsaniya Varun Sharma	ITNU		
15	Badminton (double - Female)	Chinar Patel Richa Agarwal	ITNU		
16	Badminton (mix)	Savan Dalsaniya, Chinar Patel	ITNU		
17	Table Tennis (single - Male)			Abhishek Mehta	ITNU
18	Table Tennis (Doubles)			Ayush Chimpi- Yaksh Desai	ITNU
19	Chess (single - Male)	Naiktik Sanghvi	ITNU		

*Vrutik P Sonara (17BIT111) has participated in “5th open Ahmedabad district Shooting Championship” organised by The Ahmedabad District Rifle Association on 29th and 30th June 2019. He got 5th rank in it.

Alumni Association Activities Supporting Students

Annual General Meeting and Get-together

20th Annual General Meeting and Annual get together of NITAA was held on January 04, 2020 at Nirma University campus. The event received more than 1360 members which include 562 alumni members, 636 accompanying persons with alumni members, 102 faculty and staff members and 60 student performers/volunteers. The meet was presided by Dr R N Patel, Additional Director, SOE, IT-NU and Sr Vice President-NITAA, Dr N P Gajjar (Professor, EC Department).

As a part of Silver Jubilee Year Celebration of Institute of Technology, an alumni meet was held in Bangalore, on October 18, 2019.

NITAA Awards on Foundation Day:

NITAA has given Best Alumni Awards (Department-wise) on the Foundation Day of the Institute of Technology on October 03, 2019. A total of 9 Alumni were awarded. The details are as under:

Sr No.	Department	Name of the Alumni Awardee	Current Designation/Affiliation
1	Chemical Engineering	Mr Vishal Bhavsar	Head – Corporate Sustainability General Manager UltraTech Cement Limited

2	Civil Engineering	Mr Murtuza Kapasi	Senior Vice President, Yes Bank, Mumbai
3	Computer Engineering	Ms Aastha Dangar	Probationary Deputy Collector, Mamlatdar, Kalavad, Jamnagar District
4	Electronics and Communication	Ms Minal Sampat	Sci/Engr-SG, Space Applications Centre, ISRO, Ahmedabad
5	Electrical Engineering	Mr Sameep Desai	Owner, Omega Elevators, Ahmedabad
6	Instrumentation and Control Engineering	Mr Vivek Ganatra	Manager – Techno-Commercial Adani Ports and Special Economic Zone Limited, Ahmedabad
7	Information Technology	Ms Khyati Bhatt	Founder & CEO, Simply Body Talk, Mumbai
8	MCA	Mr Dhruv Sharma	Education Coach, XSEED Education
9	Mechanical Engineering	Mr Pilak Shah	i) Whole time director - Harsha Engineers Limited, Ahmedabad ii) Currently on the Boards of :- Harsha Abakus Solar Private Limited Aastha Tools Private Limited Harsha Renewable Energy Private Ltd Elite Conductors Private Limited Harsha Engineering Components (Changshu) Co Ltd, China Harsha Precision Bearing Components (China) Co Ltd, China Harsha Engineers BV, Netherland Harsha Engineers SRL, Romania Johnshon Metall SA, Romania

NITAA Scholarship

In the current financial year 2019-20, NITAA scholarship was renewed for 18 students of BTech and MCA (based on merit). The scholarship will be continued in the subsequent years of graduation study if the student fulfils the required criteria laid down by the NITAA.

Renewal of NITAA Scholarship for Year 2019-20

List of Students

Sr No	Roll No	Name of Student	PPI
1	16BCH023	Harshit Singh Rajawat	8.0
2	16BIT019	Apurv Jain	8.76
3	16BIT051	Memon Faizan Fakruddin	8.36
4	16BEE065	Ujjawal Deshwal	7.99
5	16BEC073	Karan Shah	7.82
6	16BEC076	Naman Khandelwal	8.67
7	16BCL117	Harshad P. Jadav	7.90
8	17MCA023	Kukadiya Sagar Kanubhai	9.69
9	17BIT041	Chhatwani Kunal Gopal	8.28
10	17BEC064	Patel Deep	7.73
11	17BCH047	Shankhesh Sanjay Nahta	8.19
12	17BEC073	Praveen Kukreja	8.15
13	17BIT002	Darshan Agarwal	8.60
14	18BEC038	Helly Mehul Champaneri	8.86

15	18BCH027	Keyurkumar S Patel	8.06
16	18BME037	Shivoham Rajkumar Goel	8.91
17	18BCE191	Rajatkumar Patel	8.71
18	18MCA009	Hadiya Yagnesh Pragajibhai	9.12

Alumni Association activities supporting students

NITAA is rigorously arranging expert lectures, seminars and interactions with the help of Alumni members for the students. Alumni members also help in arranging student trainings, projects and placements. Various Alumni experts are invited from research Institutes, government organisations, industries and from well-known Universities for sharing their expertise and experiences. This will help the students to gain something beyond their classroom teaching. Few alumni members are also part of the Management Boards, like Board of Studies of each department.

NITAA Activities at Department level

Department	Type of activity	Date	Brief of the activity
Computer Science & Engineering	Expert Lecture	April 01, 2019	An expert lecture was conducted for the students of BTech Final Year (CE/IT) and MCA Third year on "Machine Learning as career" by Alumnus Mr Dhaval Mehta. He is working as QA Lead at Apttus Inc, Ahmedabad. In his lecture he focused more on various practical applications of Machine Learning.
	Visit and interaction	April 03, 2019	Alumnus Mr Apoorva Vyas, Director, Yooshin Engineering Corporation (South Korea based construction company), Gurgaon, along with Mr Kwansoo Lee Senior Managing Director, Yooshin Engineering Corporation, Seoul, visited Civil engineering department and interacted with senior faculty members.
	Expert Lecture	April 15, 2019	An expert lecture was conducted for the students of MCA (Semester-IV), BTech Final Year (CE/IT) on "An Introduction to Hibernate and Spring MVC Framework" by Alumnus Mr Mahesh Lalwani. Mr Mahesh is working as Senior Engineer, Maxim Integrated India Private Limited. The talk was useful for the students who has chosen Advance Java Technologies and Java Technologies subject in the elective group of respective branches. In his talk he gave practical examples of how to code and use the different framework available for making good real life projects. Total 94 students of different branches (CE/IT/MCA) were benefited from it.
	Jury Member for poster presentation	May 17, 2019	Alumnus Mrs Avani Patel, Sr. Manager, Infinite Solution Private Limited was invited as jury member for poster presentation of MTech Fourth Semester students.
	Expert Talk	September 19, 2019	An Expert Talk by Alumnus Mr Smit Ghelani was conducted for the students of BTech 7 th Semester IT on the topic "How to Start a Start up in India? - a way ahead". In his talk he shared his experiences and discussed about "Start-up INDIA", flagship initiative of the Government of India, intended to build a strong

			eco-system for nurturing innovation and Start-ups in the Country. He is the business owner of Shree Dhan Laxmi Chemicals and Shree Bhavani Iodates, Ahmedabad.
	Expert Talk	September 23, 2019	An Expert Talk by alumnus Mr Jayvirsinh Zala was conducted for the students of 5 th Semester of B Tech Computer Engineering on the topic "Civil Services". He had cleared GPSC with all Gujarat 11 th Rank and got selected as a Deputy Superintendent of Police. He briefed them about what Civil Services is, opportunities, how to approach it, different exams that can be given, the examination pattern and the selection procedure.
	Expert Talk	October 03, 2019	An alumni talk on "Future of Social Sector and Impact of IT in social sector" was conducted by Alumnus Mr Dhruv Sharma who is working in XSEED Education, Pune. He gave insights on employment opportunities in social and educational fields. He further discussed various software development requirements with security issues for making such social sector software. The talk was useful in courses like Software Engineering and Computer Security and Cyber Laws of MCA Sem V.
	Talk	October, 21 2019	An alumni talk was conducted by Alumnus Mr Anand Padiya for MCA Semester-V students on GIT Version Control System. Mr Anand Padiya is working in Ajmera Infotech. He gave insights of GIT used as version control system to the students of MCA-V
	Expert Lecture	February 13, 2020	An expert lecture on "Industry Trends in Data Science" was conducted for the students of 2 nd Semester MTech CSE by alumnus Mr Harshal Trivedi, Director, SOFTVAN, Ahmedabad.
	Expert Lecture	February 25, 2020	An expert lecture on "How to crack Ivy League Colleges " was arranged for the students of 6 th semester CE and IT by alumnus Mr Sahil Shah. Mr Sahil Shah is working in Google as Software Development Engineer, San Francisco Bay Area. He also shared his experiences towards his journey to Google.
Civil Engineering	Visit and interaction	May 15, 2019	Alumnus Mr Jigar Mokani, Jr Structural Engineer at RECI engineering visited the department and interacted with the faculty members of Civil Engineering department.
	Expert Lecture	September 12, 2019	Alumnus Mr Anushrav Bhatt, Arbitrator of Nirntar Group delivered expert lecture on Arbitration Act and other regulations for semester VII students. He has discussed about various aspects of arbitration, reasons of arbitration, involvement of judiciary in arbitration. He also discussed about arbitration act.
	Teaching Session (fractional courses)	August 13, 2019 September 07, 2019 September 21, 2019 October	Alumnus Ms Megha Bhatt, Principal Associates - Electra Techno Consultant & Associates-MEPF Consultant was invited to conduct a teaching of four sessions. She has expertise in the field of Design of Plumbing System (Water supply, drainage and storm water disposal) and Construction Management for Plumbing system. This course put emphasize on

		19, 2019	learning about the important aspects plumbing and fire-fighting services design for advanced building for the students of BTech Civil Engineering.
	Visit	October 19, 2019	Alumnus Mr Utsav Shah, owner of Ducon Consultants, Ahmedabad visited the department and had a discussion with the senior faculty members for exploring the possibilities of inviting Dr Richard Sharpe, a renowned structural consultant from New Zealand.
	Expert Lecture	March 12, 2020	Alumnus Mr Harishchandra Jakhmola, delivered an expert lecture for Sem IV students on Good Construction Practices. He is working as GM in Kalpataru Power and Transmission Limited. He has shared his experience in L&T ECC and Kalpataru Power and Transmission Ltd about various good construction practices that are practiced on site and about construction of a RCC Chimney using slip form technique.
Mechanical Engineering	Expert to review Final Project	May 15, 2019	Alumnus Mr Amar Patel was invited as an expert for reviewing of BTech final year students' project.
	Expert to review Final Project	May 16, 2019	Alumnus Mr Bhavin Dabhi was invited as an expert for reviewing of BTech final year students' project.
	Expert to review Final Project	May 16, 2019	Alumnus Mr Shriraj Modi was invited as an expert for reviewing of BTech final year student's project.
	Expert to review Final Project	May 17, 2019	Alumnus Mr Nitin Goriya was invited as an expert for reviewing of BTech final year students' project.
	Guidance Seminar	September 09, 2019	Alumnus Mr Harsh Dapkawala conducted a guidance seminar on "How to prepare for placements and fulfil its requirements" for BTech seventh semester students.
	Expert Talk	September 25, 2019	Alumnus Mr Bhavin Dabhi, Founder, Universal Design & Innovation Lab, Rajkot delivered an expert talk for MTech (CAD/CAM) Sem.-I and BTech Sem-VII students.
	Felicitation	October 03, 2019	Alumnus Mr Pilak Shah-Manager, Harsha Engineers was facilitated on foundation day function.
	Donated a Snake Robot	October 05, 2019	Alumnus Mr Divyanshu Sahu donated a Snake Robot, useful to the students in study/project/research activities. During the Silver Jubilee year celebration we appreciated the contributions from our Alumni for the Institute and the society.
	Gifted GPU based Cluster	July 15, 2019	Alumnus Mr Amar Patel has gifted GPU based cluster to the Department as a gesture symbolising his gratitude as an alumnus. The cluster is useful to the BTech, MTech and PhD students in enhanced learning and computing.
	Attended BoS	February 07, 2020	Alumnus Mr Nirmal Kachariya attended Board of Studies Meeting for finalising the course curriculum of BTech and MTech students.
	Expert Talk	February 15, 2020	Alumnus Mr Amar Patel, Managing Partner, Buttercup, (A Cupcake Shoppe), Ahmedabad has delivered an expert talk to BTech Semester II

			(Mechanical Engineering) students on the topic “Scope and opportunity for Mechanical Engineers and the Industrial Expectations”.
Chemical Engineering	Visit	July 26, 2019	Alumnus Mr Hrishikesh Pandya graced the department with his presence. He provided valuable information about the refineries, its overview and the delayed Coker basics.
	Visit and interaction	July 26, 2019	Alumnus Mr Karan Shah visited the department and had an interaction with the 3 rd Semester students. He made students aware of the thinking pattern of people and students in abroad, tried to cultivate business ideas in the young minds. He made students aware about the fact that the need to update ourselves with the latest trends and continuously learn from the life.
	Expert Lecture	July 31, 2019	Alumnus Mr YVNS Suvikram, Technical Manager, Ammonia-IV Plant, GSFC Baroda delivered an expert lecture on “Trips and interlocks” for fifth and seventh semester students.
	Visit	July 29, 2019	Alumnus Mr Meet Shah visited the department and had an interaction with the 3 rd Semester students. Meet Shah completed his Bachelors in Chemical Engineering from Institute of Technology, and got placed in Thermax Global through Campus Placements.
	Expert Lecture	August 14, 2019	Alumnus Mr Parth Solanki, Engineer at Reliance Industries addressed budding engineers about the working of furnaces and control systems required for ensuring safety of the plant. He delivered a presentation on working mechanism of furnaces by starting with the very basics of heat transfer operations. He also addressed on general expectations out of an engineer and stressed upon good and effective communication, follow-up practices, etc.
	96-Batch Reunion	September 30, 2019	As a part of the Silver Jubilee Celebration, the students of Chemical Engineering department got the opportunity to interact with the alumni of '96 batch. The alumni interacted with the students and faculty members of the department.
	98-Batch Reunion	November 05, 2019	As a part of the Silver Jubilee Celebration, the students of Chemical Engineering department got the opportunity to interact with the alumni of '98 batch. Having vast experience in diversified fields, they shared their journey which began after pursuing their bachelors. They provided valuable insights related to industries, latest research fields and guidelines for placement interviews.
	Visit and Interaction	January 02, 2020	Alumnus Ms Misha Patel visited the campus and had an interaction with the 4 th and 6 th Semester students of Chemical Engineering Department. She enlightened the students about the scope of a Chemical Engineer as a Food Scientist. She is working as a Food Scientist in a well-established company named Blue Marble.
	Interactive Session	January 03, 2020	Alumnus Mr Rachit Oza interacted with the students of semester 4 th and 6 th of Chemical Engineering. He is a Detail-Oriented Project Management professional with hands-on experience in process engineering, equipment

			sizing, and new process and technology development. His topic was the journey from an idea to a start-up.
	Visit and Interaction	January 30, 2020	Alumnus Mr Harshit Goyal, Senior Engineer, Galaxy Surfactant visited the campus and interacted with the fourth semester students.
	Visit and Interaction	January 30, 2020	Alumnus Mr Prasann Patel, Process Safety Engineer, JOGI SafeTech Pvt, Surat visited the campus and interacted with the fourth semester students on Safety in Chemical Industries.
	Interactive Session	February 07, 2020	Organised an Alumni Interaction for the students BTech semester 4 th and 6 th . The alumnus Mr Arjun Bhardwaj is working as Head of Performance Excellence for Fonterra's Manufacturing Division. His field of work includes reducing the cost of goods sold by improving productivity, operational efficiency, reducing losses and wastes, optimising labour and ultimately increasing the bottom-line and profitability of the Co-Operative.
	Expert Talk	March 04, 2020	Alumnus Mr Sanket Gohil, Country Manager, Microdyn Nadir Singapore Pvt Ltd was invited to deliver an expert talk on "Membrane technologies" during ChemFusion 2020.
Instrumentation and Control Engineering	Expert Talk	October 17, 2019	Under the Auspicious year of Silver Jubilee celebration, IC department organised an expert talk of Alumnus Mr Niraj Shah. He was a first batch student of IC department. He is the owner of Automation and Robotics Engineer, Arihant Satiare. He inspired the students of 3 rd semester regarding Future Technologies.
	Expert Talk	November 06, 2019	An expert talk by Alumnus Mr Divyesh Patel was arranged for the 5 th semester BTech IC students. He is working as R&D Engineer, Dover India Innovation Centre at Bangalore. He explained about the R & D prospects about Labview.
Electronics and Communication Engineering	Research Talk	May 03, 2019	A research talk on Deep Learning and its application in robotics by alumnus Mr Samarth Bhrambhatt was arranged for the faculty members of EC/IC/CSE departments.
	Expert Talk	August 14, 2019	Alumnus Mr Jatan Pathak, pursuing MTech in Cyber Security from Gujarat Forensic Science University (GFSU), Gandhinagar, addressed students of 7 th semester and discussed the role of EC Engineers as a Cyber Security Expert.
	Interactive Session	August 27, 2019	Alumnus Mr Lay Adalja interacted with students of BTech Sem 3 and shared tips about what kind of projects/courses they can do in their forthcoming semesters to make themselves industry ready.
	Interactive Session	August 28, 2019	Alumnus Mr Dhaval Gajjar interacted with students of BTech Sem 7 and gave them tips about preparations for their placement activities.
	Expert Talk	September 13, 2019	An expert talk of Alumnus Mr Vishal Mehta was arranged for the 7 th semester BTech EC students in elective course of Image Processing. He explained about the Image Processing concepts used in Industry.
	Interactive Session	September 16, 2019	An alumni interaction session with Alumnus Mr Ameya Harshey with 5 th semester students about MBA

			programme in Big Data Analytics and competitive exam to get the admission for the same. He motivated the students about online course like Python, R-Programming etc.
	Visit and Interaction	September 18, 2019	Alumnus Mr Rohan Garg visited the EC department. He is a founder member of ICE GATE Academy and has recently started a venture called 'Gateflix'. Mr Rohan interacted with students of semester 5 students.
	Mock interview session	September 21, 2019	To boost the confidence to face the interview of a final year students, a mock interview session and interaction with the corporate interviewer was arranged. Alumnus Mr Siddharth Mistry, Founder, Teq Dignit, Ahmedabad conducted the session. More than 30 students of final year BTech. EC attended in the session.
	Interactive Session	November 28, 2019	Alumnus Mr Tejendra Indrodia interacted with students of BTech Sem 7 and shared tips about settling down their career goals and his experience of doing MS in Australia and job opportunities in Australia.
	Interactive Session	November 29, 2019	Interactive session with Alumnus Mr Bhargav Baldaniya was arranged. He has his own start-up on google cloud services based client Solution Company named Shree- Infosystem, Surat with 107 employees. Interacting with the students he advised his juniors to emphasise on Practical Knowledge, Learning during Experiments and making projects and hands-on Trainings.
	Meeting with Alumni working at SAC-ISRO	January 07, 2020	A meeting of the faculty members of the department of Electronics & Communication Engineering with the passed out students working in SAC, ISRO, Ahmedabad was held at SAC-Ahmedabad campus. The meeting was attended by six senior faculty members of the EC department and thirteen Scientists of SAC-ISRO. The agenda of the meeting was to explore the possibility of involving passed out students working at different levels in SAC in academic-related activities of the department and get the benefits of their expertise.
Electrical Engineering	Interactive Session	July 16, 2019	Alumni Mr Abhay Gandhi, Ms Kriti Agrawal, Mr Prem Shah, Mr Dakshesh Chaudhary, Mr Deepak Agrawal and Mr Tejaswi Nema interacted with students of BTech (EE-Sem V & VII). The topic of interaction was on "Necessary Preparation Tips for Competitive Exams & Further Studies."
	Interactive Session	July 04-05, 2019	Alumnus Dr Darshit Shah, PhD Scholar from Missouri University of Science and Technology, interacted with participants of STTP "Application of Software Resources in Electrical Engineering" conducted by Electrical Engineering Department, under the auspices of the Centre for Quality Assurance and Academic Development (CQAAD). The topic of interaction was related to usage of PSCAD for various applications in Electrical Engineering.
	Interactive Session	August 09, 2019	Alumnus Ms Misree Vachhani, Assistant Manager- Offer Marketing, Schneider Electric India Private Ltd, interacted with students of BTech (EE-Sem VII). The

			topic of interaction was on “Industry trends and expectations, various career and study options.”
	Interactive Session	September 06, 2019	Alumnus Mr Vaibhav Pagedar, Consultant, Renoir Management Consulting, interacted with students of BTech (EE-Sem VII). The topic of interaction was on “Soft Skills for Placement Interview and Professional Career.”
	Interactive Session	October 12, 2019	As a part of the Silver Jubilee Celebration, the students of Electrical Engineering Department got the opportunity to interact with the alumni of 2011-2015 batch. The alumni interacted with the faculty members of the department. The alumni meet was conducted in order to reconnect with the Alumni and celebrate their success and various achievements.
	Meditation Workshop on “Health and Happiness”	February 15, 2020	Electrical Engineering Department organised the Meditation Workshop on account of Silver Jubilee Celebration of Institute of Technology. The workshop was conducted by Alumnus Ms Akanksha Desai. The event started with the power point presentation on connection of mental health and physical health. She discussed about the various dimensions of wellness like physical, intellectual, emotional and interpersonal. She also highlighted the importance of exercise and meditation in day to day life. A brief meditation session was there for relaxing the mind.

Major Achievements of Alumni:

Civil Engineering

Following four Alumni members got selected in GPSC Class 1 for the post of Executive Engineer in Road and Building Department and Kalpsar Department, Govt of Gujarat:

Ms Rashika Kapil
Mr Rahul Upadhyay
Mr Bhavesh Pethani
Mr Shrayash Hardya

Mechanical Engineering

Mr Darshan Jariwala has recently completed MBA from IIM- Ahmedabad.

Mr Vivek Patel has got admission as Postdoctoral Research Fellow at Northwestern Polytechnic University, Xi'an City, Shaanxi, China.

Mr Tejas Patel, 2017 pass out alumnus has got the admission at Michigan State University, East Lansing, mi, USA. Currently he is working as Graduate Research Assistant.

Mr Malay Vyas, May 2019 pass out has got the admission in PhD at IIT Gandhinagar.

**Institute
of
Management**

Institute of Management

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Institute of Management

Outstanding Achievements and Important Activities

Master of Business Administration Programme of Institute of Management was accredited by the National Board of Accreditation for a period of three years from 2019 upto June 30, 2022.

Institute of Management, Nirma University has again been empaneled with Competition Commission of India till 2022. Two faculty members viz. Prof Samik Shome and Prof Jayesh Aagja will be working on Competition assessment of sectors assigned by the CCI.

Institute Ranking

The Institute of Management has established itself as one of the leading B-schools in the country.

During the Academic year 2019-20 the rankings of the Institute are as follows:

1. Institute of Management has been ranked 44th overall Best B-School by the National Institutional Ranking Framework (NIRF) in 2020 by the Ministry of HRD, Government of India.
2. Ranked 6th in the A1 category by Business Standard and published in December 2019.
3. Ranked 9th Best B-School among Top Private B-Schools in India by CSR-GHRDC B-School Survey and published in Competition Success Review, November, 2019 issue.
4. Ranked as the 27th Best B-School overall and 12th among Top Private B-Schools in India by The Week published in November 2019.
5. Ranked 34th Best B-School pan India and published in Business Today in November 2019.

Executive Diploma Award Ceremony 2019

The Executive Diploma Award Ceremony of 20th Batch (EDP 2018-19) was held on December 01, 2019 at Institute of Management, Nirma University. Mr Ashutosh Gupta, State Head, Gujarat, BPCL was the chief guest on the occasion. This year, the 'Executive Diploma' was awarded to 60 participants (28 in Operations Management, 17 in Finance and 15 in Marketing).

Conference

NICOM-2020

The 23rd Nirma International Conference on Management (NICOM) was organised by the Institute of Management, Nirma University (IMNU) during January 3-5, 2020. The central theme of the conference was "Marketing Landscape: Change in the Making". This year, the Conference had academicians and practitioners from India and abroad, presenting their research on as many as 50 sub themes like *Neuro Marketing*, *Pricing Strategy*, *Brand Management*, *Marketing Research and Analytics*, *Retail Marketing*, *Consumer Behaviour* to name a few. Indian Oil Corporation Limited was the lead sponsor of NICOM-2020 followed by Johnson control – Hitachi Air Conditioning Indian Limited and Erhardt and Leirmer (India) Private Limited. The chief guest for the inaugural session was Mr Santosh Desai, MD & CEO, Future brands and the chief guest for the valedictory session was Mr Nitin Parekh, CFO, Zydus Cadila. The inaugural function was also graced by Padma Shri Dr Karsanbhai K Patel, President, Nirma University. Six plenary sessions were also arranged during which prominent personalities from the industry and academia addressed the audience on various topics.

In total, 192 abstracts and 87 full papers were received from India and abroad. The papers were sent for two rounds of blind review by two independent committees consisting of faculty members from Institute of Management, Nirma University. Based on their feedback, two volumes of books were published containing 52 papers were published in two volumes of books namely “Customer, Competition & Marketing Strategy” and “Innovations in Marketing”, which are published by Excel India Publishers. 24 track sessions spread across three days comprising of 120 presentations which included the six main themes as Managing customers and competition, Marketing and Strategy, Managing business value chain, Technology and Innovations in Marketing, Contemporary Issues in Marketing and Cross Functional Issues in Marketing. NICOM-2020 also tied up with Journal of Business and Management, indexed in EBSCO and ABDC list (C Category), for a special issue on “Customer Centricity: Transforming Business Practices” to be published after the conference.

In addition, six plenary sessions took place in which Mr Pradeep Poddar, Director Monsanto; Mr Yatish Mehrishi, COO – Radio Mirchi; Mr Vijay Parthasarathi, CEO – InTouch Consulting; Mr Maharana Ray, VP – Probiking , BAJAJ Auto Ltd; Mr Puneet Avasthi- Senior Executive Officer – Kantar; Ms Rutu Mody Kamdar, Founder – Jigsaw Brand Consultants; Mr R Balasubramanian, an International Healthcare Expert shared their marketing insights.

ANVESH 2019: Doctoral Research Conference in Management

Institute of Management, Nirma University organised 15th Doctoral Research Conference in Management – ANVESH on April 5-6, 2019. The chief guest of the inaugural session was Dr Vijaya Sherry Chand, Professor IIM-A, Ravi J Matthai Centre for Educational Innovation. Dr Anup K Singh, Director General, Nirma University gave the presidential address. The event consisted of three tracks and a workshop. Dr Vidyut Joshi, Former Vice-Chancellor, Bhavnagar University gave the valedictory speech and concluded ANVESH 2019.

ANVESH is an annual event of IMNU. This initiative has been bringing together the researchers pursuing the doctoral programme to share their research ideas, every year. This year ANVESH received 87 abstracts and 47 full papers from all over the country. The conference also consists of workshops on research related topics by national and international experts. It also has research clinics which are arranged for the participants who are at an advanced stage of research. These clinics involve interaction with experts and thereby help in solving problems faced by the research scholars.

9th Annual Conference on Quality Management

The American Society for Quality (ASQ) Ahmedabad Local Member Community (LMC) and Institute of Management, Nirma University jointly organized the 9th Annual Conference on Quality Management on November 22-23, 2019 at Nirma University attended by 250+ participants mainly executives from industry. The theme of the conference was “*Challenge the Change through Quality and Innovation*”. The Conference was organized with the Association Partnerships of “Vadodara Innovation Council”, which is an extended arm of the National Innovation Council of Govt. of India; “Rajkot Management Association”, one of the most vibrant city-based associations of the All India Management Association (AIMA); and “Project Management Institute (PMI)” Mumbai Chapter, PMI is the world's leading not-for-profit professional membership association for the project management profession. Mr R B Jagyasi, Chief Operating Officer, Milacron India was the Chief Guest; and Mr Mirkhusal Aga, Director & Head, Western Region, ASQ South Asia was the Guest of Honour. The welcome address was delivered by Prof Rajesh K Jain, Chair, ASQ LMC Ahmedabad. A book on “Quality & Innovation” was unveiled during the Inaugural Session. All the participants were taken to the “Seeing is Believing” Plant visits to various nearby plants of leading

manufacturers. The Conference witnessed 34 Live Case Studies presentation besides Panel Discussion and Plenary Session by top executives of the Industry. Panel Discussion on “Managing Turbulent times through Quality and Innovation” included panelist as Mr Madhu Madhavan, Founder & CEO, QSUTRA; Mr Sanjay Jain, President, Amneal; Mr Chetan Kothari, Chairman & IPP, RMA; Mr Anand Misra, GM, Ford India; Mr Brijesh Shah, Delivery Head, SPEC India; and Mr Kaushal Mehta, VP, RIL as Moderator. Ford India, Lupin Ltd and Global Indian International School were declared as the 2019 winners in the best case studies presentations.

Conclaves

Utkrishta’19 – Management Conclave

Utkrishta 2019, the Management Conclave of Institute of Management, Nirma University was organised on 30-31st of August by five prominent clubs of IMNU namely: Niche – the Marketing Club, Imprintz – the HR Club, Clique- the IT Club, Optimus – the Operations Club and Finesse – the Finance Club of IMNU. The theme of the conclave was “Managing Organisations in the Era of Transformations”. The current business environment is witnessing a shift in management paradigms. Digital technologies and changing environmental, social and governance conditions are transforming the businesses. Any change brings multiple opportunities but also lays unforeseen challenges and not all transformations see the shine of the day. This conclave was broadly aimed at taking up a wide variety of issues related to business transformations and bringing diverse perspectives to the transformations including “Sustainable Development Goals, Business Beyond Boundaries, Evolving Business models and Disruptive Technologies” with focused yet free-wheeling opinions and discussions. Accordingly, the conclave was divided into four plenary sessions across the span of two days.

The inaugural address was delivered by the Chief Guest Mr Pankaj Tibak, Head- Gujarat State, Federation of Indian Chambers of Commerce and Industry (FICCI). “People who don’t change become obsolete” with this he really surmised the theme of the conclave.

The first plenary session was on the theme “Sustainable Development Goals.” The esteemed panelists for the sessions were Mr Avinash C Chaturvedi, Ex Director, NTPC (Retd), Captain Anil Kishore Singh, Chief Executive Officer- Inland Waterways, Adani Logistics Limited; Mr Satyashankar Mahaparta, Senior Vice President- Risk and Analytics, Barclays Investment Bank; and Mr Abhay Saxena, Associate Vice President- HR &TQM, Hero Corporate Services. They provided insights into operating modalities of the sustainable framework.

The second Plenary Session was on the theme “Business Beyond Boundaries.” The eminent panelists for the sessions were Mr Pankaj Kumar, Vice President- Commercial, Gujarat Heavy Chemical Limited (GHCL); Mr Pavan Singh, Marketing Head- Core dairy products, Deputy General Manager (Marketing), GCMF Limited (Amul); Mr Paresh Gupta, Founder and CEO, Global Centre for Entrepreneurship & Commerce (GCEC), Brand ambassador Rajasthan Government Youth and sports activities, Brand ambassador Rajasthan tax practitioner Association; and Mr Amit Chhabra, Senior General Manager- OEM Business Development, Shell India Lubricants. Describing the world as a market place, they gave insights into connecting and leveraging untapped pockets of knowledge around the world.

The third plenary session was on the theme “Evolving Business Models”. The honorable panelists were Mr Nagdev Bindiganavale, Co-Founder- Centre for Transformational Leadership, TISSAA. Mr Gaurav Perti, Co-Chief Executive Officer- 1 Pay, Chief Executive Officer -1 Credit ; Mr Varun Chugh, Master Black Belt & Innovation Leader, Novartis and Ms Ragini Rao, Head- HR Business Partner, Space Matrix. They emphasised on evolving business models as an important aspect of

company's innovation strategy and shared their views on how disruptive models have changed the traditional ways of doing the business.

The fourth plenary Session was on the theme “Disruptive Technologies”. The distinguished panelists were Mr Nalin Bansal, Head Rupay- NCMC & NFS; Mr Nitin Nair, General Manager- Connected Cars, Nissan Motor Corporation; Mr Himanshu Perwal, Vice President- Growth, Ixigo.com and, Ms Mehjabeen Taj Aalam, Head- Information Technology, Muthoot Homefin (India) Ltd. They deliberated on evolutionary and revolutionary technologies and emphasised on adoption of technological advancements in order to stand out in the era of digitisation.

The conclave ended with the valedictory address on changing role of human resource in the era of transformations.

During the course of 2 days, the conclave hosted 18 speakers from various esteemed organisations across 4 panel discussions with the coverage of various industries like energy, banking, financial services, FMCG, Pharmaceuticals, logistics, electronics, automobile, IT, consultancy, chemicals and e-commerce driven start-ups.

Pragaman 4.0 - The Entrepreneurship Conclave

Pragaman 4.0 2019, the Entrepreneurship Conclave of Institute of Management, Nirma University was organised by Swayam, the Entrepreneurship Club of IMNU on 12th December, 2019 with the theme, “Emanating Entrepreneurship Ethos – Yardstick of Success”.

The inaugural address was delivered by Shri Yaduvendra Mathur, Ex-Special Secretary, NITI Aayog. Ex-Chairman & MD, EXIM Bank of India. He began the session with the thought, “Future is best when you create it.” Following the first address, the second session was by Mr Vivek Kapoor, Co-Founder of Dineout. He began the session by giving an entrepreneurship angle to the theme of the conclave. He spoke about how Dineout grew to be a company that builds technology for restaurants and not just facilitates table reservations for diners.

Commencing the next session, which was a Talk Show, Mr Dharamveer Singh Chouhan, Co-founder, Zostel discussed about various problems an entrepreneur faces on a daily basis, while sharing various personal examples. He talked about Zostel as a firm from its genesis to what it is today.

The fourth session was a panel discussion. Speakers included, Mr Aasit Shah, MD- eQuinox; Mr Darayus Mehta, Marketing and Ecommerce Head, Beardo; Mr Sameer Sinha, MD- Savvy group; and Mr Ruchir Joshi, Founder Momoman.

The last session was delivered by Miss Deepshikha Kumar Anand, Founder SpeakIn, FICCI, author.

AAROHAN, BBA Conclave 2019

BADLAV-2019 was the fifth edition in the series of AAROHAN- The BBA Conclave held during December 20-21, 2019. Mr Abbey Rodrigues (Sales President, Cera Sanitaryware Ltd), the Chief Guest inaugurated the event. The guest for the valedictory session was Mr Satish Manchikanti (Social Entrepreneur).

Aarohan is a platform where speakers across several domains come together and transpire students with umpteen opportunities lying in front of them. They with their experience in their respective professions try to connect the dots of their life and teach students some important life-lessons.

The two-day event was an evidence of a remarkable revolution that tried to influence the students of BBA to wait and ponder upon their deeds and bring a change in their lives that they had waited for a long time. It would not be wrong to highlight here that a lot of them were TEDx Speakers and the audience encouraged the speakers by interactive Q/A's. Also, one of our dignitaries, Mr Mohammed Ali Shah (Actor, Defence Expert) received standing ovations twice, one being during the session. There were many other dignitaries too who received standing ovations like Mr Animesh Bhatt (Editor, Times of India), and Mr Neelakantha Bhanu (The Human Calculator); to name few.

Other dignitaries included Ms Ankita Shrivastava (International Athlete), Mr Satish Manchikanti (Social Entrepreneur), Mr Ashim Babbar (CEO, Toyo Springs Ltd), Mr Abbey Rodrigues (Sales President, Cera Sanitaryware Ltd), and Mr Arijit Bhattacharyya (Founder, virtualinfo.com).

Pratidhwani - The Alumni Conclave 2020

The 7th Alumni Conclave of the Institute of Management, Nirma University was held on 1st February, 2020. The Alumni Conclave is a platform where alumni from different sectors share their views on a common topic from the perspective of their respective fields. The conclave is a medium for strengthening the bond between the alma mater and its alumni base. It also provides a wonderful opportunity for students to gain practical business knowledge by interacting with the alumni and learning from their rich experiences. Through the conclave, the institute encourages industry interaction and prepares its students for the grueling corporate world. The theme for Pratidhwani, 2020 was "The Road Not Taken". There were 12 alumni speakers from different batches and programmes who shared their experiences and insights on the theme.

The structure for the conclave was panel-based comprising 6 panels – IT & Consulting, Marketing, Finance, Operations, Entrepreneurship and Human Resource. The Entrepreneurship Panel's discussion began with Ms Akanksha Bumb, Founder & COO, F5 Escape. The next speaker was Mr Anurag Kabra, Co-Founder, Madanmohan Govindlal followed by Mr Dhruvil Patel, Director, BPC Projects.

Mr Abbey Thomas, Associate Director, Kellogg Company was the first speaker in the Marketing Panel. Mr Anubhav Sood, Client Relationship Manager, Amazon Internet Services was the next speaker.

The first speaker for the Operations Panel was Ms Charul Mehta, Lead Business Analyst, CGL. The second speaker was Mr Manu Pratap Solanki, IT Innovation Manager, HUL. The next session was delivered by Mr Rajesh Hudda, Sintex Industries.

The speaker for the IT Panel was Mr Parth Das, Associate Director, SAP. The speaker for the Finance Panel was Ms Priyatna Basu who was associated with Yes Bank as the Vice President for about 4 years.

First speaker for the HR Panel was Ms Aastha Tatia, alumnus from the batch of 2006, has over 9 years of corporate experience in Dubai, Mumbai and Jaipur in the areas of Product Management and Sales. The last speaker was Mr Thomas Mampilly, HR Business Partner, Wells Fargo.

Dignitaries Visited

The following dignitaries visited the Institute of Management:

- (1) Prof Russell W Belk, Kraft Foods Canada Chair in Marketing, York University, Canada was invited for conducting student sessions and FDP from 13th August to 24th August 2019.

(2) Mr Yogi Sriram, Advisor to CEO & MD, Group HR, L&T delivered a lecture in the first CHRO Lecture Series on 29th November 2019.

The following dignitaries visited Institute of Management during the First Institute Advisory Council meeting held on April 27, 2019:

1. Dr Kinnera Murthy, Strategic Advisor & Former Dean, ASCI, Hyderabad
2. Dr N M Kondap, Director General, Kohinoor Business School, Mumbai
3. Mr Deepak Kumar Hota, Chairman & Managing Director, BEML Limited, Bangalore
4. Mr Prem Singh, President – Group Human Resources (Group CHRO), JK Organisation, New Delhi
5. Mr Manoj Barthwal, Group General Manager (HR), ONGC, New Delhi
6. Mr Hasit Kaji, Vice President, TCS, Mumbai
7. Mr Sunil R Parekh, Advisor, Zydus Cadila Group, Ahmedabad
8. Mr Stefano Talassi, COO, Industrial Transformer Division Transformers and Rectifiers (India) Ltd, Ahmedabad
9. Mr Sachinder Bhinder, Executive Vice President, Business Head – Home Finance, Kotak Mahindra Bank, Mumbai

The following dignitaries visited Institute as experts for Faculty Development Programme conducted during April 19th to 26th April 2019:

1. Dr Binod Agrawal, Talim Foundation
2. Dr Arnab Laha, Associate Professor, IIM Ahmedabad
3. Prof Yogesh Joshi, Director, GH Patel Institute of Management, Anand
4. Prof Anand Jaiswal, Professor, IIM Ahmedabad
5. Dr Sharad Saxena, Principal, Analytical Consultant in SAS Global Education

I CURRICULAR ASPECTS

Institute of Management Programme Structure was refined for three programmes, namely, MBA, MBA (FB&E) and Integrated BBA-MBA. New Term based structure was created for the 2019 Integrated BBA-MBA Programme. The session duration for MBA & MBA (FB&E) Programme was altered from 75 minutes to 60 minutes.

The following courses were added to the curriculum:

Course Name	Programme	Credit	Term
Descriptive Analytics	MBA, I-MBA, & MBA(FB&E)	3	Elective
Qualitative Research	MBA & I-MBA	3	Elective
Data Analytics & Visualization	MBA & I-MBA	1.5	Elective
Infrastructure Management	MBA, I-MBA, & MBA(FB&E)	3	Elective
Global Entrepreneurship	MBA (FB&E)	1.5	3
Family Business Management and Entrepreneurship	MBA (FB&E)	3	1
Introduction to Entrepreneurship	BBA-MBA	3	5
Design Thinking	BBA-MBA	3	9
Industry Readiness I – IX	BBA-MBA	1	1-9
Ethics and Values	BBA-MBA	3	5
Startups, Creativity and Innovation	BBA-MBA	3	9
Governance and Ethics	BBA-MBA	3	9
Simulations	BBA-MBA	3	9
Science & Technology – I	BBA-MBA	1	4

Science & Technology – II	BBA-MBA	1	5
Science & Technology – III	BBA-MBA	1	6
Database Management	BBA-MBA	4	6
Introduction to Artificial Intelligence	BBA-MBA	3	9
Art & Culture –I	BBA-MBA	1	1
Art & Culture –II	BBA-MBA	1	2
Art & Culture –III	BBA-MBA	1	3
Great Books – I	BBA-MBA	2	1
Great Books – II	BBA-MBA	2	2
Great Books – III	BBA-MBA	2	3
Theatre & Films – I	BBA-MBA	1	4
Theatre & Films - II	BBA-MBA	1	5

In addition, another new course “Business Simulation” (3 Credit) was also approved for the Academic year 2020-21, that will be applicable for both MBA FT and IMBA Programmes.

II TEACHING-LEARNING AND EVALUATION

Faculty completed/pursuing PhD

Number of faculty pursuing PhD : 07

Number of faculty completed PhD: 02

Activities to sustain healthy practices

- Various Enrichment Programmes for the students were conducted and made mandatory for the students to attend.
- Regular instructor meetings, Faculty and IQAC meeting were held.
- Regular attendance and the progress of the students were monitored.
- Efforts were made to ensure that students interact with industry at different forums.
- Large number of student activities were initiated and coordinated by students.

Interdisciplinary Students projects

Live projects undertaken by the students

In addition to the summer internship projects, students also undertake live projects. The institute encourages the students to undertake such projects and provides conducive environment for the same. These projects expose students to the current problems faced by the business organisation and seek solution for the same. As a result, the employability of the students improves.

Sr No	Organisation	No of students	Project Title
1	Future Group	29	Loyalty Programme Sales
2	UCB	3	Retail Sales & CRM
3	Peacock Solar	38	Market Analysis & Sales
4	PE Analytics	6	Market Research & Analytics
5	GetBack	6	Digital Marketing
6	Finlatics	55	Equity Research & Portfolio Management
7	The Money Roller	2	Equity Research & Derivative Research
8	Redefine Express Pvt Ltd	1	Content Writing

Exam reforms implemented

The Institute follows the University Norms related to the Examination reforms.

Number of Faculty Development Programmes availed by faculty

Year	International Conference	National Conference	STTP/ Workshop/ Seminar/FDP
2019-20	23	12	14
2018-19	20	28	15

Number of faculty development programmes organised by the Institute in 2019-20:

Sr No	Coordinator/s	Dates	Duration	No of Participants	Topic
1	Dr Hrudanand Misra & Dr Jayesh Aagja	19 th to 26 th April & 19 th to 24 th August 2019	13 days	14	Research Methods

Invited Guest Lectures in Various Courses

S No	Date	Topic of the lecture	Name of the Guest	Name of Organisation	Designation
1	2/07/2019	Data Analysis	Mr Hiren Chavla	EXL Service	Analyst
2	5/07/2019	MFS	Mr Farookh Rusi Bharucha	ICICI Bank Ltd.	Zonal Risk & Training Manager
3	18/07/2019	ERP	Mr Kashyap Patel	H.K. Software	Proprietor
4	20/07/2019	FB&E	Mr Parthiv Shah	Tracom Stock Brokers Pvt Ltd	Director
5	20/07/2019	SCM	Mr Abhinav Chaturvedi	Decathlon	Operations Manager
6	20/07/2019	Data Analysis	Mr Hiren Chavla	EXL Service	Analyst
7	20/07/2019	LSS	Prof Govind Dangayach	NIT Jaipur	Professor
8	20/07/2019	LSS	Prof S Rangnekar	Dept of Management Studies, IIT Roorkee	Professor
9	20/07/2019	Yoga	Ms Sonal D Trivedi	Yoga Teacher	Teacher
10	25/07/2019	ERP	Mr Kashyap Patel	H.K. Computers (Tally Academy)	Promoter
11	25/07/2019 & 26/07/2019	DAM	Prof Arnab Laha	IIM Ahmedabad	Associate Professor
12	29/07/2019	Recruitment & Selection	Ms Srita Heide	Srita Heide International	CEO
13	29/07/2019	Recruitment & Selection	Ms Swati Panjwai	Mantras2success	COO
14	3/08/2019	MFS	Mr Setul Bipinchandra Shah	Marsh India Insurance	AVP-Risk Management
15	3/08/2019	ERP	Mr Amit A Kholkute	TCS Ltd.	Delivery Leader-SAP Projects

16	6/08/2019	LSS	Mr Himanshu M Trivedi	Bosch Rexroth	Vice President
17	6/08/2019	SDM	Ms Meenu Bagla	Tech Mahindra	Head Global Brand & Digital Marketing
18	8/08/2019	Retail Marketing	Mr Bhanupratap Singh	Reliance Retail Limited	National Head
19	9/08/2019	IPM	Mr Nisarg Joshi	Freelance - Business & Management Expert	Freelance - Business & Management Expert
20	9/08/2019	IMC	Mr Ashok Abraham	Publicity Parlour	Media Head
21	17/08/2019	SCM	Mr Dinesh Raval	Tirumala Milk Products Pvt. Ltd.	Manager, Sales
22	19/08/2019	ILSCM	Mr Ajay Saraswat	iware Supply Chain (Inter India Group)	CEO
23	20/08/2019 & 22/08/2019	MDIT	CA Vaibhav Shah	HSVJ & Co	Chartered Accountant
24	20/08/2019	ERP	Mr Raboti Sen Biswas	Silver Touch Technologies Ltd	Dy. General Manager
25	21/08/2019	IMC	Mr Pramit Ghosh	Cognitio Innovo	Founder Director
26	21/08/2019	Recruitment & Selection	Mr Babu Thomas	Shalby Hospital	CHRO
27	26/08/2019	Retail Marketing	Mr Manish Shah	Future Retail Ltd	DGM-West Zone
28	26/08/2019	EABD	Mr Parag Soni	Parag Soni & Co.	Chartered Accountant
29	26/08/2019, 27/08/2019 & 3/09/2019	MDIT	CA Vaibhav Shah	HSVJ & CO.	Chartered Accountant
30	29/08/2019	LSS	Mr Sanjay Awasthi	Valvoline Cummins Pvt. Ltd.	VP - Supply Chain
31	29/08/2019	Data Analysis	Mr Hiren Chavla	EXL Service	Analyst
32	29/08/2019	Compensation Management	Mr Manish K Ramtri	Marks & Co	Partner
33	3/09/2019	Compensation Management	Mr Manish K Ramtri	Marks & Co	Partner
34	3/09/2019	Data Analysis	Mr Hiren Chavla	EXL Service	Analyst
35	4/09/2019	Consumer Behaviour	Mr Suryakumar R Sharma	Strategic Consultant	Strategic Consultant
36	4/09/2019	MFS	Mr Parthiv Vijay Shah	Tracom Stock Brokers	Director
37	5/09/2019	Data Analysis	Mr Hiren Chavla	EXL Service	Analyst
38	5/09/2019	MDIT	CA Vaibhav Shah	HSVJ & Co	Chartered Accountant
39	5/09/2019	SDM	Dr Kaushal Kishore	SPM, PDP	Assistant Professor
40	6/09/2019	DAM	Mr Dhaval Popat	PWC India	Sr Consultant - Analytics
41	7/09/2019	Marketing Management	Mr Jagnoor Singh	Mondelez	Branch Sales Manager
42	7/09/2019	Performance Management	Mr Hemant Nitsure	Directus HR Services	Founder & CEO

43	7/9/2019	ERP	Mr Ketan P Parikh	Kalpataru Power Transmission Ltd.	CIO-(VP IT)
44	9/09/2019	DAM	Mr Dhaval Popat	PWC India	Sr Consultant - Analytics
45	12/09/2019	BI	Mr Ronak Shah	Robotic Process Automation	AVP & Global Head
46	12/09/2019	ERP	Mr Kashyap Patel	H K Computers	Promoter
47	17/09/2019	Managerial Skills	Prof Kavita Rathod	NIFT	Faculty
48	16/10/2019	CSE	Mr Karan Dangayach	Shashwat Cleantech Pvt Ltd	Co-Founder & Managing Director
49	22/10/2019	Training & Development	Mr Poulami Basu	Johnson Controls-Hitachi Air Conditioning India Ltd.	AGM HR-Section Head-L&D
50	23/10/2019	CSE	Mr Nirav M Shah	Wake up to Dream	Founder-Business Simplified
51	8/11/2019	CSE	Mr Nadeem Jafri Syed	Hearty Mart	Founder & Chief Mentor
52	8/11/2019	Strategic Brand Management	Prof Kanupriya Taneja	Department of Design, Nirma University	Associate Professor
53	16/11/2019	CSE	Mr Deval B Patel	D&C Developers Pvt. Ltd.	Managing Director
54	19/11/2019	Training & Development	Mr Abhay Joshi	Suzuki Motors	Executive Head HR
55	19/11/2019 & 21/11/2019	Managerial Skills	Prof Kavita Rathod	NIFT	Faculty
56	25/11/2019 & 26/11/2019	Investment Banking	Mr Tejpal V Sheth	Practising Company Secretary	Practising Company Secretary
57	29/11/2019	SCM	Mr Ajay Saraswat	iware Supply Chain (Inter India Group)	CEO
58	30/11/2019	CSE	Mr Parthiv V Shah	Tracom Stock Brokers	Director
59	6/12/2019	OM-II	Mr Ankit Jambusaria	Havmor Ice Creams	Assistant General Manger
60	7/12/2019	TEOM	Mr Ankit C Desai	E&Y	Sr Consultant
61	9/12/2019	DRM	Mr Abidhusain R Maredia	Adani Enterprise	Treasury Manager
62	10/12/2019	HRM	Mr Rakesh K Chopra	International Soft Skill Trainer	International Soft Skill Trainer
63	13/12/2019	HRM	Mr Ankur Patel	Sona Pumps	Managing Director
64	17/12/2019	TEOM	Mr Vishal Vyas	Airtel Gujarat Circle	Chief Technology Officer
65	18/12/2019	MIS	Mr Chintan Mehta	KPMG India	Associate Director
66	19/12/2019& 21/12/2019	Investment Banking	Mr Nitesh Shah	Elara Wealth	CEO-Wealth
67	9/01/2020	Social Media & Business	Prof Arpan S Yagnik	Dept of Communication,	Assistant Professor

				Pennsylvania State University	
68	23/01/2020	Personal Finance	CA Parag C Soni	Parag Soni & Co	Chartered Accountant
69	23/01/2020	WCM	Mr Luqman Ali Khan	Union Bank of India	Dy General Manager
70	29/01/2020	Management Consulting	Mr Suramya Bhatt	TCS Ltd	Delivery Partner
71	3/02/2020	Cyber Security	Mr Nishid Shivdas	ISOQAR India Pvt Ltd	Director
72	25/02/2020	IMC	Mr Ashok Abraham	Publicity Parlour	Media Head
73	26/02/2020	Rural Marketing	Mr Ajay Mishra	State Bank of India	Dy General Manger
74	27/02/2020	People Management & Leadership Skills	Mr Hemal Shah	HR Re Engineers	MD
75	28/02/2020	Compensation Management	Mr Manish K Ramtri	MARKS & Co.	Proprietor
76	29/02/2020	IHRM	Mr Yash Rathi	Ford India Pvt Ltd	HR Business Advisor
77	4/03/2020	Introduction to Organisational Behavior	Mr Sapan Oza	TCS	Programme Manager

Invited Guests for Conclaves & Conferences

S No	Name of the Event	Date of Event	Name of the Guest Speaker	Designation & Organisation
1	Utkrishta 2019	August 30-31, 2019	Mr Pankaj Tibak	State Head Gujarat, Federation of Indian Chambers of Commerce and Industry(FICCI)
2	Utkrishta 2019	August 30-31, 2019	Captain Anil Kishore Singh	Chief Executive Officer- Inland Waterways, Adani Logistics Limited
3	Utkrishta 2019	August 30-31, 2019	Mr Satyashankar Mahaparta	Senior Vice President- Risk and Analytics, Barclays Investment Bank
4	Utkrishta 2019	August 30-31, 2019	Mr Abhay Saxena	Vice President- HR &TQM, Hero Corporate Services
5	Utkrishta 2019	August 30-31, 2019	Mr Pankaj Kumar	Vice President- Commercial, Gujarat Heavy Chemicals Limited
6	Utkrishta 2019	August 30-31, 2019	Mr Pavan Singh	Deputy General Manager – Marketing, GCMMF Limited (Amul)
7	Utkrishta 2019	August 30-31, 2019	Mr Paresh Gupta	Founder & CEO, Global Centre for Entrepreneurship & Commerce
8	Utkrishta 2019	August 30-31, 2019	Mr Amit Chhabra	Senior General Manager, Shell India Lubricants
9	Utkrishta 2019	August 30-31, 2019	Mr Nagdev Bindiganavale	Co-Founder-Centre for Transformational Leadership, TISSAA
10	Utkrishta 2019	August 30-31, 2019	Mr Gaurav Perti	Co-Chief Executive Officer - 1 Pay

11	Utkrishta 2019	August 30-31, 2019	Mr Varun Chugh	Master Black Belt & Innovation Leader, Novartis
12	Utkrishta 2019	August 30-31, 2019	Mr Nalin Bansal	Head RuPay- NCMC & NFS, National Payments Corporation of India
13	Utkrishta 2019	August 30-31, 2019	Mr Nitin Nair	General Manager- Connected Cars, Nissan Motor Corporation
14	Utkrishta 2019	August 30-31, 2019	Mr Himanshu Periwal	Vice President – Growth, Ixigo.com
15	Utkrishta 2019	August 30-31, 2019	Ms Mehjabeen Taj Aalam	Head- Information Technology, MuthootHomefin (India) Ltd.
16	Institute Lecture Series	July 29, 2019	Gaurav Sangtani	Vice President, Goldman Sachs
17	Institute Lecture Series	July 26, 2019	Sunil Narula	Vice President (Marketing), Panasonic India
18	Institute Lecture Series	August 02, 2019	Jagnoor Singh	Branch Sales Manager, Mondelez International
19	Institute Lecture Series	August 8, 2019	Kaushal Mehta	Vice President, Reliance Industries Ltd
20	Institute Lecture Series	August 13, 2019	Bhavin Pandya	General Manager, Atlas Copco SRO
21	Institute Lecture Series	August 23, 2019	Pankaj Joshi	Managing Director, NYSA Global
22	CHRO Lecture Series	November 29, 2019	Yogi Sriram	Senior Vice President – Corporate Human Resources & Member of the Executive Committee, Larsen & Toubro Limited
23	ASQ 2019	November 22-23, 2019	Mr Anil Patel	Site Plant Manager, Ford India Pvt Ltd
24	ASQ 2019	November 22-23, 2019	Mr Anindya Sarangi	Director & Head, ASQ South Asia
25	ASQ 2019	November 22-23, 2019	Dr Rahul Gupta	Industries Commissioner, Govt. of Gujarat
26	ASQ 2019	November 22-23, 2019	Mr Tony Martens	Vice President, Technology and Development, Polycab India Ltd
27	ASQ 2019	November 22-23, 2019	Mr Anand Misra	General Manager, Ford India Pvt. Ltd.
28	ASQ 2019	November 22-23, 2019	Mr Abhishek Dixit	Manager Quality, Ford India Pvt Ltd
29	ASQ 2019	November 22-23, 2019	Mr Atul Kulkarni	AGM-Quality, Secure Meters Ltd
30	ASQ 2019	November 22-23, 2019	Prof Arnab Laha	Associate Professor, IIM Ahmedabad
31	ASQ 2019	November 22-23, 2019	Mr Chetan Kothari	Chairman and IPP, Rajkot Management Association
32	ASQ 2019	November 22-23, 2019	Mr Ciby James	Director, ASQ South Asia
33	ASQ 2019	November 22-23, 2019	Dr D M Parikh	Dean (FoET), PDP

34	ASQ 2019	November 22-23, 2019	Dr Darshak Desai	Professor & Head, GH Patel College of Engineering & Technology
35	ASQ 2019	November 22-23, 2019	Dr Dharmesh Raval	Professor, School of Management, RK University
36	ASQ 2019	November 22-23, 2019	Mr Harish Thadani	Site Head, Expanded Polymer Systems Pvt Ltd
37	ASQ 2019	November 22-23, 2019	Mr Harsh Bajpayee	Sr. Consultant, Alliance 7 Global
38	ASQ 2019	November 22-23, 2019	Mr Jagdish Shukla	Owner, Servilink Systems Ltd
39	ASQ 2019	November 22-23, 2019	Dr Jitesh Thakkar	Associate Professor, IIT-Kharagpur
40	ASQ 2019	November 22-23, 2019	Mr Kaushal Mehta	VP& Head CRMS, Reliance Industries Ltd
41	ASQ 2019	November 22-23, 2019	Mr Madhu Madhavan	Founder & CEO, QSutra
42	ASQ 2019	November 22-23, 2019	Mr Nital Zaveri	Director & CEO, Concept Business Excellence Pvt Ltd
43	ASQ 2019	November 22-23, 2019	Mr Parag Jobanputra	Vice President, Emxcel Technologies
44	ASQ 2019	November 22-23, 2019	Dr Paresh Kariya	Director, Asian Institute of Quality India
45	ASQ 2019	November 22-23, 2019	Mr Piyush Mehta	Chief Operating Officer, Agrocet Industries Pvt Ltd
46	ASQ 2019	November 22-23, 2019	Prof Ravikumar K	Campus Director, Bapu GKV Campus
47	ASQ 2019	November 22-23, 2019	Dr Ramanan Lakshminarayanan	Chief Technology Officer, Sahajanand Medical Technologies
48	ASQ 2019	November 22-23, 2019	Mr Sai Golla	Senior General Manager, EHS & Sustainability 3M India Ltd
49	ASQ 2019	November 22-23, 2019	Mr Sandip Karia	Director, CIMCON Infotech
50	ASQ 2019	November 22-23, 2019	Mr Sanjay Kumar Jain	President, Amneal Pharmaceuticals
51	ASQ 2019	November 22-23, 2019	Mr Sudhir Manglick	DGP-Production, Secure Meters Ltd
52	ASQ 2019	November 22-23, 2019	Mr Vikas Chawda	Founder & Chief Executive Officer, Quantum Leap
53	Pragaman 4.0 - The Entrepreneurship Conclave	December 12, 2019	Mr Yaduvendra Mathur	Ex- Special Secretary, NITI Aayog, Ex-Chairman & MD, EXIM Bank of India
54	Pragaman 4.0 - The Entrepreneurship Conclave	December 12, 2019	Mr Aasit Shah	MD-eQuinox
55	Pragaman 4.0 - The Entrepreneurship Conclave	December 12, 2019	Mr Ruchir Joshi	Founder- Momoman

56	Pragaman 4.0 - The Entrepreneurship Conclave	December 12, 2019	Mr Priyank Shah	Co-Founder, Beardo
57	Pragaman 4.0 - The Entrepreneurship Conclave	December 12, 2019	Mr Dharamveer Singh Chouhan	Co-Founder, Zostel
58	Pragaman 4.0 - The Entrepreneurship Conclave	December 12, 2019	Ms Deepshikha Anand	Founder SpeakIn
59	Pragaman 4.0 - The Entrepreneurship Conclave	December 12, 2019	Mr Vivek Kapoor	Co-Founder, Dineout
60	Aarohan	December 20-21, 2019	Mr Abbey Rodrigues	President – Sales, Cera Sanitaryware Ltd
61	Aarohan	December 20-21, 2019	Ms Ankita Shrivastava	International Athlete
62	Aarohan	December 20-21, 2019	Mr Arijit Bhattacharya	Founder- Virtualinfocom
63	Aarohan	December 20-21, 2019	Major Mohammed Ali Shah	Actor
64	Aarohan	December 20-21, 2019	Mr Satish Manchikanti	Founder – U&I Trust
65	Aarohan	December 20-21, 2019	Mr Ashim Babbar	CEO – Toyo Springs Ltd
66	Aarohan	December 20-21, 2019	Mr Neelakantha Bhanu	The Human Calculator, Founder-Exploring Infinities
67	Aarohan	December 20-21, 2019	Mr Animesh Bhatt	Deputy Chief Manager - BCCL
68	NICOM 2020	January 3-5, 2020	Pradeep Poddar	Director, Monsanto
69	NICOM 2020	January 3-5, 2020	Mr Yatish Mehrishi	Chief Operating Officer, Radio Mirchi
70	NICOM 2020	January 3-5, 2020	Mr Vijay Parthasarathi	CEO, InTouch Consulting.in
71	NICOM 2020	January 3-5, 2020	Mr Maharana Ray	VP – Probiking, Bajaj Auto Ltd
72	NICOM 2020	January 3-5, 2020	Mr Puneet Avasthi	Senior Executive Officer, Kantar
73	NICOM 2020	January 3-5, 2020	Ms Rutu Mody Kamdar	Founder, Jigsawbrand Consultants
74	NICOM 2020	January 3-5, 2020	Mr R Balasubramanian	International Healthcare Expert
75	NICOM 2020	January 3-5, 2020	Mr Nitin Parikh	Chief Financial Officer, Zydus Cadila

Non-Teaching Staff Development

Training Programmes/Workshops/Conferences attended by non-teaching staff

1. Non-Teaching Staff development

Sr No	Name of Employee	Date	Organisation	Programme
1	Ms Monita Shastri	6-Jul-19	Indian Institute of Management Ahmedabad (IIMA)	Implementation Challenges of RFID Technology & LMS Integration
2	Mr Shubhendu Mishra	30-Jul-19	Ahmedabad Management Association (AMA, Ahmedabad)	Training Programme on “Writing Effective Business Letters/Mails”
3	Mr Rakesh Trivedi	14-Sep-19	ADINET in Collaboration with Physical Research Library, Ahmedabad	Librarians Day 2019- Future Libraries: Overcoming Challenges
4	Ms Kinjal Parekh	14-Sep-19	ADINET in Collaboration with Physical Research Library, Ahmedabad	Librarians Day 2019 -Future Libraries – Overcoming Challenges
5	Mr Neeraj Arora	19-20 Sept-19	NHRD, Reimagining Organisations, ITC Grand Chola, Chennai	NHRDN 22 nd National Conference
6	Ms Monita Shastri	16-Oct-19	EBSCO Information Services, India at Novotel, Ahmedabad	EBSCO Knowledge Feast for celebration of ‘Innovative Excellence through Skill Enhancement & Library Technologies for 21 st Century’
7	Mr Neeraj Arora	12-13 Feb 20	All India Management Association, Lajpat Nagar, New Delhi	HRM Conclave: HR Strategy on Talent, Technology & Transformation
8	Ms Monita Shastri	27-Feb-20	INFLIBNET Centre, Gandhinagar	One Day National Level Workshop on IRINS: Adoption & Promotion

III. RESEARCH, CONSULTANCY AND EXTENSION

- **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
2019-20	1	6.00	2	91.00	3	35.19
2018-19	-	-	1	6.0	3	102.00

Minor Research Project funded by External Agencies:

Financial Year	Completed		Ongoing		Sanctioned	
	Number	Amount	Number	Amount	Number	Amount
2019-20	1	4.00				
2018-19	-	-	1	4.20	1	4.50

Minor Research Project funded by Nirma University:

Financial Year	Completed		Ongoing		Sanctioned	
	Number	Amount	Number	Amount	Number	Amount
2019-20	-	-	-	-	-	-
2018-19	2	0.90	1	0.60	-	-

Completed Major Research Projects

Sr. No.	Title of the Project	Project Investigator/s	Funding Agency	Grant (in ₹)
1.	Preparation of District Human Development Report of Devbhumi Dwarka	Prof. M. Mallikarjun, Prof. Nikunj Kumar Patel	Gujarat Social Infrastructure Development Society (GSIDS), General Administration Department (Planning), Government of Gujarat	6,00,000/-
Total Grant				10,50,000/-

Ongoing Major Research Projects

Sr. No.	Title of the Project	Project Investigator/s	Funding Agency	Grant (in ₹)
1.	Adoption & Effectiveness of Digital Health Services in India: A Study of State of Gujarat	Prof. Jayesh Aagja, Prof. Samik Shome	Indian Council of Social Science Research (ICSSR)	20,00,000/-
2.	Rainbow (Realizing Aspirations, Interests & Brilliance of Young Women in Indian Universities)	Prof. Nina Muncherji, Prof. Amola Bhatt	ERASMUS	71,00,000/-
Total Grant				91,00,000/-

Sanctioned Major Research Projects

Sr. No.	Title of the Project	Project Investigator/s	Funding Agency	Grant (in ₹)
1	Assessing the Impact of Microfinance Services on Empowerment of Female Living in Rural Area of North Gujarat	Prof. Riteshkumar Patel, Prof. Nikunj Kumar Patel	Indian Council of Social Science Research (ICSSR)	4,50,000/-
2	Research Ambience and Research Productivity: A Study of Higher Educational Institutions in India, South Africa, and The USA	Prof. Rajesh Jain, Prof. Udai Paliwal	Indian Council of Social Science Research (ICSSR)	11,00,000/-
3	Government Agency Initiatives for Scientific Research Management with Special Reference to Institute/University Interface	Prof. Nityesh Bhatt, Prof. Punit Saurabh, Prof. Balakrishnan Unny	Indian Space Research Organisation (ISRO)	19,69,000/-
Total Grant				35,19,000/-

Minor Research Projects

Completed Minor Research Projects

Sr. No.	Title of the Project	Project Investigator/s	Funding Agency	Grant (in ₹)
1.	Effectiveness and Efficiencies of MGNREGA in Five Districts of Central Gujarat and its Impact on Quality of Life	Prof. Samik Shome	Indian Council of Social Science Research (ICSSR)	4,00,000/-
Total Grant				4,00,000/-

Number of Teachers allowed to participate in National/International Conference based on the acceptance of Research paper:

Financial Year	National Conference		International Conference	
	Number of Teachers	Amount incurred	Number of Teachers	Amount incurred
2019-20	23	2,35,069	12	97,857
2018-19	7	50,259	17	2,00,058

Details of MoU/Partnership and work carried out during Assessment Period

SDG Handprint Lab

[BBA-MBA Five Year Integrated Programme]

The UNDP summit in 2015, adopted the 2030 agenda for sustainable development- an ambitious plan of action with 17 sustainable development goals and 169 targets all aimed at a universal, integrated and transformative vision for a better world. SDG Handprint Lab is a certificate programme offered by CEE. The programme is designed to enable youth to become active participants in achieving Sustainable Development through a Higher Education Curricular Programme which empowers students in critical thinking, research, developing innovative solutions and taking Handprint Action, through engaging with the community. The programme challenges the students to understand the SDGs and targets, relate it to issues of selected geographic area and think of solutions and Handprint actions that could lead to achieving the goals/targets in the area. The programme has been designed and implemented in FYBBA batch 2019-24. The project will run for 2 terms which will incorporate field visits and class room sessions. The programme is envisaged as an annual programme conducted for the period of SDGs (2030); wherein successive batches can build upon the work done in the identified areas.

A plenary session was organized on November 30, 2019. The session was addressed by Padma Shri Kartikeya Sarabhai; Director, Centre for Environment Education (CEE), India. The session mainly focused on climate empowerment and sensitised students about their role in SDG Handprint Lab programme. Apart from classroom session, students visited target areas viz. Dholka, Sanand and Bavla taluka on January 18, 2020 and February 15, 2020.

Publication by Institute – International/National Conference proceedings, Institute journals, dissertation abstracts, PhD Thesis, etc

Financial Year	Institute	National Journal			International Journal		
		Number of paper published	Number of paper considered for calculation of average impact factor	Average impact factor	Number of paper published	Number of paper considered for calculation of average impact factor	Average impact factor
2019-20	IMNU	08	1.52	----	17	3.96	---
2018-19	IMNU	14	---	---	08	---	---

Summary

Research Publication by faculty:

Publication in National Journals

Sr No	Name of Author	Research Paper	Name of Journal	Volume No	Page No	Month & Year of Publication	ISSN/ISBN
1	Prof Avani Raval	Personality traits and its impact on preference of Digital Payment Wallets	Studies in Indian Place Names	40 (8)	1-12	February, 2020	2394-3114
2	Prof Nityesh Bhatt & Prof Ritesh Patel	A Study of ICT Adoption and its Impact on Selected MFIs of Gujarat	Indian Journal of Finance	14 (2)	7-20	Feb-2020	ISSN: 0973 - 8711
3	Prof Mahesh K C	A Robust Sharpe Ratio	Sankhya Series B: The Indian Journal of Statistics	Online	1-22	Nov-2019	ISSN-0976-8394
4	Prof Sapna Parashar	Content Analysis of MGNREGA's TV Advertisement and Online News Coverage	Journal of Rural and Industrial Development	7 (2)	23-33	Oct-2019	ISSN-2321-1873
5	Prof Rajwinder Kaur	Employer attractiveness: A comparative analysis of Professionals and MBA students Perceptions	Indian Journal of Industrial Relations	55 (2)	153-156	July- 2019	0019-5286
6	Prof Mayank Bhatia	Study of Customer Satisfaction and Loyalty W R T the Service Quality Determinants of	Shodhaytan – Rabindranath Tagore University Journal	6 (11)	12-24	Jun-2019	2349-4190

		Organised Retail Apparel Stores in Ahmadabad					
7	Prof Sapna Parashar	Health Consciousness as an Enabler for Exploratory Buying Behavior among Consumers	SCMS Journal of Indian Management	16 (2)	87-102	June 2019	ISSN-0973-3167
8	Prof Nina Muncherji	Knowledge Hiding & Machiavellianism: An Empirical Analysis	Amity Journal of Management Research,	4 (1)	-	December 2019	(ISSN - 2455-9881) (RNI-UPENG/ 2017/ 72759)

Publications in International Journals

Sr No	Name of Author	Research Paper	Name of Journal	Volume No	Page No	Month & Year of Publication	ISSN / ISBN
1	Prof Diljeetkaur Makhija	To study the impact of RFID applications on information sharing	International Journal of Management	11 (3)	1-7	March 2020	0976-6502
2	Prof Chetan Jhaveri	Evaluation of eTail Services Quality: AHP Approach	The Journal of Business Perspective	Online	1-10	March 2020	2249-5304
3	Prof Himanshu Chauhan	A study on Consumer preferences towards Fashion Jewellery in Ahmedabad & Gandhinagar city of Gujarat	Studies in Indian Place Names	40 (56)	232-248	March 2020	2394-3114
4	Prof Sandip Trada	Tripartite role of communications in channel relationships: Mitigating exchange hazards, reducing opportunism, and curtailing its ill effects on relationship performance	Industrial Marketing Management	85	281-294	February 2020	0019-8501
5	Prof Shashank Thanki	Cycle time reduction in outsourcing process: case of an Indian aerospace industry	The International Journal of Advanced Manufacturing Technology	106	4355 - 4373	January 2020	1433-3015
6	Prof Punit Saurabh	What impedes the success of late mover IT clusters despite economically favorable environments? a case	Technology Innovation Management Review	10 (1)	54-67	January 2020	ISSN - 1927-0321

		study of an Indian IT cluster					
7	Prof Rajesh K Jain	Use of Information Technology in Pharmaceutical Industry in India	Asian Journal of Information and Communication	11 (2)	97-112	Dec 2019	ISSN 22874224
8	Prof Rajesh K Jain	Supply chain integration: a review of enablers, dimensions and performance	Benchmarking : An International Journal	27 (1)	264-301	Dec 2019	ISSN 14635771
9	Prof Amola Bhatt & Prof Shahir Bhatt	Managing a Growing Family Business: A Case of Tracom Stock Brokers Pvt Ltd	International Journal of Family Business and Management	3 (3)	1-5	Sept 2019	ISSN: 2577-7815
10	Prof Rajesh K Jain	Changing Roles of Information and Communication Technologies in India	Asian Journal of Information and Communication	11 (1)	111-125	Sept 2019	ISSN 22874224
11	Prof Prabhat Kumar Yadav	The mediating effect of satisfaction on trust-commitment and relational outcomes in manufacturer-supplier relationship	Journal of Business & Industrial Marketing	35 (2)	219-230	Sept 2019	ISSN: 0885-8624
12	Prof Shashank Thanki	An investigation on lean-green performance of Indian manufacturing SMEs	International Journal of Productivity and Performance Management	69 (3)	489-517	August 2019	1741-0401
13	Prof Rajesh Jain	Changing Roles of Information and Communication Technologies in India Screen reader support enabled	Asian Journal of Information and Communication Screen reader support enabled	11(1)	111-125	July 2019	22874224
14	Prof Monali Chatterjee	Projection of Women Characters in A Matter of Time by Shashi Deshpande.” Serial No. – 46964{Bi-Monthly}	Online International Interdisciplinary Research Journal	9(3)	300-303	May 2019	2249-9598
15	Prof Ambika Singh	The “Rag Doll” Won't Move: The Curious Case of Sylvia Gellburg	The Arthur Miller Journal	14(1)	10-30	May 2019	ISSN: 15588831

16	Prof Hrudanand Misra	Ship breaking and its ecological impact	International Journal of Multidisciplinary Research and Development	6 (4)	67-71	April 2019	ISSN: 2349-5979
17	Prof Samik Shome	The Statistical Analysis of Examination and Evaluation of Results of International Trade Course	International Journal of Business Analytics and Intelligence	7 (1)	46-52	April 2019	2321-1857

Other Publications (books, chapter in books, case studies, manual monograph, articles, etc)

Books published

Sr No	Name of the Book	Year of Publication	Authors/Editors	ISSN/ISBN number	Publisher
1.	Quality and Innovation	2019	Prof Rajesh K Jain	978-81-930216-5-1	ASQ South Asia
2.	Customer Competition and Marketing Strategy	2020	Prof Sapna Parashar & Prof Tejas Shah	9788194364122	Excel Publishers, New Delhi
3.	Innovation in Marketing	2020	Prof Tejas Shah & Prof Sapna Parashar	9788194364139	Excel Publishers, New Delhi
4	Research Frontiers in Finance and General Management	2019	Prof Nityesh Bhatt and Prof Ritesh Patel	978-93-86724-70-0	Excel Publisher, New Delhi

Book Chapters and Case Studies

Sr No	Type of Publication (Case Study/Book Chapter)	Name of the Author (s)	Month & Year of Publication	Title of the Case/Book Chapter	Name of the Journal/Book with Publisher	ISSN / ISBN/Case Registration No	Page Numbers	Inter-national/National
1	Book Chapter	Prof Bhajan Lal and Prof. Balakrishnan Unny	Jan, 2020	Examination the relationship of Job Attitudes for Marketing Professional: An Indian Perspective	Excel India Publisher	978-81-930641-2-2).	103-114	National
2	Book Chapter	Prof Balakrishnan Unny	Jan, 2020	Networks for the future: An Indian	Excel India Publisher	978-81-930641-2-2).	25-35	National

		and Prof Bhajan Lal		Perspective				
3	Book Chapter	Prof Sandip Trada	January, 2020	Role of customers and frontline employees' behaviours on customer satisfaction in service encounter	Excel India Publisher	978-81-930641-2-2	115-125	National
4	Book Chapter	Prof Avani Raval & Prof Swati Saxena	January, 2020	Digitalisation of Selected Banking Services - What is the Consumers' take?	Excel India Publisher	978-81-943641-3-9	149-156	National
5	Book Chapter	Prof Praneti Shah	January, 2020	Environmental Performance Index Score: A Driving Force towards Green Business Model and Process Innovations	Excel India Publisher	978-81-943641-3-9	310-321	National
6	Book Chapter	Prof Monali Chatterjee	Jan-20	Mapping Semiotics in the Language of Contemporary Advertisements	Excel India Publishers	ISBN-: 978-81-943641-2-2	302-311	National
7	Book Chapter	Prof Bhajan Lal	November, 2019	Innovation As an Instrument To Challenge Business Change	American Society for Quality India Pvt. Ltd	978-81-930216-5-1	92-96	International
8	Book Chapter	Prof Rajesh K Jain	Nov-19	Impact of Additive Manufacturing Technology on Supply Chain	ASQ South Asia	978-81-930216-5-1	33-43	International
9	Book Chapter	Prof Rajesh K Jain	Nov-19	Embracing Change through Quality and Innovation	ASQ South Asia	978-81-930216-5-1	xii-viv	International
10	Book Chapter	Prof Rajesh K Jain	Nov-19	Innovative Practices of Supplier Selection: A Case of Textile Industry	ASQ South Asia	978-81-930216-5-1	7-21	International

11	Case Study	Prof Shahir Bhatt and Prof Amola Bhatt	September, 2019	Managing a Growing Family Business: A Case of Tracom Stock Brokers Pvt. Ltd.	International Journal of Family Business and Management	2577-7815	1-5	International
12	Book Chapter	Prof Rajesh K Jain	Aug-19	Technology advancement: an application of text mining	A Compendium of Ideas & Perspectives on Sustainable Development Goals, BK School of Professional and Management Studies, Gujarat University	978-93-86644-50-3	134-146	National

Faculty achievements

Awards and Recognitions (Institute/Department/Faculty)

- (1) Dr Samik Shome was appointed as a Member of 5th Common Review Mission 2019 by Ministry of Rural Development, Government of India to review the implementation of various rural development programmes, observed good practices, recognised ground realities and challenges in the implementation of different schemes and suggest refinement in the existing framework. As part of the committee, Dr Shome submitted a report to the Ministry for the state of Rajasthan. The report is published by the Ministry in March 2020.
- (2) Prof Tirthank Shah received 2nd Prize for Best Research Paper in the 12th International Conference on Perspectives, Practices & Research Trends on Business Management & Innovation by VM Patel Institute of Management, Ganpat University during January 2020.
- (3) Prof Chitra Khari received MSR Fetzer Scholarship of US \$2500 to attend Academy of Management Conference at Boston by the MSR division of Academy of Management in association with Fetzer Institute, Boston, US during August 2019.

Internal Resources Generated

(Consultancy, MDP/Prog for industries, any other)

Management Development Programme (In -House) 2019-20

Sr No	Name of the Programme	Date	Programme Leader	Partici pants	Amount
01	Professional Development Programme For Johnson Controls-Hitachi Air Conditioning India Ltd	April 18-20, 2019	Prof Hardik Shah	38	185939
02	Professional Development Programme For Johnson Controls-Hitachi Air Conditioning India Ltd	June 20-22, 2019	Prof Hardik Shah	38	195969
03	In-house Management Development Programme Supervisory Skill for High Performance (Phase –I) For NUVOCO Vistas Corp Ltd	July 24-26, 2019	Prof Hardik Shah	22	223527
04	In-house Management Development Programme Supervisory Skill for High Performance (Phase –I) For NUVOCO Vistas Corp Ltd	August 01-03, 2019	Prof Hardik Shah	20	203267
05	In-house Management Development Programme Supervisory Skill for High Performance (Phase –II) For NUVOCO Vistas Corp Ltd	August 21-23, 2019	Prof Hardik Shah	19	196517
06	In-house Management Development Programme Supervisory Skill for High Performance (Phase –II) For NUVOCO Vistas Corp Ltd	September 5-7, 2019	Prof Hardik Shah	15	175249
07	In-house Management Development Programme Supervisory Skill for High Performance (Phase –I) For NUVOCO Vistas Corp Ltd	October 14-16, 2019	Prof Hardik Shah	20	198412
08	Professional Development Programme For Johnson Controls-Hitachi Air Conditioning India Ltd	November 13-15, 2019	Prof Hardik Shah	31	253052
09	In-house Management Development Programme Supervisory Skill for High Performance (Phase –II) For NUVOCO Vistas Corp Ltd	November 20-22, 2019	Prof Hardik Shah	21	200342
10	Case Workshop for Ford Motor Private Limited	November 25-26, 2019	Prof Sameer Pingle	12	66,000
11	In-house Management Development Programme Supervisory Skill for High Performance (Phase –I) For NUVOCO Vistas Corp Ltd	December 11-13, 2019	Prof Hardik Shah	25	217423
12	Professional Development Programme For Johnson Controls-Hitachi Air	December 16-18,	Prof Hardik Shah	31	283141

	Conditioning India Ltd	2019			
13	Professional Development Programme For Johnson Controls-Hitachi Air Conditioning India Ltd	December 19-21, 2019	Prof Hardik Shah	21	225881
14	In-house Management Development Programme Supervisory Skill for High Performance (Phase –II) For NUVOCO Vistas Corp Ltd	January 8-10, 2020	Prof Hardik Shah	25	212071
15	Professional Development Programme For Johnson Controls-Hitachi Air Conditioning India Ltd	February 12-14,2020	Prof Hardik Shah	30	249394

Management Development Programme (Open) 2019-20

Sr No	Name of the Programme	Date	Programme Leader	Participants	Amount
01	Data Analytics and Business Modelling Using MS Excel	November 16-17, 2019	Prof Chetan Jhaveri	10	82600
02	Appreciative Coaching for Performance Excellence	February 28-29, 2020	Prof Hardik Shah	10	77664
03	Effective Communications for Higher Performance	March 11-13, 2020	Prof Nityesh Bhatt	06	74340

Executive Diploma Programme 2019-20

Sr No	Name of the Programme	Date	Programme Leader	participants	Amount
01	EDP in Marketing	July 2019 to April 2020	Prof P K Yadav	26	3082000/-
02	EDP in Operations Management			27	
03	EDP in Finance			16	

Revenue Generated in:

Financial Year	Consultancy	Testing	Training	Other
2019-20	3086184	--	234604	
2018-19	271188	--	1067279	3725176

Extension Activities/Community services by Institute

Managing Social Projects [MSP]

With the objective of sensitising the students to the larger social concerns, the Institute of Management offers a compulsory field course called “Managing Social Projects”.

Managing Social Projects: 2019-20

S No	Name of	Number of	Topic of Project

	Organization	Students	
1	Deepak Foundation	24	Market survey and Feasibility analysis for manufacturing roasted banana chips Market survey and Feasibility analysis for manufacturing instant khichdi Market survey and Feasibility analysis for manufacturing powdered spices and masalas Market survey and Feasibility analysis for manufacturing paper bags Market survey and Feasibility analysis for manufacturing leaf plates and bowls Market survey and Feasibility analysis for bee farming Preparation of Digital marketing plan for Krushak Mahila Khet Utpadak Producer Company (Khichdi making unit)
2	Tresna Foundation	21	Conducting good touch and bad touch workshops in schools Quality of life assessment survey in villages Conducting Teachers' training workshops
3	Kutch Mahila Vikas Sangathan	20	Documentation of case studies of paralegal workers Assessment of implementation of government schemes in urban areas Assessment of youth issues and preparation of guidelines for website creation
4	Aga Khan Foundation	37	Assessment of poultry farming challenges A study to strengthen eco tourism initiatives in Saputara Assessment of water management systems and practices Assessment of implementation of Livelihood schemes
5	Centre for Environmental Education	72	Baseline study on watershed implementation A study on Value chain analysis of milk business A study on Value chain analysis of groundnut business A study on Value chain analysis of cotton business Impact study of pond deepening (AAROHAN project)
6	ANANDI-Area Networking and Development Initiatives	70	Social audit of the implementation of Mid day meals scheme Social audit of the implementation of the Integrated Child Development Services -Anganwadis Social audit of the implementation of Social security pension scheme Social audit of the implementation of Public distribution system

Apart from fulfilling the original objective of social sensitization of MBA students from various parts of our country, this year's live project also gave them an opportunity to contribute significantly to the development of HDI indices and community initiatives.

At the Institute of Management, the students are part of the National Service Scheme (NSS) Initiative which is aimed at developing student's personality through community service.

'Kalpavruk' an event that promotes the idea of afforestation was the first event for FYBBA volunteers. It laid the stone for them to interact with villagers and know their issues which would become aim for the upcoming camp. Volunteers distributed Tulsi sapling and made them aware of the importance of trees and its impact on climate. 100 saplings were distributed.

NSS, IMNU organised a 7-day camp which commenced on December 9, 2019. The camp was organized to show the spirit of "Ek Bharat, Shrestha Bharat". Activities like self-defense session, nukkad natak, blood donation camp, and session on government scheme were conducted to solve the issues in village. Some recreation activities like pottery classes, magic show, poster making competition and movie screening were arranged for the children of Khodiyar village.

NSS, IMNU organised a yoga session by Mrs Hemali Shah on 10 January 2020 open to all BBA students.

IV. Infrastructure and Learning Resources

Network and Internet Connectivity

The Computer Centre manages the IMNU network and is responsible for the availability of intercampus connectivity to all the Institutes, all the three hostels, and the Internet connectivity of IMNU community to the outside world.

Infrastructure at IMNU

The Wi-Fi network connectivity in all classrooms were completed, during the year, the total Internet bandwidth for campus users has been increased from 256 Mbps to 1Gbps. All faculty members have been provided with laptop along with licensed software.

Hardware/Software Infrastructure

All service offerings at the Computer Centre are based on Windows Operating Software Systems. Computer Lab is equipped with 66 computer system to cater the need of student and faculty. The institute uses Microsoft software licensing programme. This allows the IMNU community to use most of the Microsoft Office Software programme.

The Computer Centre provides technical support to run the IP-based Security Surveillance Systems and Analog Surveillance System for the Security Section. The Computer Centre runs a Help Desk for all faculty and staff for helping them in hardware and software related problems.

Library – Learning Resources Added (as on date 31st March, 2020)

- New books/journals subscribed and their value:

Sr No	Titles Purchased (including lending and reference titles)		Reference Books Purchased		Print Journals Subscribed		E-Journals Subscribed	
	No	Cost	No	Cost	No	Cost	No	Cost
1.	1232	17,33,430.00	122	3,64,587.00	221	19,83,171.00	9461	42,49,694.00

V. Student Support and Progression

Admission details 2019-20

Sr No	Name of Programme/s	No of Applications Received	Appeared in Written Test	No of Candidates Short listed for GD/PI	No of Candidates Appeared in GD/PI	No of Candidates Registered for the Programme
1.	MBA	2314	2314	1431	1130	255
2.	MBA (FB&E)	135	98	98	98	61
3.	BBA-MBA	2349	1971	776	414	183

The cut off marks for short-listing candidates for admitting to MBA (FT) was 79 percentile in CAT and for BBA-MBA programme 68 Marks in IPMAT.

Student Achievements

Three full time doctoral students viz. Ms Riya Shah, Mr Nishant Agarwal and Ms Urmi Khatri received an award of Centrally-Administered Full Term Doctoral Fellowship from Indian Council for Social Science Research (ICSSR) for the year 2019-20. This award comprises of monthly research scholarship and a fund for administering their research work.

Number of Students who have passed the following exams:

CAT/GMAT = 24

MBA Students

Name of the Participant	Name of the institute organising the event	Name of the event taken part in	Description of Event	Date of Event	Final Result	Appreciation
Arnav Singh	GJQ1, Ahmedabad Quiz Club's Annual Quiz Fest	College General Quiz at GJQ1, Ahmedabad Quiz Club's Annual Quiz Fest	Quiz	27.07.2019	1st place	Cash prize and certificate
Abhinav Dhar	GJQ1, Ahmedabad Quiz Club's Annual Quiz Fest	College General Quiz at GJQ1, Ahmedabad Quiz Club's Annual Quiz Fest	Quiz	27.07.2019	1st place	Cash prize and certificate
Abhinav Dhar	AMA	India Quiz at AMA	Quiz	10.08.2019	1st place	Gift Hampers
Abhinav Dhar	AMA	Japan Quiz at AMA	Quiz	31.08.2019	1st place	Dinner with Japanese Consulate General at Mumbai and Gift Hampers

Abhinav Dhar	NTPC Electron West Zone	NTPC Electron West Zone	Quiz	17.09.2019	1st place	Cash prize and certificate
Arnav Singh	NTPC Electron West Zone	NTPC Electron West Zone	Quiz	17.09.2019	1st place	Cash prize and certificate
Abhinav Dhar	Barefoot, National Level Sports Quiz	Barefoot, National Level Sports Quiz	Quiz	17.11.2019	All India 3rd Rank amongst Students and 10th overall	Certificate
Abhinav Dhar	College of Engineering, Pune	National Level India Quiz at College of Engineering, Pune	Quiz	27.09.2019	1st place	Cash prize and certificate
Arnav Singh	Lallantop Quiz by India Today Group	Lallantop Quiz by India Today Group	Quiz	09.10.2019	2nd place	Certificate
Abhinav Dhar	Lallantop Quiz by India Today Group	Lallantop Quiz by India Today Group	Quiz	09.10.2019	2nd place	Certificate
Rohit Mishra	IIM-Indore (Navi Mumbai)	SIMUL-UP	Simulation based game	12.10.2019	4th place	Certificate
Jaydeep Jain	IIM-Indore (Navi Mumbai)	SIMUL-UP	Simulation based game	12.10.2019	4th place	Certificate
Prerit Choudhary	IIM-Indore (Navi Mumbai)	SIMUL-UP	Simulation based game	12.10.2019	4th place	Certificate
Sayyam kogta	IIM-Indore (Navi Mumbai)	SIMUL-UP	Simulation based game	12.10.2019	4th place	Certificate
Arnav Singh	National Thermal Power Corporation Ltd. Electron Nationals	NTPC Electron Nationals	Quiz	14.10.2019	3rd place	Certificate
Abhinav Dhar	National Thermal Power Corporation Ltd Electron Nationals	NTPC Electron Nationals	Quiz	14.10.2019	3rd place	Certificate
Abhinav Dhar	National Institute of Industrial Engineering, Mumbai	NITIE, Mumbai (Prerana General Quiz)	Quiz	16.10.2019	2nd place	Cash prize and certificate
Kavya Shah	National Institute of Industrial Engineering, Mumbai	NITIE, Mumbai (Prerana General Quiz)	Quiz	16.10.2019	2nd place	Cash prize and certificate

Arnav Singh	National Institute of Industrial Engineering, Mumbai	NITIE, Mumbai (Prerana General Quiz)	Quiz	16.10.2019	2nd place	Cash prize and certificate
Abhinav Dhar	Indian School of Business	Sphinx, The Geopolitical Quiz	Quiz	27.10.2019	1st place	Cash prize and certificate
Arnav Singh	ISB, Hyderabad	Business Quiz at ISB, Hyderabad	Quiz	02.11.2019	National Finalists	Certificate
Abhinav Dhar	ISB, Hyderabad	Business Quiz at ISB, Hyderabad	Quiz	02.11.2019	National Finalists	Certificate
Abhinav Dhar	PDPU	General Quiz at PDPU	Quiz	09.11.2019	1st place	Cash prize and certificate
Abhimanyu Singh	Reliance Quiz-A-Thon	The Technology Quiz, Reliance Quiz-A-Thon	Quiz	10.11.2019	2nd place	Cash prize and certificate
Abhinav Dhar	Reliance Quiz-A-Thon	The Technology Quiz, Reliance Quiz-A-Thon	Quiz	10.11.2019	2nd place	Cash prize and certificate
Nehal Lodha	IIM-Udaipur	Vaad Vivaad	Debate competition	08.11.2019	6th Place	Certificate
Somya Jaiswal	IIM-Udaipur	Vaad Vivaad	Debate competition	08.11.2019	6th Place	Certificate
Utkarsh Gupta	Goa Institute of Management	Indipedia	Quiz	18.11.2019	Winner	Prize
Abhinav Dhar	MICA	BizTech Quiz @ MICAncas, MICA	Quiz	22.11.2019	1st place	Cash prize and certificate
Abhinav Dhar	MICA	General Quiz @ MICAncas, MICA	Quiz	22.11.2019	1st place	Cash prize and certificate
Abhinav Dhar	Rajagiri Centre for business studies, Kochi	Rajagiri National Business quiz 2019	Business quiz	23.11.2019	2nd place	Cash prize and certificate
Arnav Singh	Rajagiri Centre for business studies, Kochi	Rajagiri National Business quiz 2019	Business quiz	23.11.2019	2nd place	Cash prize and certificate
Kavya Shah	GIM, Goa	Khelbaaz, Sports Quiz by GIM, Goa	Quiz	03.12.2019	1st place	Cash prize and certificate
Abhinav Dhar	GIM, Goa	Khelbaaz, Sports Quiz by GIM, Goa	Quiz	03.12.2019	1st place	Cash prize and certificate
Abhimanyu Singh	Reliance Quiz-A-Thon	The Reliance Quiz, Reliance Quiz-A-Thon	Quiz	07.12.2019	1st place	Cash prize and certificate
Abhinav Dhar	Reliance Quiz-A-Thon	The Reliance Quiz, Reliance Quiz-A-Thon	Quiz	07.12.2019	1st place	Cash prize and certificate
Abhinav Dhar	T. A. Pai Management Institute	Quiz on the beach	Business quiz	08.12.2019	1st place	Certificate

Arnav Singh	T. A. Pai Management Institute	Quiz on the beach	Business quiz	08.12.2019	1st place	Certificate
Ipshita Paul	T. A. Pai Management Institute	Quiz on the beach	Business quiz	08.12.2019	1st place	Certificate
Kavya Shah	T. A. Pai Management Institute	Quiz on the beach	Business quiz	08.12.2019	1st place	Certificate
Kavya Shah	NMIMS, Hyderabad	Gen Quiz by NMIMS, Hyderabad	Quiz	19.12.2019	1st place	Cash prize and certificate
Abhinav Dhar	NMIMS, Hyderabad	Gen Quiz by NMIMS, Hyderabad	Quiz	19.12.2019	1st place	Cash prize and certificate
Kavya Shah	MSU Baroda	Bookmark, General Quiz at MSU Baroda's Literature Festival	Quiz	04.01.2020	3rd place	Certificate
Abhinav Dhar	MSU Baroda	Bookmark, General Quiz at MSU Baroda's Literature Festival	Quiz	04.01.2020	3rd place	Certificate
Prateek Mittal	NMIMS-Hyderabad	Elixir	Case study	10.01.2020	3rd place	Certificate
Deepak Kumar dash	NMIMS-Hyderabad	Elixir	Case study	10.01.2020	3rd place	Certificate
Shubham H Patel	NMIMS-Hyderabad	Elixir	Case study	10.01.2020	3rd place	Certificate
Jaynil Panchal	SIBM-Bangalore	Opsathena	Case study	18.01.2020	4th place	Certificate
Sourav Karnani	SIBM-Bangalore	Opsathena	Case study	18.01.2020	4th place	Certificate
Rashi Virmani	Dewang Mehta National Education Awards	Best Student in Management	Dewang Mehta National Education Awards	22.02.2020	First Runner Up	Cash prize of ₹60,000, Certificate and Trophy
Vishad Mehta	Institute of Language Studies and Applied Social Sciences	ENQUESTA	Anand	21.01.2020	Runner Up	Certificate, Cash prize

Value added Workshops

S No	Name of Workshops	Date of Introduction	Trainer / Firm	Remarks	Number of students
1	Workshop on Grooming	13.07.19	Trainer's Joint	The workshop aims to help in personality development and prepare students for facing interviews. Conducted for MBA-II and IMBA-V year students.	301

2	Career Clarity Programme (Phase 2)	26.07.19	Klarity.in	Training and development programme and workshops conducted for MBA-II and IMBA-V year students in 3 phases. Phase 1 - Career Clarity Programme, Phase 2 - Career Development Programme, 3 - Placement Cracker Programme.	301
3	Career Clarity Programme (Phase 3)	13.09.19	Klarity.in	Training and development programme and workshops conducted for MBA-II and IMBA-V year students.	301
4	SDG Print Lab	01.11.19	CEE	A workshop on SDG was conducted for first year BBA-MBA students	192
5	Business English Certification (BEC) (Cambridge)	01.2.2020	TCS ION	The Vantage Level B2 BEC certification (Cambridge) is being offered for MBA (I) and IMBA (IV) students. Content covers four areas viz. Reading, Writing, Speaking and Listening. (4 modules)	325

Value Added Courses

Sr No	Batch	Div	Name of Workshop	Date of Workshop	Name of Trainer
1	2019-24	A	Presentation Skills	19/08/2019 & 20/08/2019	Prof Deepa Sanghavi
2	2019-24	B	Presentation Skills	22/08/2019 & 23/08/2019	Prof Deepa Sanghavi
3	2019-24	C	Presentation Skills	30/08/2019 & 31/08/2019	Prof Deepa Sanghavi
4	2019-24	A	Time Management	13/01/2020 & 16/01/2020	Prof Pallavi Mittal
5	2019-24	B	Time Management	09/01/2020 & 10/01/2020	Prof Krishna Kanabar
6	2019-24	C	Time Management	09/01/2020 & 10/01/2020	Prof Srirupa Banerjee
7	2019-24	A	Yoga and Total Health	During February, 2020	Ms Jyoti Patel
8	2019-24	B	Yoga and Total Health	During February, 2020	Ms Jyoti Patel
9	2019-24	C	Yoga and Total Health	During February, 2020	Ms Jyoti Patel
10	2019-24	A,B,C	Sustainable Development Goals	During Term-II and III	Ms Meena A S, Mr Abhishek Pawar, Mr Abhishek John, Ms Shivangi Desai and Ms Srinithi Mani
11	2018-23	A	Spreadsheets	13/11/2019 & 14/11/2019	Mr Abhijit Telang

12	2018-23	B	Spreadsheets	19/11/2019 & 20/11/2019	Mr AbhijitTelang
13	2018-23	B	Personality Development	11/03/2020 & 13/03/2020	Ms Rebecca Sudan
14	2017-22	A	Career Planning and Goal Setting	15/11/2019 & 16/11/2019	Mr Firdose Kapadia
15	2017-22	B	Career Planning and Goal Setting	18/11/2019 & 19/11/2019	Mr Firdose Kapadia
16	2017-22	A	Business Etiquette	06/03/2020 & 07/03/2020	Ms Sandhya Anantani
17	2017-22	B	Business Etiquette	12/03/2020 & 13/03/2020	Ms Sandhya Anantani

Co-curricular activities organised

EVENTS

MBA

Sr No	Event Name	Event Date	Duration	Club Name
1	Post Budget Session	2-Apr-19	1 day	Finesse - The Finance Club
2	Slam Dunk	8-Apr-19	5 days	Sports Committee
3	Monetrix	9-Apr-19	1 day	Finesse - The Finance Club
4	MarvelLeague	9-Apr-19	1 day	Sumantra - The literary Club
5	Caught By Kotler	9-May-19	1 day	NiChe - The Marketing Club
6	E-Insights	9-May-19	1 day	Swayam - The Entrepreneurship Club
7	Spotlight	3-Jun-19	1 day	XquizIT
8	Introduction Ceremony	7-Jun-19	1 day	Student Welfare Committee
9	DWAND	8-Jun-19	2 days	Karwaan
10	Filmykeeda	9-Jun-19	1 day	Chehre
11	Breakout	11-Jun-19	1 day	Rotract
12	Cric8 & Smashes	11-Jun-19	5 days	Sports Committee
13	Final Fray	3-Jul-19	1 day	Imprintz - The HR Club
14	BOLOAZADI	8-Jul-19	7 days	Fiesta
15	LIFE SIZE 2.0	8-Jul-19	1 day	Student Welfare Committee
16	National quizzing festival	9-Jul-19	2 days	XquizIT
17	Zumba Workshop and Band Event	10-Jul-19	2 days	Fiesta
18	Roomies	11-Jul-19	2 days	Expressions
19	I Understand'	12-Jul-19	1 day	Student Welfare Committee
20	Brandwizer	25-Jul-19	1 day	NiChe - The Marketing Club
21	Apratim - The talent Night	27-Jul-19	1 day	Cultural Committee
22	Deportes	1-Aug-19	1 day	XquizIT
23	Op- Strat	2-Aug-19	1 day	Optimus - The Operations Club
24	Friendship Day	4-Aug-19	1 day	Rotract
25	Budget Session	7-Aug-19	1 day	Finesse - The Finance Club
26	Ignus 4.0	8-Aug-19	1 day	Clique - The IT Club

27	Paint Ball	9-Aug-19	1 day	Imprintz - The HR Club
28	Showdown	20-Aug-19	3 days	Expressions
29	Anveshan 7.O	21-Aug-19	1 day	XquizIT
30	Nandotsav Pooja	24-Aug-19	1 day	Cultural Committee
31	Exposure	26-Aug-19	1 day	Pratikriti
32	Jam Session 1.0	27-Aug-19	1 day	Fiesta
33	MarvelLeague	27-Aug-19	1 day	Sumantra - The literary Club
34	Avighna Chaturthi	2-Sep-19	7 days	Cultural Committee
35	Drop of Ink	3-Sep-19	1 day	Sumantra - The literary Club
36	Ranbhoomi	10-Sep-19	15 days	NiChe - The Marketing Club
37	Excel Certification Workshop	11-Sep-19	1 day	Clique - The IT Club
38	Onam	11-Sep-19	1 day	Cultural Committee
39	Pragaman 4.0	12-Sep-19	2 days	Swayam - The Entrepreneurship Club
40	Nirma Champions League	1-Oct-19	35 days	Sports Committee
41	Rangeelo Raas – The Garba Night	5-Oct-19	1 day	Cultural Committee
42	Break the code 6.0	10-Oct-19	1 day	Optimus - The Operations Club
43	Junk to Jewel	15-Oct-19	2 days	Swayam - The Entrepreneurship Club
44	Excel Workshop	17-Oct-19	2 days	Clique - The IT Club
45	JAM SESSION 1.0	17-Oct-19	1 day	Fiesta
46	Business Quiz	22-Oct-19	1 day	XquizIT
47	Scavengers	23-Oct-19	1 day	NEWS Junction
48	Chakravyuh	24-Oct-19	1 day	Karwaan
49	Nirma Foosball League	2-Nov-19	2 days	Expressions
50	Ice Breaking	7-Nov-19	3 days	Sports Committee
51	Business Standard Quiz	9-Nov-19	2 days	XquizIT
52	Parakram 2019	10-Nov-19	3 days	Sports Committee
53	Investibull	11-Nov-19	1 day	Finesse - The Finance Club
54	Paradigm-4.0	12-Nov-19	1 day	NEWS Junction
55	Exposure 3.0	14-Nov-19	1 day	Pratikriti
56	Khistij	15-Nov-19	1 day	Imprintz - The HR Club
57	Saaransh	18-Nov-19	1 day	Sumantra - The literary Club
58	Zumba Workshop, Bollywood night	19-Nov-19	2 days	Fiesta
59	Monopoly	19-Nov-19	2 days	Swayam - The Entrepreneurship Club
60	Manthan	21-Nov-19	1 day	Rotract
61	Armageddon	3-Dec-19	3 days	Expressions
62	Financial Modelling Workshop	9-Dec-19	3 days	Finesse - The Finance Club
63	Open Mic Eve	9-Dec-19	1 day	Karwaan
64	Workshop - Credit Analysis and FSA	10-Dec-19	2 days	Finesse - The Finance Club
65	Zumba and Band Concert	12-Dec-19	3 days	Fiesta

66	Cyclathon	15-Dec-19	1 day	Rotract
67	Creative cut- the short film fest	31-Dec-19	3 days	Chehre
68	Perspective Richter	16-Jan-20	3 days	Cultural Committee
69	Curiosity	22-Jan-20	1 day	XquizIT
70	MELANGE	22-Jan-20	1 day	XquizIT
71	Drop of Ink	21-Feb-20	2 days	Sumantra - The literary Club

BBA-MBA

Sr No	Event Name	Date	Club Name
1	Freshers	8-Aug-19	Abhivyakti
2	Teachers Day	5-Sep-19	Abhivyakti
3	Rangtaali	4-Oct-19	Abhivyakti and Ritayan
4	Cuppamania	29-Nov-19	Abhivyakti
5	Spotlight	9-Jan-20	Abhivyakti
6	Genesis	18&19-Feb-20	Abhivyakti
7	AAAYAM: The Business Fest	13-Sep-19	Adityavat
8	AAROHAN- The BBA CONCLAVE	20&21- Dec-19	Adityavat
9	Adityavat Model United Nations	28&29-Feb-20	Adityavat
10	Ignition 3.0	27-Aug-19	Vichardhara
11	Brand Wars	5-Oct-19	Vichardhara
12	Don't get me started	5-Feb-20	Vichardhara
13	Food Drive	20-Aug-19	Mavericks
14	Chhichorre	1-Oct-19	Mavericks
15	Wisdom Valley	6-Nov-19	Mavericks
16	Mistletoe Mania	14-Dec-19	Mavericks
17	Cyclothon	2-Feb-20	Mavericks
18	Propshop 2.0	3-Oct-19	Spinshot-Photography & Film Making Club
19	Photowalk	28-Dec-19	Spinshot-Photography & Film Making Club
20	Theme Based Photography Competition	online 7-17-Jan-20	Spinshot-Photography & Film Making Club
21	Shutterbugs	18-Feb-20	Spinshot-Photography & Film Making Club
22	Ice Breaker	21-Aug-19	Khelnayak
23	Senior vs Junior	23-29-Sep-19	Khelnayak
24	Crickshetra 3.0	10-23-Dec-19	Khelnayak
25	PS4 "FIFA 20 tournament"	1-Jan-20	Khelnayak
26	Batti Gul Picture Chalu	10-Sep-19	Deja View
27	film – o – freaks	28-Nov-19	Deja View
28	Treasure Hunt	28-Nov-19	RCIMNU
29	Yaadein	28-Nov-19	RCIMNU
30	Jazbaa	22-Aug-19	Ritayan
31	Poltergeist 2.0	18-Dec-19	Ritayan

Sports Activities:

1. Sports Activities:

1. Ice Breaker 2019 - An event of matches between mixed teams of juniors and seniors in volleyball and basketball was conducted on 21 August 2019.
2. Seniors versus juniors sports events were conducted from 23 to 29 September, 2019. The event consisted of four sports namely, Cricket, Football, Basketball and Volleyball. The event was received well with more than 80 participants and several members of the audience.
3. CRICKSHETRA 3 was organised from 10 to 23 December 2019. This was an Intra-institute cricket tournament where 126 students participated.
4. FIFA Tournament was organised on 1 January 2020. The event consisted of knockout rounds, two semifinals and a final round. 80 participants participated in this tournament.

2. Performance in Sport Activities

1. Seniors versus juniors Cricket- The winners for cricket were the third years winning against the second and the first years, the winners of basketball were first years winning against the second and third year, the winner of volleyball was the third year facing the second and the first year.
2. FIFA Tournament – First year BBA Won the Tournament.
3. CRICKSHETRA 3 – The cricket event won by Rushi Thakkar, Dev, Dhruv, Krish, Meet Sapariya, Yatiraj, Raj Bhutani, Yugal Bharadwaj, Sumit Tripathi, Khushan Lamba.

Alumni Association 2019: Activities Supporting Students

Alumni Meet 2019

The Alumni City Meet 2019 was conducted on 14th December, 2019 in four cities, Bengaluru, Delhi, Mumbai and Pune where alumni from batches of 1996-1998 to those of 2018 showed their presence. The event started with the review of the current year and the initiatives taken by the Alumni Relations Committee (Kaizen), highlights of Institute of Management, Nirma University and the further course of action were discussed by the attendees. All the faculty and the alumni present engrossed themselves in a rich discussion on how improvements can be made and what changes in the structure and ideology of the students might be fruitful for both the institution and the students. The lunch was followed by an interactive session. As a token of love from the Institute, all the alumni were presented a scented candle as a souvenir.

Below is the summary of the number of attendees across the four cities.

City	Number of Attendees
Bengaluru	31
Delhi	12
Mumbai	36
Pune	32
Grand Total	111

Admissions

To have an industry and alumni perspective in the selection process of candidates for admission in MBA [FT] Programme, the Institute has involved senior alumni as part of the admission interview panel. The initiative was appreciated and many of them showed interest to participate in many other events at IMNU.

The following alumni were involved as panel member for Admission Interviews during February 2020:

Sr No	Name	Designation	Company	Batch
1	Puneet Taneja	General Manager Sales	Aditya Bira Fashion and Retail Ltd	2007-09
2	Arpit Jain	Product Manager	Kotak Mahindra Bank	2012-14
3	Sapan Oza	Regional Manager	TCS	1999-01
4	Akshita Bhatnagar	HR Business Partner	Amazon	2008-10
5	Gaurav Ahuja	Cluster Head	Kotak Mahindra Bank	2002-04
6	Nishit Modi	Director	Karnavati chemicals	1998-00
7	Sujeet Sethi	Associate Director	Next India Research Foundation	2012-14
8	Poussin Punnose	Senior consultant	Amnex Info Technologies	1998-00
9	Preet Shah	Management Trainee	H&R Johnson	2017-19
10	Keyur Jathal	Regional Manager	Tata Capital	2001-03
11	Smit Mehta	Assistant Manager	TCS	2012-14
12	Manojkumar Maheshwari	Deputy Manager-Financial Planning and Analysis	Adani group	2009-11
13	Farookh Rusi Bharucha	Zonal Manager	ICICI Bank	1998-00
14	Sameer Dwivedi	Vice President	Indus Bank	1997-99
15	Parthiv Jhaveri	Owner	Alpha Digital Home	1999-01
16	Ronak Shah	Senior Consultant	Infosys	2009-11
17	Vinay Mantri	Talent Advisor	Vyakta	2013-15
18	Isha Shah	HR	Ernst & Young	2011-13
19	Vipul Agarwal	Business Sustaining Manager	Schlumberger	2010-12
20	Kapil Jagdale	Senior Business Analyst	Tata technologies	2008-10
21	Siddharth Udani	Assistant Manager	Balmer lawrie and co	2010-12
22	Anuj Goenka	Associate VP	Kotak	2011-13
23	Naveen Kejriwal	General Manager	Lenevo	1998-00
24	Amlan Ray	Senior Rating Analyst	CRISIL	2008-10
25	Mukesh Goyal	Director	Printed electronics	2001-03
26	Anjan Shah	Director	Dewas Metal Sections Ltd	2002-04
27	Nidhi Jain	HR Leader	ClearTrail Technologies	2002-04
28	Soumitra Tiwari		TCS	2014-16
29	Ashish Sethi	Director	Panchowala Builders	2002-04

			and Developers	
30	Sunil Singh Rana	Head-Marketing	Sistema Shyam Tele Services	1996-98
31	Simant Bhargava	Senior Manager	Nielson	2008-10
32	Manali	Manager	Axis Bank	2009-11
33	Aastha Dhingra	Deputy Manager - HR	GSFC Ltd	2010-12
34	Padmavathi Srinivasan	Senior Manager - Strategy & Planning	Quess Corp Limited	2010-12
35	Pradipta Saha	Cluster Head	HDFC Bank	2009-11
36	Saurabh Sharma	Senior Manager	Maylan Laboratories Ltd	2009-11
37	Pratish Nair	Senior Manager	Wipro Technologies	2008-10
38	Priyatna Basu	Ex Vice President	Yes Bank	2005-07
39	Shivani Arora	Associate Consultant	Infosys	2010-12
40	Ankit Mathur	Global Portfolio Manager	Amazon	2010-12
41	Anupam Aggrawal	Head Sales and Marketing	Sterilte Technologies	1997-99
42	Dharmendra Surana	Co founder	Adhishwar Food products	2004-06
43	Pankush Kapoor	Business Consultant	Absolute Data Analytics	2012-14
44	Divyanshu Shekhar	Co Founder & Partner	Weprep Learning Solutions LLP	2001-03
45	Divyanka Verma	Associate Consultant	Infosys	2004-06
46	Sharad Kumar	COO	Fincare	1997-99
47	Arjun Sharma	Manager	Penguin Random House	2010-12
48	Joe Kushy	Senior Consultant	Cognizant	2006-08
49	Arnav Sharma	Marketing lead	TCS	2007-09
50	Rohit Sahni	Regional Business Development Manager	Vedanta	2004-06
51	Arvind Jalan	Manager	Kotak Mahindra Bank	2004-06
52	Aashish Juneja	Cloud Evangelist, Seller, Researcher	Oracle	1997-99
53	Meenu Bagla	Head Global Brand and Digital Marketing	Tech Mahindra	1998-00
54	Anupam Garg	Manager	Edgeverve	2007-09
55	Ankur Goel	Proprietor	Reduction Masters	2007-09
56	Kashyap Rao	Principle Consultant	Gallup	2012-14
57	Mayank Kaushik	Head- Hospitality	OYO	2007-09
58	Nikhil Aggrawal	Manager	Ernst & Young	2007-09
59	Bipasha Sarkar	People Manager	Eko India Financial Services Pvt Ltd	2012-14
60	Gunjan Jain	Senior Associate Consultant	Ernst & Young	2012-14

Alumni Day 2019

This year “Alma Utsav”, the Alumni day was celebrated on October 5, 2019 bringing in the spirits of celebration along with the cheerfulness and fun of festivals. Around 192 alumni came back to their roots to be a part of IMNU, and cherish the good old memories by celebrating and being a part of the event organized by Kaizen- the Alumni Relations Committee. The day began with fun-filled activities. Various games hosted by the faculties and re-engaging with the faculties made them nostalgic.

Later that day, the alumni had a great time reconnecting among themselves and interacting with the current batch. Post lunch, the ambience of Utsav was all around with fun and laughter as the alumni enjoyed at the stalls of delightful food items. Meanwhile, there was a curriculum review meeting organised in order to gain insights from alumni, who have been a part of the process, and along with it a board meeting was arranged with the faculties.

Adding to the charm of the day there were jaw-dropping performances by Chehre- The Dramatic club, Fiesta- The music and dance club of IMNU. Pratikriti- The Photography club launched their magazine – Lens 3.0 and the annual alumni magazine – A link, was inaugurated in the same session. The day concluded with dinner along with music and by dancing on the garba tunes as “RangeeloRaas”- the garba night of IMNU was organised by the cultural committee.

Institute Lecture Series (Alumni)

S No	Name of Expert, Designation & Organisation	Topic	Date
1	Ms Akanksha Bumb, Founder & COO, F5 Escape	The Road Not Taken	01.02.2020
2	Mr Anurag Kabra, Co-Founder, Madanmohan Govindlal	The Road Not Taken	01.02.2020
3	Mr Dhruvil Patel, Director, BPC Projects	The Road Not Taken	01.02.2020
4	Mr Abbey Thomas, Associate Director, Kellogg Company	The Road Not Taken	01.02.2020
5	Mr Anubhav Sood, Client Relationship Manager, Amazon Internet Services	The Road Not Taken	01.02.2020
6	Ms Charul Mehta, Lead Business Analyst, CGL	The Road Not Taken	01.02.2020
7	Mr Manu Pratap Solanki, IT Innovation Manager, HUL	The Road Not Taken	01.02.2020
8	Mr Rajesh Hudda, Sintex Industries	The Road Not Taken	01.02.2020
9	Mr Parth Das, Associate Director, SAP	The Road Not Taken	01.02.2020
10	Ms Priyatna Basu, Vice President, Yes Bank	The Road Not Taken	01.02.2020
11	Ms Aastha Tatia, Anchor	The Road Not Taken	01.02.2020
12	Mr Thomas Mampilly, HR Business Partner, Wells Fargo	The Road Not Taken	01.02.2020

CHRO Lecture Series 1 – 2019

The Institute of Management, Nirma University, hosted the 1st Institute CHRO Lecture Series on 29th November, 2019 on ‘Artificial Intelligence in India’. The guest lecture was conducted by Mr Yogi Sriram, Advisor to CEO & MD, Group HR, L&T. Mr Sriram is a self-driven and focused HR leader with over 42 years of experience in multiple HR functions across diverse industries like Manufacturing, Hospitality, Finance, FMCG, Engineering, Petroleum, and Construction. His

expertise is in the areas of talent spotting, succession planning, career sculpting, organisation development, talent management, and change management. He is also one of the longest-serving HR leaders in the country. The session helped students to understand the application of AI in human resources and all other domains as they saw real-life examples of how artificial intelligence is being used in businesses today. The lecture ended with talks about data privacy, common pitfalls, AI- a job creator or destroyer and the future of this technology. Students of the first year, as well as second-year, discussed and asked their queries on the theme of disruption, economy, and career.

Placements

The Institute has received considerable support from its Alumni in placing the students. The following Alumni were directly involved in the recruitment process as a member of the visiting team for campus recruitment.

S No	Name of Alumni	Designation	Name of Organisation
1.	Mitul Budhabhatti	Asst General Manager	CARE
2.	Naresh Golani	Associate Director	CARE
3.	Deval Sarang	Corporate Sales Manager	HDFC Standard Life Insurance Company Ltd
4.	Somnath Bose	Associate Vice President - HR	HDFC Standard Life Insurance Company Ltd
5.	Shivani Vora	Sr. Associate Lead - Talent Acquisition	Infosys Ltd
6.	Harleen Sodhi	Lead – Talent Acquisition	Infosys Ltd
7.	Sapan Oza	Business Development Manager	Tata Consultancy Services Ltd
8.	Akshay Durugkar	Senior Analyst	EXL Service
9.	Parthiv Shah	DVP	HDFC Bank
10.	Prateek Chitranshi	Solution Advisor	Deloitte
11.	Vamshi Challapali	Senior Executive - Strategic Marketing	Wipro

Placements: Counselling and Training

Alumni are invited to share their industry experience with the students and help them choose the right career path. The initiative is also to provide a platform to the students to know the best practices in the industry and relate to the studies. Many of our practicing alumni delivered lectures in the area of Marketing, Finance, HR, Operations.

Faculty Guidance and Counselling Unit

The institute has a formal mentoring system, each faculty is assigned a group of students to advice/guide for the duration of their study on the campus. This ensures participation of all the faculty member in the counselling process. The process also helps to create a healthy rapport between the faculty and students.

The main purpose of mentoring is to provide opportunity to young people to share their concerns and get moral support and guidance for their overall development. It involves the following:

- ✧ Establishing a Relationship of Trust
- ✧ Modeling Behavioral Norms for the Young Person
- ✧ Listening to Personal and Job Concerns of the Young Persons
- ✧ Sharing Own Relevant Experiences thereby Making up for Experience
- ✧ Responding to the Emotional Needs of the Young Person without making him dependent on the mentor
- ✧ Building a long lasting informal relationship

- ✧ Creating awareness and clear perception on Managerial Behaviour and Social work culture
- ✧ Mentoring also contributes to social development of creating awareness, enhancing knowledge, promoting sociability and a sense of community living and making people conscious of their surroundings and development of organisational effectiveness.

Placements @ Institute of Management, Nirma University (IMNU) – 2019-20

The Institute has been consistently fulfilling student's career aspirations and has shown remarkable placements records for its students' year on year. The Placement record at IMNU for the last several years is a testimony to the acknowledgement by the Corporate of the superior quality of the students' resource, affirming they are one of the best in the country. Some of the details of the Placements for the Class of 2020 have been so far.

Average Salary (CTC)	9.00 lac/annum
Median Salary (CTC)	8.75 lac/annum
Highest Salary (CTC)	12.30 lac/annum
Companies participated	80 plus
No of students placed	260

The campus placement drive witnessed offers from prominent companies, from sectors such as - Consulting, Automobile, IT&ITES, Social Media, BFSI, FMCG, Market Research, Manufacturing, Construction & Real Estate, Healthcare, Ecommerce, Analytics, Micro Finance, Power, Consumer Durable, Telecom, etc. More than 30 new companies participated in the campus hiring process, have shown confidence in our student's resource. Companies such as Smart Cube, Bytedance (TikTok), Phone Pe, Deutsche Bank and many more hired from the campus for the first time. 2 students were hired by PT. Jaykay Files Indonesia. Companies also offered PPOs, to name a few - Pantaloons, CRISIL, EXL Services, Decent Appliances, Spacematrix, Mercados, Symtten, HDFC Bank and others. Our sincere thanks to our regular recruiters viz. Infosys, J P Morgan, EXL Service, Kotak Mahindra Bank, Axis Bank, Nielsen, CARE, CRISIL, TCS, HDFC Life, Performics Convonix, Heidelberg Cement, for their continuous patronage.

**Institute
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Institute of Pharmacy

Short Summary and Highlights of Outstanding Achievements and important activities

Ranking & Accreditation: Institute of Pharmacy has received 17th rank at all India level by NIRF 2020 (National Institutional Ranking Framework), MHRD (Ministry of Human Resource Development, Government of India). Institute also bagged the FIRST RANK amongst the Pharmacy Colleges in Gujarat state with FIVE STAR rating and overall CGPA of 4.51 in Gujarat State Institutional Rating Framework (GSIRF) 2020 ratings. The UG Pharmacy (BPharm) programme of the Institute received accreditation by NBA (National Board of Accreditation) for a period of three years (2019-2022).

Major Curricular Initiatives: A new Undergraduate Research Council has been constituted to encourage interest of UG students in research related activities. Institute has signed new International MoUs with University of Turin, Torino, Italy and with this, total 5 international MoUs are active with various reputed international institutes. Two national MoUs were also signed with the industry.

Major Faculty & Student Achievements: Prof Manjunath Ghate, Director, Institute of Pharmacy received the ISCB Best Teacher Award in Drug Research for the year 2019-20. Prof Ghate visited South West University, China as Visiting Professor during 8 to 20 July, 2019.

BPharm Alumni Mr Vandit G Shah (15BPH103) and Prof Jigna S Shah received a grant for their Innovation/Start-up under Student Open Innovation Challenge programme under SSIP, Government of Gujarat. PhD scholar, Mr Manan Shah and 12 students of BPharm attended a 4 week Clinical Summer Training Programme at School of Pharmacy, University of Southern California, Los Angeles, California, United States of America as visiting Scholars. PhD scholar, Ms Krishna H Bhalodi has been awarded with Honorable Chief Minister Fellowship under “Shodh Yojana” Scheme, Government of Gujarat. PhD scholar, Mr Vishal Chavda has received prestigious YITP IBRO Young Scientist Award 2019 in the World Conference of Neuroscience at IBRO 2019, organized by International Brain Research organisation and Federation of Asian and Oceanian association of Neurology which was co-hosted by Korean Brain Research Institute and Korean Neurological Association at Daegu city, South Korea during September 21-25, 2019. He received grant of 1000 USD for expenses during his stay in Korea. PhD scholar, Ms Dhara Bhayani has received full travel grant from CSIR, Ministry of Science & Technology, Govt. of India to present a poster at 17th International Nanomedicine and Drug Delivery Symposium (NanoDDS'19) held at Massachusetts Institute of Technology, USA during September 22-24, 2019. PhD scholar, Mr Vimal Patel has received International student grant award of 200 Euro from Graphene flagship for Graphene Week 2019 held during 23-27 September 2019 at Helsinki, Finland and funded by European Union, Helsinki, Finland. PhD scholar Ms Khushali Parekh got an opportunity to visit Australia for a short term research project for her PhD work at Dr Amirali Popat's lab, University of Queensland, Australia. Drama club students of Institute of Pharmacy won 6 trophies in Inter Institute One Act Play Competition.

Major Event organised: Institute had successfully organized ISCBC-NIPiCON-2020; 5th Nirma Institute of Pharmacy International Conference, jointly with 26th ISCB International Conference on the theme “Integrating Chemical, Biological and Pharmaceutical Sciences for Innovations in Health Care” during January 22-24, 2020.

Dignitaries visited

Dignitaries visited during National Seminar of Pharmaceutical Analysis held on August 17, 2019.

1. **Dr Sanjeevkumar**, President, Biologics ZRC, Ahmedabad
2. **Dr Utpal Tatu**, Professor, IISc, Bangalore

3. **Dr Sridevi Khambhampaty**, Vice President, Intas Ltd, Ahmedabad
4. **Dr Sanjay Bandyopadhyay**, Vice President, Zydus Research Centre, Ahmedabad
5. **Dr Sabyasachi Halder**, Head, Biologics Characterisation Facility, Centre for Cellular and Molecular Platform (C-CAMP), Bangalore
6. **Dr Ravishankara MN**, General Manager (R & D) - Functional Head, Analytical Development (Biologics), Sun Pharma, Vadodara

Dignitaries visited during National Seminar on Regulatory Affairs held on August 31, 2019.

7. **Dr Rustom Modi**, Sr VP, Lupin Pharma, Pune
8. **Dr Bobby George**, Vice President & Head Regulatory Affairs, Reliance Life Sciences Pvt Ltd, Mumbai
9. **Dr Parva Purohit**, Sr Vice President R&D, Kashiv Biosciences, Ahmedabad
10. **Dr Pranjal Bordoloi**, Vice President - Clinical, Medical Affairs and Pharmacovigilance, Veeda Clinical Research, Ahmedabad
11. **Dr Krishna Menon**, Senior Scientist, Global Biologics, United States Pharmacopeia, Hyderabad

Dignitaries visited during One Day Seminar on Nano Drug Delivery organised by department of Pharmaceutics under CCE on September 22, 2019

12. **Dr Ajay Khopade**, Vice President, Drug Delivery & Manufacturing and Head, Formulations (Non-Oral), Sun Pharma, Baroda
13. **Dr Yashwant Pathak**, Professor and Associate Dean for Faculty Affairs, University of South Florida Tampa, Florida, USA
14. **Dr Nina Sharma**, Managing Director, Shamisha Resources Management, Ahmedabad
15. **Dr Sameer Dalvi**, Associate Professor, IIT Gandhinagar

Dignitaries visited during NBA Inspection held during September 28-29, 2019

16. **Dr M N Saraf**, Dean, H K College of Pharmacy, Mumbai
17. **Dr V K Kapoor**, Professor, Faculty of Pharmaceutical Sciences, Shoolini University, Bajhol, Himachal Pradesh

Following dignitaries visited the institute during ISCBC-NIPICON 2020 as experts during 22-24, January 2020.

18. **Prof Nigel G J Richards**, Professor, Department of Chemistry, Cardiff University, Cardiff, UK as Chief Guest, Inaugural function
19. **Prof Christophe LEN**, Professor, Chimie ParisTech, PSL Research University, CNRS, Institute of Chemistry for Life and Health Sciences, Paris, France as Guest of Honour, Inaugural function
20. **Prof Anamik Shah**, Vice Chancellor, Gujarat Vidyapith as President, ISCB
21. **Prof PMS Chauhan**, Professor and Scientist-F (Deputy Director), Central Drug Research Institute, Lucknow as Gen Secretary, ISCB
22. **Prof Anil K Singh**, Former Professor, Department of Chemistry, Indian Institute of Technology Bombay, Powai, Mumbai
23. **Prof Marco Lolli**, Dept of Science and Drug Technology, University of Turin (UniTo), Italy
24. **Prof KGAP Attanayake**, Head & Senior Lecturer in Biochemistry, Faculty of Medicine, University of Ruhuna, Sri Lanka
25. **Prof L El Kaïm**, Laboratoire de Synthèse Organique, ENSTA-Paris
26. **Prof Vassilios Papadopoulos**, University of Southern California, Los Angeles, California, USA
27. **Prof Harsha Rajapakse**, Department of Chemistry and Environmental Science, Medgar Evers College, The City University of New York, Brooklyn, New York, USA

28. **Dr Virinder Parmar**, Bioorganic Laboratory, Department of Chemistry, University of Delhi (India); Department of Chemistry and Environmental Science, Medgar Evers College, The City University of New York (USA)
29. **Dr Farukh Arjmand**, Department of Chemistry, Aligarh Muslim University, Aligarh
30. **Dr Bal Ram Singh**, Botulinum Research Center and Institute of Advanced Sciences, North Dartmouth, MA
31. **Dr Shipra Chauhan**, Specialty Plastics Laboratory, Research and Development Center ZEON Corporation, Kanagawa, JAPAN

Apart from this, **around 50 national experts** from various scientific organisations across India like Central University of Rajasthan, IIT Gandhinagar, School of Pharmacy, Jamia Hamdard-New Delhi, BITS Pilani, DPSRU, University of Delhi, Thapar Institute of Engineering & Technology-Patiala, S N Bose National Centre for Basic Sciences-Kolkata, CDRI Lucknow etc visited the institute during the conference.

Other Dignitaries visited the Institute:

32. **Prof Peter Little**, Head and **Dr Amirali Popat**, School of Pharmacy, Queensland University, Australia on November 11, 2019
33. **Dr M D Menon**, Adjunct Professor-Pharmaceutics, Bombay College of Pharmacy, Kalina, Mumbai on November 14, 2019
34. **Dr Shrinivas Savale**, CEO, Atal Incubation Centre, L M College of Pharmacy, Ahmedabad on November 21, 2019
35. **Dr Anuja Desai**, Director, Academics, KD Hospital and KD Institute of Nursing Sciences, Ahmedabad on December 26, 2019
36. **Prof Manoj Kumar Mishra**, Ex Vice Chancellor, Birla Institute of Technology, Mesra, Ranchi on December 26, 2019
37. **Dr Gowthamarajan Kuppusamy**, Professor and Head, Department of Pharmaceutics, JSS College of Pharmacy, Rocklands, Ooty on January 6, 2020
38. **Dr Ramashankar Dubey**, Vice Chancellor, Central University of Gujarat, Gandhinagar on March 4, 2020
39. **Dr Ranjeet V Nair**, Head-CMC, Zydus Research Centre, Ahmedabad on March 13, 2020

I- Curricular Aspects:

- **New Courses being offered:** Total 17 new courses in BPharm Sem V and VI as per syllabus and teaching and examination scheme of PCI
- **No of courses where major revision is made:**
The courses and the teaching and examination scheme of BPharm Sem VII and VIII were revised as per the norms prescribed by the Pharmacy Council of India (PCI).
- **Any other Initiate/Innovation in Curricular design:**
Initiated Introduction of Electives in MPharm Programme and addition of new University Electives in BPharm Programme.

II- Teaching-Learning and Evaluation

Faculty completed/pursuing PhD

Ms Palak K Parikh is pursuing PhD from Nirma University on the topic “Design, Synthesis & Biological Evaluation of Substituted Heterocyclic Compounds as Anticancer Agents” under the guidance of Prof Manjunath D Ghate.

Innovation in Teaching-Learning & Evaluation:

- Dr Charmy Kothari used Google Classroom for submission of assignments in the form of poster for BPharm Semester VIII students on April 18, 2019.
- Dr Charmy Kothari organised the debate for MPharm Sem II for the course of Regulatory aspects of medical devices on April 22, 2019.
- Dr Dipal Gandhi gave submission of assignments in a form of poster to BPharm semester I students on June 2, 2019.

Activities to sustain healthy practices:

- UG Research Council was constituted for strengthening research.
- Assurance of learning implemented for the each course assessment in BPharm.
- Dr Bhumika Patel organised a workshop on "How to write thesis" during 23-24 October, 2019 for final year BPharm and MPharm students.

Following workshops have been organised by Mr Virendra Goswami, I/c librarian for students and faculty members under IQAC:

- "Creation of Research ID- ORCID" on August 31, 2019.
- "Creating Citation & Bibliography using Zotero - Reference Management Open Source Software" on September 7, 2019.
- "Creating Citation & Bibliography using Mendeley - Reference Management Open Source Software" on September 21, 2019.
- "Remote login & My LOFT Application" on October 5, 2019.
- "Hands-on practice: Scopus" on January 18, 2020.

Interdisciplinary Student Projects:

- Dr Priti Mehta (Principal Investigator), Dr Snehal Patel (Co-Principal Investigator) working in collaboration with Dr Sonal Bakshi (Co-Principal Investigator) from Institute of Science on a major research project on topic "Evaluation of radioprotective potential of medicinally important Indian bamboo plants in cancer" worth Rs. 42,12,250/- from Ministry of AYUSH for the period of 2016-2019. It is still ongoing.
- Dr Shital Butani received Major Research Project worth Rs. 20,78,250/- in collaboration with Dr Akshay Vaid, Facilitation Centre for Industrial Plasma Technologies, IPR on project entitled "Exploring non-equilibrium atmospheric plasma for effective sterilization including biological safety aspects" from Board of Research in Nuclear Sciences (BRNS), Department of Atomic Energy, Government of India for the duration of April 2018 to March 2020. Dr Priti Mehta and Dr Snehal Patel are co-investigators.
- Dr Tejal Mehta (Principal Investigator), Dr Jigna Shah (Co-Investigator) and Dr Heena Dave (Co-investigator) working on Major Research Project entitled "Development and Evaluation of pH responsive multi-modal delivery platform in the treatment of oral cancer" of worth Rs. 30,00,000/- from Nirma University

Number of faculty development programmes availed by faculty

- Dr Bhagwati Saxena and Dr Vidhi Shah attended a faculty development Programme organised by the CQAAD from May 27-June 21, 2019 (28 days).

Number of Faculty Development Programmes organised by the Institute

- Two days FDP on "Teaching Methodology" under the banner of IQAC-I was organised for all the faculty members during July 11-12, 2019.

Invited/endowment lectures:

- Public lecture by Dr S Chandrasekhar, Director, CSIR-Indian Institute of Chemical Technology, Hyderabad entitled “The Saga of Science” was organised on July 26, 2019.

Sr No	Name	Designation	Lecture/ Purpose	Date	Students
1	Ms Smita Patel	Founder and Director, QuicQ GMP Consultancy Services.	Quality Systems and practices in Pharmaceutical Industry	4th April, 2019	MPharm Students
2	Dr Dipak Thakur	Director, ACRNS Analytical Technologies Pvt Ltd, Mumbai	Protein Characterization by Mass Spectrometry	6th April, 2019	MPharm and PhD
3	Dr Indermeet Singh Anand	Professor, Sarvajanik Pharmacy College, Mehsana	Carcinogenicity	20th April 2019	MPharm (Pharmacology) Semester-II
4	Dr M C Gohel	Research Director, Anand Pharmacy College	Application of Quality by design concept in the formulation development: A case study	22nd April 2019	PhD and MPharm
5	Dr Anil Khatri	Consultant Pediatrician, Ahmedabad	Thalassemia	25th April 2019	BPharm Students of semester - II
6	Shri Manoj Kumar	Scientist-D(CS), INFLIBNET, Gandhinagar	Awareness for Prevention of Plagiarism in Research	25th April 2019	PhD and MPharm and BPharm (Semester-VIII)
7	Dr Nehal Bhatt	DGM, Global IP, Amneal Pharma, Ahmedabad	Innovation, Patents and Business Strategy	26th April 2019	PhD and MPharm
8	Dr Ajit Datar	Senior Advisor-Shimadzu Analytical (India) Pvt Ltd	UHPLC: Basics of Techniques and Application	1st Aug 2019	BPharm Semester-VII, MPharm, PhD
9	Prof Evans Coutinho	Professor, Dept. of Pharm. Chemistry, Bombay College of Pharmacy, Mumbai	Molecular Modeling - A Bird's Eye View	9th Aug 2019	MPharm Pharmacology and P'Chemistry, PhD
10	Prof PR Vavia	Professor, ICT, Mumbai	Hot-melt extrusion, a pharmaceutical application	13th Aug 2019	Pharm and Ph D
11	Dr T Muraleedhara Reddy	Senior Executive-Application Scientist Toshniwal Brothers(SR) Private Limited, Bangalore	Malvern PEAQ-DSC-Ultimate technique to elucidate of higher order structure, stability and tight binding constants of Bio molecules	20th Aug 2019	MPharm and PhD
12	Dr Prinesh Patel	Sr Product Specialist - MS Waters, Ahmedabad	Basic fundamentals and applications of Chromatography and Mass spectrometry in analysis of bio-	26th Aug 2019	B Pharm Sem VII, MPharm and PhD

			therapeutics		
13	Dr Leena Patel	Head, Scientific Writing, CBCC, Ahmedabad	Immunotherapeutics: Basics and Applications	30th Aug 2019	MPharm Semester-I Pharmacology, PhD
14	Dr Ketan Savjani	General Manager, Emcure Pharmaceuticals Limited, Gandhinagar	Regulatory requirements for ANDA Filing	20th Sept, 2019	MPharm Semester-I Pharmaceutics
15	Prof Vassilios Papadopoulos	Dean, USC School of Pharmacy, USA	Transformation of Pharmacy Education	30th Sept, 2019	BPharm I and BPharm VII Sem
16	Dr Roop Khar	Former Dean and Head, Jamia Hamdard, New Delhi	Discussion on current scenario of Product Development	9th Oct, 2019	MPharm and PhD students
17	Mr Tishir Gandhi	Research Associate, ZRC, Cadila Healthcare Ltd., Ahmedabad	Process of Sterilization in the Pharmaceutical Industry	11th Oct, 2019	BPharm Sem III
18	Dr Parth Vaishnav	Psychiatrist, Samvedana Happiness Hospital, Ahmedabad	Understanding Drug Addiction	11th Oct, 2019	BPharm Semester-III & V
19	Mr Karthik Bhat	Product Manager with Inkarp Instruments, Mumbai	Flash Chromatography	18th Oct, 2019	PhD Students and MPharm Semester - I & III
20	Mr Vishalgiri Goswami	Chemistry Programme Manager, Kashiv Biosciences, NCE Discovery, Ahmedabad	Reactions and Acidity of Aromatic Acid Derivatives	19th Oct, 2019	BPharm Semester -III
21	Dr Nisith Raval	Manager, Formulation and Development, Meteoric Biopharmaceuticals Pvt. LTD	Basic concepts of dietary supplements and functional food	25th Oct, 2019	BPharm Semester - VII
22	Mr Mohammad Mutvalli	AIIESEC, Ahmedabad	Introductory seminar about student opportunity for an international internship	23rd Oct, 2019	BPharm Semester - V
23	Dr Anupama Ramkumar	Director, , Ahmedabad	Clinical Data Management	11th November, 2019	M Pharm Sem III
24	Dr (Mrs) M D Menon	Adjunct Arkus Research Pvt Ltd., Professor-Pharmaceutics, Bombay College of Pharmacy, Kalina, Mumbai	Mucosal Vaccine Delivery Approaches via The Respiratory Route	14th Nov, 2019	MPharm Semester – I & III students (Pharmaceutics) and PhD Scholars
25	Dr Shrinivas Savale	CEO, Atal Incubation Centre, LM College of Pharmacy, Ahmedabad	Outreach activities of Atal Incubation Centre in area of Pharmaceutical and Healthcare sector	21st Nov, 2019	PhD and MPharm Students

26	Dr Gaurang Shah	Professor, L M College of Pharmacy, Ahmedabad	Clinical Pharmacokinetics	25th Nov, 2019	MPharm Semester- I & III students (Pharmacology) and PhD Scholars
27	Mr Nitin Jade	Service Manager, Advance Scientific Equipment Pvt Ltd Mumbai	Nanoparticle Characterization using Horiba SZ-100	11th Dec, 2019	PhD and MPharm Sem-III (Pharmaceutics)
28	Dr Anuja Desai	Director, Academics for KD Hospital and KD Institute of Nursing Sciences	Lasik Surgery	26th December, 2019	BPharm Semester-I
29	Prof Manoj Kumar Mishra	Ex Vice Chancellor, Birla Institute of Technology, Mesra, Ranchi	A Ringside view of the challenges before Higher Technical Institutions of India	26th Dec, 2019	MPharm Semester-III and PhD
30	Dr Gowthamarajan Kuppusamy	Professor & Head, JSS Academy of Higher Education & Research, Ooty	Future Pharmaceuticals - Safe Design of Drug Delivery Systems	6th Jan, 2020	PhD and MPharm Semester - II and IV
31	Mr Keyur Butani	Dr Reddy's Laboratory, Hyderabad	Complex Injectable drug delivery and its challenges	3rd Feb, 2020	MPharm (Pharmaceutics) & BPharm Sem-VI
32	Prof Sunil Jambhelkar	Professor of Pharmaceutical Sciences, LECOM School of Pharmacy, Florida, USA	IVIVC and PK Software	11th Feb, 2020	MPharm & PhD
33	Prof Sunil Jambhelkar	Professor of Pharmaceutical Sciences, LECOM School of Pharmacy, Florida, USA	Basic Concept of Pharmacokinetics	11th Feb, 2020	BPharm VI & VIII and MPharm (Pharmaceutics)
34	Prof Sunil Jambhelkar	Professor of Pharmaceutical Sciences, LECOM School of Pharmacy, Florida, USA	Problem Solving in Research Projects	15th Feb, 2020	MPharm and PhD
35	Ms Neha Lal	Senior General Manager, Hospital Operation Hospital Operations & HR GCS Medical College, Hospital and Research centre Ahmedabad	Carrier options in Healthcare management sector	20th Feb, 2020	BPharm VIII and MPharm IV (Pharmaceutical Analysis)
36	Dr Punna Rao Ravi	BITS Pilani, Hyderabad	Convolution and deconvolution in IVIVC	2nd March, 2020	MPharm Sem - II & IV (Pharmaceutics)
37	Dr Ranjeet V Nair	Head-CMC, Zyduz Research Centre, Ahmedabad	Oxidations in Organic Synthesis	13th March, 2020	MPharm (Pharmaceutical Chemistry), Ph D

III. - RESEARCH, CONSULTANCY AND EXTENSION

Research Project:

Major Research Projects funded by Nirma University

Financial Year	Completed		Ongoing		Sanctioned	
	Number	Amount	Number	Amount	Number	Amount
2019-20	1	28.92	1	30.00	-	-
2018-19	-	-	1	28.29	-	-

Major Research Projects funded by externally funding Agencies

Financial Year	Completed		Ongoing		Sanctioned	
	Number	Amount	Number	Amount	Number	Amount
2019-20	1	55.00	3	83.60	2	585.00
2018-19	2	45.60	5	184.14	1	350.00

Minor Research Projects funded by Nirma University

Financial Year	Completed		Ongoing		Sanctioned	
	Number	Amount	Number	Amount	Number	Amount
2019-20	4	3.80	2	4.0	6	5.00
2018-19	3	2.75	-	-	6	7.80

Minor Research Projects funded by externally funding Agencies

Financial Year	Completed		Ongoing		Sanctioned	
	Number	Amount	Number	Amount	Number	Amount
2019-20	1	2.70	-	-	1	270000
2018-19	2	6.70	3	11.05	-	-

Details of Project:

Completed Major Research Projects

Sr. No.	Title of the Project	Project Investigator/s	Funding Agency	Grant (in ₹)
1.	Formulation Development and Evaluation of Nanoparticulate Systems for Targeted Delivery of Anticancer Agents	Prof. Mayur Patel, Prof. Bhumika Patel	Nirma University	28,92,400/-
2.	FIST grant	Prof. Manjunath Ghatge	Department of Science and Technology	55,00,000/-
Total Grant				83,92,400/-

Ongoing Major Research Projects

Sr. No.	Title of the Project	Project Investigator/s	Funding Agency	Grant (in ₹)
1	Exploring Non-Equilibrium Atmospheric Plasma for Effective Sterilization Including Biological Safety Aspects	Prof. Shital Butani, Prof. Priti Mehta	Board of Research in Nuclear Sciences (BRNS)	20,78,300/-
2	Evaluation of Radio Protective Potential of Medicinally Important Indian Bamboo Plants in Cancer	Prof. Priti Mehta, Prof. Snehal Patel, Prof. Sonal Bakshi,	Ministry of Ayush	42,00,000/-
3	Evaluation of DNA Polymerase Inhibitors for The Treatment of Alzheimer's Disease	Prof. Jigna Shah, Prof. Hardik Bhatt	Gujarat State Biotechnology Mission (GSBTM)	20,81,900/-
4	Development and Evaluation of PH Responsive Multi-Modal Delivery Platform in the Treatment of Oral Cancer	Prof. Tejal Mehta, Prof. Jigna Shah, Prof. Heena Dave	Nirma University	30,00,000/-
Total Grant				1,13,60,200/-

Sanctioned Major Research Projects

Sr. No.	Title of the Project	Project Investigator/s	Funding Agency	Grant (in ₹)
1	National Facility for Analytical Characterization and Biological Evaluation of Biosimilars (Under DPRP)	Prof. Priti Mehta, Prof. Sarat Dalai, Prof. Mayur Patel, Prof. Bhumika Patel, Prof. Vivek Vyas, Prof. Sriram Seshadri	Department of Science & Technology (DST)	5,00,00,000/-
2	Assistance for setting up R & D Institute	Prof. Manjunath Ghate	Gujarat State Biotechnology Mission (GSBTM)	85,00,000/-
Total Grant				5,85,00,000/-

Minor Research Projects

Completed Minor Research Projects

Sr. No.	Title of the Project	Project Investigator/s	Funding Agency	Grant (in ₹)
	Design and Synthesis of Novel Pteridine Derivatives as Auora Kinase Inhibitors for the Treatment of Cancer	Prof. Hardik Bhatt, Prof. Vivek Vyas	Gujarat Council on Science and Technology (GUJCOST)	2,70,000/-
	Effect of Bergenin on Amyloid Aggregation in Alzheimer's Disease	Prof. Niyati Acharya	Nirma University	95,000/-
	Formulation Development & Evaluation of Theranostic Nanocarriers For Brain Tumor Targeting	Prof. Jigar Shah	Nirma University	90,000/-
	Physicochemical Property Improvement of Poorly Water-soluble Anti-Infective Drugs	Prof. Jignasa Savjani	Nirma University	1,00,000/-
	Pharmacological Evaluation of Anti-Diabetic Agents in Diabetes Associated Depression. Molecular Link and Clinical Implications.	Prof. Snehal Patel	Nirma University	95,000/-
Total Grant				6,50,000/-

Ongoing Minor Research Projects

Sr. No.	Title of the Project	Project Investigator/s	Funding Agency	Grant (in ₹)
1.	Design and Synthesis of Poly (ADP-Ribose) Polymerase1 (Parp1) Inhibitors for The Treatment of Cancer	Prof. Bhumika Patel	Nirma University	2,00,000/-
2.	Design, Synthesis and Pharmacological Evaluation of Novel Benzimidazole Derivatives as C-Met Kinase Inhibitors	Prof. Palak Parikh	Nirma University	2,00,000/-
Total Grant				4,00,000/-

Sanctioned Minor Research Projects

Sr. No.	Title of the Project	Project Investigator/s	Funding Agency	Grant (in ₹)
1.	Evaluation of Serotonin Modulator in Ischemic Stroke and Associated Cachexia	Prof. Bhoomika Patel	Nirma University	80,000/-
2.	Pre-Clinical Evaluation of Cannabidiol Natural Adjuvant Therapy in Alzheimer's Disease	Prof. Niyati Acharya	Nirma University	80,000/-
3.	Development of Novel Topical Formulation for The Treatment of Rosacea	Prof. Dhaivat Parikh	Nirma University	90,000/-
4.	Curvatures of Carbon: Synthesis Characterization and its Drug Delivery Application	Prof. Jigar Shah	Nirma University	80,000/-
5.	Investigation of Neuroprotective Effect of Toll Like Receptor 4 Inhibitors for The Treatment of Neuro-Inflammation and Cognitive Decline Associated with Alzheimer Diseases	Prof. Bhagwati Saxena, Prof. Nagja Tripathi	Nirma University	90,000/-
6.	"Chromatographic Fingerprinting, and Safety Evaluation of The Proposed Regimen Containing Plant Parts for Liver Protection".	Prof. Shital Panchal, Prof. Charmy Kothari	Nirma University	80,000/-
Total Grant				5,00,000/-

Number of Teachers allowed to participate in National/International Conference based on the acceptance of Research Paper

Financial Year	National Conference		International Conference	
	No of Teachers	Amount incurred	No of Teachers	Amount incurred
2019-20	6	21000/-	20	209001/-
2018-19	3	18000/-	8	39100/-

Numbers of Publications by Institute (International/National, Conference Proceedings, Institute Journals, dissertation abstract, Ph.D. Thesis etc.)

International/National: 50 (48+2)
 Institute Journals: 6
 Conference Proceedings: 35

Total Dissertations abstracts: 157 (99 UG + 58 PG)
PhD Thesis submitted: 13

Awards and Recognitions (Institute/Department/Faculty)

Faculty received awards: 7

Sr No	Faculty Awards/Recognitions	Name of the Awardee	Name of the Awarding Agency	Year
1	Foreign Visiting Professor at South West University, China	Prof Manjunath Ghate	South West University, China	2019-20
2	ISCB Best Teacher Award in Drug Research	Prof Manjunath Ghate	ISCB	2019-20
3	GABTP National Woman Scientist Award 2019	Dr Niyati Acharya	GABTP & APSI scientists meet	2019-20
4	SFE Young Ethnopharmacologist Award 2020 (P K Debnath Memorial Award)	Dr Niyati Acharya	Society for Ethnopharmacology	2019-20
5	Outstanding Researcher in Pharmaceutical Chemistry	Dr Jignasa Savjani	Venus International Foundation	2019-20
6	APTI Young Pharmacy Teacher	Dr Mayur Patel	Association of Pharmaceutical Teachers of India (APTI)	2019-20
7	Best Abstract-ACS	Dr Vivek Vyas	Ramanbhai Foundation Symposium (RBF)	2019-20

Citation Index of Faculty Members and Impact Factor

Name of Faculty Member	Highest Impact Factor during 2019-2020 April March	Total Google Scholar Citation	Total Google Scholar H-Index	Total Scopus Citation	Total Scopus H-Index
Prof Manjunath Ghate	3.894	1449	21	1124	17
Prof Tejal A Mehta	7.901	1065	18	553	10
Prof Priti J Mehta	3.784	416	12	123	7
Prof Jigna Shah	1.5	307	10	211	8
Dr Hardik G Bhatt	1.624	543	14	382	12
Dr Mayur M Patel	7.901	1098	16	796	15
Dr Shital B Butani	NA	474	10	298	8
Dr Jignasa K Savjani	--	771	9	67	5
Dr Shital S Panchal	2.4*	504	12	213	9
Dr Niyati S Acharya	3.743*	387	12	198	8
Dr Charmy Kothari	2.813	347	9	220	8
Dr Snehal S Patel	2.18	990	14	519	11
Dr Bhoomika M Patel	3.448	1668	19	1021	15
Dr Jigar N Shah	4.773	193	7	113	5
Dr Vivek K Vyas	3.894	906	14	472	12
Dr Dhaivat C Parikh	--	85	5	50	3
Dr Nagja V Tripathi	--	28	3	12	1

Dr Dipal M Gandhi	--	66	3	14	2
Dr Nrupesh R Patel	--	62	3	19	2
Dr Bhumiika D Patel	4.816*	203	9	137	8
Ms Palak K Parikh	3.894	143	5	98	5
Dr Mohit Shah	--	13	2	5	1
Dr Bhagawati Saxena	--	200	6	136	6
Dr Vidhi Shah	3.131	47	4	36	3

*2018-19 data

Sanctioned Research Collaborations:

- Faculty members of Institute of Pharmacy along with faculty members of Institute of Science received financial assistance of Rs. 5.0 crore to develop National facility for analytical characterisation and biological evaluation of biosimilars by Department of Science and Technology [DST] under DPRP. Dr Priti Mehta is Principal coordinator and Dr Sarat Dalai is Principle Investigator. Dr Bhoomika Patel, Dr Mayur Patel, Dr Vivek Vyas and Dr Sriram Sheshadri are co-investigators in this project.

Ongoing Research Collaborations/New Collaborations

- Dr Priti Mehta (Principal Investigator), Dr Snehal Patel (Co-Principal Investigator) working in collaboration with Dr Sonal Bakshi (Co-Principal Investigator) from Institute of Science on a major research project "Evaluation of radioprotective potential of medicinally important Indian bamboo plants in cancer" worth Rs. 42,12,250/- from Ministry of AYUSH for the period of 2016-2019. It is still ongoing.
- Dr Shital Butani received Major Research Project worth Rs. 20,78,250/- in collaboration with Dr Akshay Vaid, Facilitation Centre for Industrial Plasma Technologies, IPR on project entitled "Exploring non-equilibrium atmospheric plasma for effective sterilization including biological safety aspects" from Board of Research in Nuclear Sciences (BRNS), Department of Atomic Energy, Government of India for the duration of April 2018 to March 2020. Dr Priti Mehta and Dr Snehal Patel are co-investigators.
- Dr Bhoomika M Patel received major research project as co-investigator entitled "NIR porphyrin-microbubbles as multi-colour molecular imaging probes" worth Rs. 66,32,426/- for the duration of three years (2019-2022) under Scheme for Promotion of Academic and Research Collaboration (SPARC) of Department of Science and Technology (DST). This is in collaboration with Dr Sameer Dalvi, IIT Gandhinagar.

Internal Resources Generated (Consultancy, MDP/Programme for Industries, any other)

Details of Consultancy & Testing:

Name of faculty (Chief Consultant)	Client/ Organisation	Type of Organisation	Title of Consultancy of project	Amount received (in Rupees)
Dr Bhoomika M Patel	Tirupati US LLP (Taurus Financial Services Ltd)	Pharmaceutical Industry	Hepato-protective activity of Health drink SHOT X 70 ml (Containing Liquid Curcumin 12 mg) in CCl ₄ induced hepatotoxicity: Pilot Studies	35400
Dr Bhoomika M	Mr Punit Bhatt	Academic	Study of ethyl acetate fraction	15340

Patel			of Telosma pallida (Roxb.) Criab for pharmacological action with reference to hepatoprotective activity and toxicity studies	
Dr Shital Panchal	Pharmanza	Herbal Pharma Industry	Pharmacokinetic study of Curcumin	150000
Dr Jigna Shah	Mr Ashok Patel	Pharmaceutical Industry	Pharmaceutical Evaluation of Herbal formulation	151000
Dr Jigna Shah	Mr Mrudul V	Academic	Pharmaceutical Evaluation of Herbal formulation for anticancer activity	50000
Dr Tejal Mehta	L M College of Pharmacy	Academic	Testing of Pharmaceutical dosage Formulation	4237.3
Dr Tejal Mehta	Ramanbhai Patel College of Pharmacy	Academic	Testing of Pharmaceutical dosage Formulation	338.98
Dr Snehal Patel	Virigo Uap Pharma Pvt Ltd, Ahmedabad	Pharmaceutical Industry	Toxicological evaluations of herbomineral formulations	1,05,000
Dr Snehal Patel	Ayusiddh Healthcare Pvt Ltd, Ahmedabad	Pharmaceutical Industry	Pharmacological evaluation of Herbal Formulation by in rat model of breast cancer.	50,000
Dr Jigna Shah, Dr Tejal Mehta, Dr Snehal Patel, Dr Shital Butani	Zydus Cadila Ltd	Pharmaceutical Industry	Antifungal activity of novel compound	50,000

Summary of the Research Publications in financial year:

Financial Year	Department	National Journal			International Journal		
		Number of paper published	Number of paper considered for calculation of average impact factor	Average impact factor	Number of paper published	Number of paper considered for calculation of average impact factor	Average impact factor
2019-20	Pharmacy	02	-	-	48	44	2.81
2018-19	Pharmacy	06	-	-	33	29	2.825

Details of Research Publications:

List of Publications (International) with IF:

1. Shruti Rawal, Mayur M. Patel. Threatening cancer with nanoparticle aided combination oncotherapy. Journal of Controlled Release 301, 76-109, May: 2019 IF : 7.901
2. Jigar Shah, Anroop B. Nair, Shery Jacob, Rakesh K. Patel, Hiral Shah, Tamer M. Shehata, Mohamed Aly Morsy. Nanoemulsion Based Vehicle for Effective Ocular Delivery of

- Moxifloxacin Using Experimental Design and Pharmacokinetic Study in Rabbits. *Pharmaceutics* 11, 230-245, May-June : 2019 IF : 3.746
3. D. Chhatbar, U. Chaube, V. K. Vyas, H. G. Bhatt. CoMFA, CoMSIA, Topomer CoMFA, HQSAR, Molecular Docking and Molecular Dynamics Simulations Study of Triazine Morpholino Derivatives as mTOR Inhibitors for the Treatment of Breast Cancer. *Computational Biology and Chemistry* 80, 351-363, June: 2019 IF : 1.412
 4. Mohamed A. Morsy, Snehal S. Patel, Azza A. K. El-Sheikh, Jignasa K. Savjani, Anroop B. Nair, Jigar N. Shah, Katharigatta N. Venugopala. Computational and Biological Comparisons of Plant Steroids as Modulators of Inflammation through Interacting with Glucocorticoid Receptor. *Mediators of Inflammation* 2019, 438-39 , May : 2019, IF: 3.549
 5. Ingawale Deepa K, Mandlik S K, Patel Snehal S. Anti-inflammatory potential of hecogenin on atopic dermatitis and airway hyper-responsiveness by regulation of pro-inflammatory cytokines. *Immunopharmacology Immunotoxicology* 30, 43840, April : 2019 IF: 1.203
 6. Vivek K. Vyas, Palak Parikh, Jonali Ramani and Manjunath Ghate. Medicinal Chemistry of Potassium Channel Modulators: An Update of Recent Progress (2011-2017). *Current Medicinal Chemistry* 26, 2062-2084, June: 2019 IF:3.894
 7. Nikum D. Sitwala, Vivek K. Vyas, Piyush Gedia, Kinjal Patel, Rania Bouzeyen, Saqib Kidwai, Ramandeep Singh and Manjunath D. Ghate. 3D QSAR-based design and liquid phase combinatorial synthesis of 1,2-disubstituted benzimidazole-5-carboxylic acid and 3-substituted-5H-benzimidazo[1,2-d][1,4]benzodiazepin-6(7H)-one derivatives as anti-mycobacterial agents. *MedChemComm* 10 , 817-827, May: 2019 IF : 2.394
 8. Vishnu N. Thakare, Rajesh R. Patil, Anupama A. Suralkar, Valmik D. Dhakane. Protocatechuic acid attenuate depressive-like behavior in olfactory bulbectomized rat model: behavioral and neurobiochemical investigations. *Metabolic Brain Disease* 34, 775–787, June: 2019 IF: 2.441
 9. Shah Jigar, Anroop B. Nair, Shah Hiral, Shery Jacob, Tamer M. Shehata, Mohamed Aly Morsy. Enhancement in antinociceptive and anti-inflammatory effects of tramadol by transdermal proniosome gel. *Asian Journal of Pharmaceutical Sciences* 1, 43861, June-July : 2019 IF : 4.016
 10. Hiren Khatri, Nimitt Chokshi, Shruti Rawal and Mayur M Patel. Fabrication, characterization and optimization of Artemether loaded PEGylated solid lipid nanoparticles for the treatment of lung cancer. *Materials Research Express* 6 , 45014 , April: 2019 IF : 1.449
 11. Ankita Mehta, Bhoomika M. Patel. Therapeutic opportunities in colon cancer: Focus on phosphodiesterase inhibitors. *Life Sciences* 230 , 150-161 , August : 2019 IF : 3.448
 12. Manali Prajapat, Shital Butani, Mukesh Gohel. Liquisolid: A Promising technique to improve dissolution efficiency and bioavailability of poorly water soluble nimodipine. *Journal of drug delivery science and technology* 53, 101135, July: 2019 IF: 2.297
 13. Dipal Gandhi, Nrupesh Patel, Harshal Patel, Priti Mehta. Optimization of microwave-assisted extraction technique for isolation of betulinic acid from *Dillenia indica* Linn. and its quantification using developed HPTLC method. *Journal of Applied Pharmaceutical Science* 9, 101-110, August: 2019 IF: 0
 14. Misari Patel, Charmy Kothari. A simple, rapid and fully validated HPLC method for simultaneous quantitative bio-analysis of rosuvastatin and candesartan in rat plasma: Application to pharmacokinetic interaction study. *Biomedical Chromatography* 33 (10), 43840, October: 2019 IF: 1.748
 15. Bhoomika M. Patel, Ramesh K. Goyal. Liver and insulin resistance: New wine in old bottle! *European Journal of Pharmacology* 862, 172657, November: 2019 IF: 3.17
 16. Arora Bhoomi, Snehal Patel Banshi Saboo. The prevalence of pre-diabetes and associated conditions in Ahmedabad population. *International Journal of Diabetes in Developing* 45, 43839, July: 2019 IF: 0.585
 17. Anroop B. Nair, Jigar Shah, Bandar E. Al-Dhubiab, Snehal S. Patel, Morsy Mohamed A., Vimal Patel, Vishal Chavda, Shery Jacob, Nagaraja Sreeharsha, Pottathil Shinu, Mahesh Attimarad, Katharigatta N. Venugopala,. Development of Asialoglycoprotein Receptor-

- Targeted Nanoparticles for Selective Delivery of Gemcitabine to Hepatocellular Carcinoma. *Molecules* 24, 4566, December: 2019 IF: 3.06
18. Anroop B. Nair, Sumeet Gupta, Bandar E. Al-Dhubiab, Shery Jacob, Pottathil Shinu, Jigar Shah, Mohamed Aly Morsy, Nagaraja SreeHarsha, Mahesh Attimarad, Katharigatta N. Venugopala, Sabah H. Akrawi. Effective Therapeutic Delivery and Bioavailability Enhancement of Pioglitazone Using Drug in Adhesive Transdermal Patch. *Pharmaceutics* 11, 359, July: 2019 IF: 4.773
 19. Shery Jacob, Anroop B. Nair, Jigar Shah. Revisiting clinical practice in therapeutic drug monitoring of first-generation antiepileptic drugs. *Drugs and Therapy Perspectives Springer* 35, 500-517, August : 2019 IF: 0
 20. Nair AB, Shah Jigar, Aljaeid BM, Al-Dhubiab BE, Jacob S. Gellan Gum-Based Hydrogel for the Transdermal Delivery of Nebivolol: Optimization and Evaluation. *Polymers* 11, 1699, October: 2019 IF : 3.542
 21. Nair AB, Al-Dhubiab BE, Shah Jigar, Jacob S, Saraiya V, Attimarad M, SreeHarsha N, Akrawi SH, Shehata TM. Mucoadhesive buccal film of almotriptan improved therapeutic delivery in rabbit model. *Saudi Pharmaceutical Journal IN PRESS* - available online , 1, December: 2019 IF:3.643
 22. Nair AB, Shah J, Al-Dhubiab BE, Patel SS, Morsy MA, Patel V, Chavda V, Jacob S, Sreeharsha N, Shinu P, Attimarad M, Venugopala KN. Development of Asialoglycoprotein Receptor-Targeted Nanoparticles for Selective Delivery of Gemcitabine to Hepatocellular Carcinoma. *Molecules* 24, 4566, December: 2019 IF: 3.38
 23. Jacob S, Nair AB, Shah Jigar. Emerging role of nanosuspensions in drug delivery systems. *Biomaterials Research* 24 , 3 , January : 2020 IF : 1
 24. Nirzari Gupta, Vivek K. Vyas, Bhumiika D. Patel, Manjunath Ghate. Design of 2-Nitroimidazooxazine Derivatives as Deazaflavin-Dependent Nitroreductase (Ddn) Activators as Anti-Mycobacterial Agents Based on 3D QSAR, HQSAR, and Docking Study with In Silico Prediction of Activity and Toxicity. *Interdiscip Sci Comput Life Sci* 11 , 191–205, July: 2019 IF:1.418
 25. Krishna A. Lad, Anurag Maheshwari, Bhagawati Saxena. Repositioning of an anti-depressant drug, agomelatine as therapy for brain injury induced by craniotomy. *Drug Discoveries & Therapeutics* 13, 189-197, July-August:2019 IF: 0
 26. Mathur P, Sharma S, Rawal S, Patel B, Patel MM .Fabrication, Optimization and Invitro Evaluation of Docetaxel loaded Nanostructured Lipid Carriers for Improved Anticancer Activity. *Journal of Liposome Research* 27, 43845, June 2019 IF: 2.507
 27. Prateek Mathur, Shruti Rawal, Bhoomika Patel, Mayur M. Patel. Oral Delivery of Anticancer Agents using Nanoparticulate Drug Delivery System. *Current Drug Metabolism* 20, 1132 - 1140, October: 2019 IF : 2.277
 28. Misari Patel, Charmy kothari. A simple, rapid and fully-validated HPLC method for simultaneous quantitative bio-analysis of Rosuvastatin and Candesartan in rat plasma: Application to pharmacokinetic interaction study. *Biomedical Chromatography* 33, 10, 43840, October : 2019 IF: 1.748
 29. Shah Kavina, Kothari Charmy, Modi Chirag, Shah Manan . Deviations handling and corrective actions and preventive actions: Case studies for parenteral dosage form. *J of generic Medicine* 15(4), 165–176, August: 2019 IF: 0.13
 30. MisariPatel, CharmyKothari. Quantitative bio-analysis of pitavastatin and candesartan in rat plasma by HPLC-UV: Assessment of pharmacokinetic drug-drug interaction. *Journal of Chromatography B* 1138, 43839, February : 2020 IF: 2.813
 31. Humera Memon, Bhoomika M. Patel. Immune checkpoint inhibitors in non-small cell lung cancer: A bird's eye view. *Life Sciences* 233, 116773, September : 2019 IF : 3.448
 32. Dhvani T. Dave, Bhoomika M. Patel. Mitochondrial metabolism in cancer cachexia: Novel drug targets. *Current Drug Metabolism* 20, 1141 – 1153 , December: 2019 IF: 2.559
 33. Dhara Bhayani, Haladhara Naik, T. Newton Nathaniel, Saif Khan, Priti Mehta. Simulated space radiation: Investigating ionizing radiation effects on the stability of Amlodipine

- besylate API and tablets. *European Journal of Pharmaceutical Sciences* 137, 43840, September: 2019 IF: 3.532
34. Pritesh R. Desai, Priti J. Mehta, Avani B. Chokshi . Stability Indicating RP-HPLC Method Development and Validation for Simultaneous Quantification of 15 Organic Impurities of Olmesartan Medoxomil, Amlodipine and Hydrochlorothiazide in Combined Dosage Form. *Chromatographia* 82, 43840 , July: 2019 IF : 1.552
 35. Pritesh R Desai, Priti J Mehta, Avani B Chokshi. Liquid Chromatographic Method Development for Quantification of Inorganic Nitrite and Nitrate Impurities from Nitroglycerin Drug Substance by Using Ion-Pair Reagents with Liquid–Liquid Extraction Technique. *Journal of Chromatographic Science* 57, 43839, December : 2019 IF: 1.216
 36. Pintu B. Prajapati, Navneet Wankhed, Priti J. Mehta. A Review on Multi Approaches for Impurity Isolation and its Characterization. *Journal of Drug Delivery and Therapeutics* 9, 793-802, August: 2019 IF: 0
 37. Dipal Mahendrabhai Gandhi, Harshal Patel, Nrupesh Patel, Priti Mehta. Optimization of microwave-assisted extraction technique for isolation of betulinic acid from *Dillenia indica* Linn. and its quantification using developed HPTLC method. *Journal of Applied Pharmaceutical Science* 9, 101-110, August: 2019 IF:0.69
 38. Deepa K. Ingawale, Satish K. Mandlik & Snehal S. Patel. Combination of Sarsasapogenin and Fluticasone attenuates ovalbumin-induced airway inflammation in a mouse asthma model. *Immunopharmacology and Immunotoxicology* 42, 128-137, February : 2020 IF:2.06
 39. Krunal Prajapati, Charmy Kothari. First report on Clorprenaline HCl degradation products: Identification and characterization by LC-MS/MS. *Journal of the Iranian Chemical Society* 17, 1027–1039, March: 2020 IF: 1.742.
 40. AB Nair, BE Al-Dhubiab, Jigar Shah. Mucoadhesive buccal film of almotriptan improved therapeutic delivery in rabbit model. *Saudi Pharmaceutical Journal Elsevier* 28, 201-209, January-March: 2020 IF: 3.643
 41. AB Nair, Jigar Shah. Development of Asialoglycoprotein Receptor-Targeted Nanoparticles for Selective Delivery of Gemcitabine to Hepatocellular Carcinoma. *Molecules*, 24, 43848, January-March: 2020 IF : 3.38
 42. Mimansa Jhaveri, AB Nair, Jigar Shah, S Jacob, V Patel, T Mehta. Improvement of oral bioavailability of carvedilol by liquisolid compact: optimization and pharmacokinetic study. *Drug Delivery and Translational Research Springer* 20 , 43843 , March : 2020 IF: 3.345
 43. Vidhi Shah, Tirth Panchal, Bhavesh Bharatiya, Nimeshchandra S. Patel, Atindra D. Shukla, Dinesh O. Shah. Colloidal PTFE dispersion in commercial engine oil: Lubrication by Pluronic adsorption at the interface. *Colloids and Surfaces A* 597, 43836, March: 2020 IF: 3.131
 44. Dhvani T. Dave, Bhoomika M. Patel. Mitochondrial metabolism in cancer cachexia: Novel drug targets. *Current Drug Metabolism* 20, 1141 – 1153 , December: 2019 IF: 2.559
 45. Harshita Gupta, Rutu Panchal, Niyati Acharya, Priti Mehta. Controlled Parenteral Formulations: An Efficacious and Favourable Way to Deliver the Anti - psychotic Drugs. *Current Psychiatry Research and Reviews* 16, 43848 , February: 2020 IF: 0
 46. Viral Patel, Om Prakash Sharma, Tejal A Mehta. Impact of Process Parameters on Particle Size Involved in Media Milling Technique Used for Preparing Clotrimazole Nanocrystals for the Management of Cutaneous Candidiasis. *AAPS PharmSciTech* 20(5), 175, Apr 2019 IF: 2.451
 47. Namdev Dhas, Khushali Parekh , Abhijeet Pandey, Ritu Kudarha, Srinivas Mutalik, Tejal Mehta. Two Dimensional carbon based nanocomposites as multimodal therapeutic and diagnostic platform: A biomedical and toxicological perspective. *J. of Controlled Release*. 308, 130-161, August 2019, IF:7.901

48. Chintan Pansara, Renuka Mishra, Tejal Mehta, Ankit Parikh and Sanjay Garg, Formulation of chitosan stabilized silver nanoparticle containing wound healing film: In-vitro and In-vivo characterization. <https://doi.org/10.1016/j.xphs.2020.03.028>, March 2020, IF: 3.197

List of Publications (National) with IF/referred papers:

1. Arora Bhoomi, Snehal Patel, Banshi Saboo. Risk factors associated with overweight and obesity among the population of Ahmedabad, India. Indian Journal of Public Health Research 10, 178-182, July: 2019 IF: 0
2. Bhagawati Saxena, Vijaya Durga Chavali .The role of toll like receptor 4 in pathogenesis of Alzheimer's disease induced by aluminum chloride. Journal of Emerging Technologies and Innovative Research 6, 96-99 , April : 2019 IF: 0

List of Publications (Institute Journal, NUJPS)

1. Krishan Kumar, Kuntal Manna, Hardik Bhatt Synthesis and Pharmacological Evaluation of Substituted 1, 3, 4- Thiadiazole Derivatives as Anticonvulsant Agents. Nirma University Journal of Pharmaceutical Sciences Volume 6| Issue 1 | January-June 2019, 15-26.
2. Riya Chitral Photoprotective Activity of Flavonoids. Nirma University Journal of Pharmaceutical Sciences Volume 6| Issue 1 | January-June 2019, 27-34.
3. Snehal Patel, Sunita Tiwari, Shraddha Patel. Therapeutic Target of Phosphatidylinositol 3 Kinase in Various Disease and Disorders. Nirma University Journal of Pharmaceutical B.PSciences Volume 6| Issue 1 | January-June 2019, 35-54.
4. Tejal Rawal, Ruchi Mehta, Hiral Koradia, Renuka Mishra, Shital Butani. Inhaled Fluticasone Propionate Dry Powder for the Effective Management of Asthma. Nirma University Journal of Pharmaceutical Sciences Volume 6| Issue 1 | January-June 2019, 55-68.
5. Kavan Jani, Jignasa Savjani. An Epitome on Tuberculosis: A Phase of Drug Discovery to Nanotechnology. Nirma University Journal of Pharmaceutical Sciences Volume 6| Issue 2 | July-December 2019, 35-54.
6. Niyati Acharya. Bioactivity Guided Isolation of Ursolic Acid from Clerodendrum Serratum Roots and Evaluation of its Efficacy against Asthma in Guinea Pigs. Nirma University Journal of Pharmaceutical Sciences Volume 6| Issue 2 | July-December 2019, 73-100.

Other publications (books, chapter in books, case studies, manual monograph, articles etc)

Book Published:

Sr No	Name of the Faculty	Name of the Book	Name of Publishing House	ISBN	Year of Publication
1	Dr Shital Panchal	Pharmacology I	Nirav Prakashan	9788194426110	2019

Book Chapter Published:

Sr No	Name of the Faculty Member	Name of the Book	Name of the book chapter	Name of the Publisher	ISBN Number	Month of Publication	Year of Publication
1	Dr Bhoomika M Patel	Natural Medicines: Clinical Efficacy, Safety, and Quality	Single Herb to Single Phytochemical Based Therapy for Diabetes Mellitus	CRC Press (Taylor & Francis Group)	978-1-138-73306-0	July	2019
2.	Dr	Oxidative	Histone	Springer	Print ISBN:	November	2019

	Bhoomika M Patel	Stress in Heart Diseases	deacetylases and oxidative stress: Role in diabetic cardiomyopathy		978-981-13-8272-7; Online ISBN: 978-981-13-8273-4		
3.	Dr Bhoomika M Patel	Animal Screening Basics of Drug Discovery Vol. II	Experimental Models for Cancer Cachexia	Paging Publisher	978-81-940372-6-2	January	2020
4	Dr Bhoomika M Patel	Pathophysiology of Obesity-Induced Health Complications	Modified Denouement in Bariatric Surgery Due to Genetic Polymorphism	Springer Nature Switzerland AG	Print ISBN: 978-3-030-35357-5; Online ISBN: 978-3-030-35358-2	January	2020
5	Dr Mayur Patel	The Bad Taste of Nutraceuticals: Overview of Basic Research on Bitter Taste	Flavor Development for Functional Foods and Nutraceuticals	CRC Press (Taylor & Francis Group)	ISBN 9781138599543	October	2019
6	Dr Mayur Patel	Nutraceuticals' Role in Proliferation and Prevention of Colorectal Cancer	Advances in Nutraceuticals Applications in Cancer: Recent Research Trends and Clinical Applications	CRC Press (Taylor & Francis Group)	ISBN 9781138593916	November	2019

Patent:

Name of the Faculty Member	Title of the Patent	Patent filed in which Country	Year of Patent filing	Current status of the Patent (whether Patent granted or not)
Dr Jignasa Savjani	Process for the preparation of imidazolidine-2-thione & imidazole-2-thione	India	2013	Granted (April 4, 2019)
Dr Mohit Shah and Dr Tejal Mehta	Pharmaceutical composition and a process thereof	India	2012	Granted (July 31, 2019)
Dr Manjunath Ghate	Novel Pharmaceutical agents having bactericidal action against tubercle bacilli and synthesis thereof	India	2013	Granted (August 21, 2019)

Revenue generated

Financial Year	Consultancy	Testing	Training	Other (Specify)
2019-20*	Rs. 591786.28		0	Rs. 897284.55
2018-19	Rs. 177373/-	Rs.8132/-	Rs. 382970/-	Rs. 1016913/-

*Unaudited figures for F.Y. 2019-20

Extension Activities/Community services by Institute:

Sr No	Type of Activity conducted	Dates	Beneficiaries
1	Swachh Sabarmati Maha Abhiyan	05/06/19	Ahmedabad City
2	Blood Donation Camp	02/08/19	Anyone
3	Cleanliness Drive	16/08/19	Jaspur Village High School
4	Plantation drive	16/08/19	Jaspur Village
5	Vector Borne Disease Awareness Drive	20/08/19	Jagatpur Village
6	Fit India Movement Program	29/08/19	NSS Volunteers
7	Recruitment of NSS Volunteers	26/09/19	NSS Volunteers
8	NSS Camp	4-10 January 2020	Ratanpur [Kantdi] Village
9	“Cyclothon” under Fit India Movement	01/03/20	NSS Volunteer of IPNU

New MoU Signed/Collaborative activities done related to MoU/tie-ups with other organisation

International MoU:

- University of Turin, Torino, Italy and Institute of Pharmacy, Nirma University agree to
 - Enhance collaboration between universities by implementing joint and coordinated didactic and research programmes, including research projects and initiatives of common interest;
 - Explore mobility of teachers, researchers, PhD students, students, administrative and technical staff;
 - Joint use of laboratories, infrastructures, libraries, etc.;
 - Joint participation to meetings, conferences, symposia;
 - Sharing of information, scientific publications and other didactic and scientific tools of common interest;
 - Dissemination of scientific results obtained from collaboration;
 - Collaboration through any other mean that may be useful to achieve common purposes.

National MoU:

- CBCC Global Research, Ahmedabad
- Trupati USA LLP

Activities Done under MoUs:

- 3 students placed at CBCC Global Research
- 3 students placed at Finecure Pharmaceuticals
- 2 students did internship at CPC Ltd
- Tirupati USA LLP offered consultancy assignment

- Synchron Research offered internship to 2 students
- Sushen Medicamentos offered placement to 1 students
- VP - medical affairs of Eris lifesciences was the chief guest of foundation day celebrations
- Brillaire sciences offered internship to 2 students

Linkages with national/international academic/research bodies

International Linkages:

1. Plovdiv University, Bulgaria
2. Changwon National University, South Korea
3. Massachusetts College of Pharmacy and Health Science - MCPHS University, Boston, USA
4. University of Southern California, USA
5. University of Turin, Torino, Italy

National Linkages:

1. Finecure Pharmaceuticals Ltd., Ahmedabad
2. Contract Phamracal Corporation (CPC) Ltd., Ahmedabad
3. Brillare Cosmetics, Ahmedabad
4. Beiersdorf, Germany
5. Apollo Hospitals Internationals Ltd., Ahmedabad
6. Piramal Pharmaceutical Development Services Pvt. Ltd., Ahmedabad
7. Intas Biopharmaceuticals Limited, Ahmedabad
8. Cadila Pharmaceuticals Ltd., Ahmedabad
9. B.V. Patel Pharmaceutical Education & Research Development (PERD) Centre, Ahmedabad
10. Evonik India, Mumbai
11. ERIS Lifesciences, Ahmedabad
12. CSIR-Indian Institute of Chemical Technology, Hyderabad
13. Quantys Clinical services, Gandhidham
14. Sushen Medicamentos, Ahmedabad
15. Chemical Shoppe, Ahmedabad
16. Synchron Research Pvt Ltd, Ahmedabad
17. CBCC Global Research, Ahmedabad
18. Trupati USA LLP

IV. INFRASTRUCTURE AND LEARNING RESOURCES

Computer facilities added:

Computer Facility upgrade: 1 New Desktop Core-i3 9th Generation
Internet Bandwidth: 512mbps to upgrade 1000mbps

Library - learning resources added:

Number of Book for Technical Subjects During the Year 2019-20			
No of Titles & Volumes Added During the Year		Cumulative Total No of Titles & Volumes as on 31/03/2020	
Title	Volumes	Title	Volumes
126	172	3400	5480

Number of Book for Science & Humanities During the Year 2019-20			
No of Titles & Volumes Added During the Year		Cumulative Total No of Titles & Volumes as on 31/03/2020	
Title	Volumes	Title	Volumes
68	70	2487	3843

No of Periodicals/Journals Including E-Journals During the Year 2019-20		Other Material Which Includes Software /CDs/Cassettes/Other Audiovisual Materials	
Added during the year 2019-20	Cumulative Total as on 31/03/2020	Added during the year 2019-20	Cumulative Total as on 31/03/2020
0	39 print + 88 Online	0	47

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

Sr No	Supplier	Equipment / Machine	Cost in Rs.
1	Institute of Plasma Research	Plasma Jet Set up	178500
2	Hitachi High Tech Science Corp (Inkarp Instruments Pvt Ltd)	Differential Scanning Calorimeter (DSC)	1618050
3	Shree Siddhivinayak Enterprise	Rotary Vacuum Evaporator	250000
4	Ultra Scientific Instruments	Deep freezer	292950
5	Lab Intelligence Appliances	Analytical Balance	72000

Increase in Health Services:

- In campus availability of Physician
- Ambulance vehicle (24x7)
- Primary treatment facilities at physician's clinic
- First Aid kit available in all the laboratories of the institute
- Devices like sphygmomanometer (blood pressure meter) and glucometer (blood sugar testing machine) etc. available in the institute

Increase in Sports facilities:

The University campus has modern infrastructure to facilitate almost all outdoor sports activities. It has a well-maintained cricket ground with three hard bowling pitches. Training nets are also available during the practice sessions. Further, there is a running track, three lawn tennis courts, two volleyball courts, two basketball courts, and football. The Students Activity Centre near the University hostels has ample space for a host of indoor sports activities, including carom, chess and table tennis.

Civil Work in Progress/completed this year

Construction work of Cell Culture Laboratory at the First Floor of the PG building is under progress.

V- Student Support and Progression

Cut-off percentage marks – category wise:

12th Science Subjects 60% and GUJCET 40% result is considered for Admission to the BPharm Programme

Category	Rank No of student admitted (ACPC)	
	First Rank	Last Rank
TFWS	38	67
OPEN	313	6851
SC	2392	6373

ST	11827	13466
SEBC	1740	6362
PH	4332	4332
DS	6810	6810
EWS	1796	2468

TFWS = Tuition Fee Waiver Scheme

SC = Schedule Caste

ST = Schedule Tribe

SEBC = Socially & Economically Backward Class

DS = Defense service

PH = Physically Handicap

ISCE = Indian School Certificate Examination

EWS = Economically Weaker Section

Category	BPharm NRI /NRI Sponsored	
	Merit No of student admitted (ACPC)	
	ACPC Merit No	ACPC Merit No
NRI /NRI Sponsored	908	13839

Admission status for MPharm

For the MPharm Students, students are admitted on GPAT basis.

Cut off Rank for the admission to MPharm.

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	1073	7471	NG-30	NG-47
2	Pharmaceutical Analysis	1458	---	NG-1	NG-51
3	Medicinal Chemistry	---	---	NG-2	NG-54
4	Pharmacology	5880	---	NG-3	NG-44
5	Regulatory Affairs	19	444	NG-17	NG-52

Student achievements:

- PhD Scholar, Mr Manan Shah and 8 students of 3rd year BPharm and 4th Year BPharm of Institute of Pharmacy, Nirma University, Deep Gadhvi, Devyani Thakor, Jeegnesh Patel, Pooja Shah, Priyanshi Desai, Purav Gohil, Richa Patel and Rupal Chabbadia attended 4 week Clinical Summer Training Programme at School of Pharmacy, University of Southern California Los Angeles, California, United States of America as visiting Scholars during July 1 to August 2, 2019 where they got a brief introduction about the healthcare system in the United States of America and the vital role that a pharmacist plays in their healthcare system. The students also got some hands on training on Drug Molecular docking software and they covered the clinical as well as scientific aspects of Diabetes mellitus and the important role a pharmacist can play in these conditions. The students visited many Pharmacies in different cities of USA and got a real perspective of roles that a pharmacist plays in the US healthcare system. There were students from Taiwan, Hong Kong, Korea, Japan, China, in this

programme at University of Southern California and we are glad to share that Nirma University is the first and only Institute from India joining this Programme.

- **PhD Scholar, Ms Krishna H Bhalodi** working under guidance of Dr Charmy S Kothari, Associate Professor, Department of Pharmaceutical Analysis, Institute of Pharmacy, Nirma University has been awarded with Honorable Chief Minister Fellowship under “Shodh Yojana” Government of Gujarat on 8th August 2019.
- Students of BPharm final year of Institute of Pharmacy, Maitri Madia, Prusha Patel, Nidhi Patel, and Swati Patil attended a special training workshop entitled ‘Train-The-Trainer (T3P)’ during September 9-14, 2019. The workshop was conducted by a young Entrepreneur and Trainer, Mr Darshan Somaiya. The students learned about developing skills and transforming themselves as better human. They learnt about NLP (Neuro Linguistic Programme Language) and how to become a trainer in any field. All of these students are registered ATD certified Practitioner Trainers now.
- **Humera Memon, 18MPH204, MPharm Sem III** Student published a review article entitled “Immune Checkpoint inhibitors in non-small cell lung cancer: A bird’s eye view” in a journal “Life Sciences”, Elsevier with 3.4 impact factor in July 2019 under the guidance of Dr Bhoomika M Patel. She also secured 1st position in Poster Presentation in National Symposium on Basic & Translational Research in Cancer Biology held at Institute of Advanced Research, Gandhinagar during September 11-12, 2019.
- **PhD Scholar, Mr Vishal Chavda** has received YITP IBRO Young Scientist Award 2019 in the World Conference of Neuroscience at IBRO 2019, organised by International Brain Research Organisation and Federation of Asian and Oceanian association of Neurology which was co-hosted by Korean Brain Research Institute and Korean Neurological Association at Daegu city, South Korea during September 21-25, 2019. YITP IBRO is the most prestigious award and given to the world's best top 16 neurology young Investigators across all countries. He received grant of 1000 USD for expenses during stay in Korea. He presented his PhD research work as a Conference Paper and research poster which has been published in IBRO Reports, Elsevier.
- **PhD Scholar, Ms Dhara Bhayani**, working under the guidance of Dr Priti Mehta, Head, Department of Pharmaceutical Analysis has received full travel grant from CSIR, Ministry of Science & Technology, Govt. of India to present a poster at 17th International Nanomedicine and Drug Delivery Symposium (NanoDDS'19) held at Massachusetts Institute of Technology, USA during September 22-24, 2019.
- **PhD Scholar, Mr Vimal Patel** has received International student grant award of 200 Euro from Graphene flagship for Graphene Week 2019 held during 23-27 September 2019 at Helsinki, Finland and funded by European Union, Helsinki, Finland.
- **Mr Vandit G Shah** (BPharm Sem VIII) and Prof Jigna S Shah, Team ID SOIC000213, have received a grant for their Innovation/Start-up titled “Foldscope based bacterial count technique for analyzing drinking water contamination” on September 26, 2019 under Student Open Innovation Challenge Programme under SSIP, Government of Gujarat worth Rs. 1.3 lakhs.
- **Mr Harshit Barod** from BPharm semester VI received the Frist prize in the essay writing competition held on September 25, 2019 on the topic “Safe and effective medicines for all” organized by Institute of Pharmacy, Nirma University as a part of celebration of World Pharmacists Day 2019.
- **Ms Khushali Parekh, PhD Scholar** under the guidance of Dr Tejal Mehta won the best poster award and prize of £50 by Royal Society of Chemistry for the poster entitled “Nanocrystals: A promising Topical Formulation Strategy for the Treatment of Atopic

Dermatitis” presented at ISCBC-NIPiCON 2020 held at Nirma University, 22-24 January 2020.

- **Drama club students of Institute of Pharmacy won 6 trophies** in Inter Institute One Act Play Competition which was held on 4th February, 2020 titled "**Vanjhiyan - A Mother of Thousands**" on the theme climate connection. Students won Best Drama (Jay Shah, Kunj Thakkar, Shrey Modi, Nancy Patel, Jenny Kundadiya, Kevan Patel, Abhi Patel, Vaidehi Patel, Archi Shah), Best Production (Production Team- Jainil Sheth, Jaydeep Hapaliya, Kathan Desai), Best Director - Kunj Thakkar (BPharm Sem VIII), Best Actor - Jay Shah (BPharm Sem VIII), Best Actress - Jenny Kundadiya (BPharm Sem VI), Best Supporting Actress - Vaidehi Patel (BPharm Sem VIII)
- **MPharm Student, Mr Jitendra Singh**, won second prize in Kho-Kho and third prize in Athletics 800 mtrs during Petrocup 2020 held at PDPU, Gandhinagar during February 14-17, 2020.
- **BPharm Student, Nemi Kaneriya**, won second prize in Kho-Kho during Petrocup 2020 held at PDPU, Gandhinagar during February 14-17, 2020.
- **Arpit Arunkumar Bana, PhD Scholar** under the guidance of Dr Priti J Mehta received first prize in the poster presentation competition at Applied Pharmaceutical Analysis (APA) India 2020 International Conference organised by the Boston International Society, during February 23-25, 2020 at Courtyard Marriott, Ahmedabad. Along with the award he received monetary price of Rs.10,000 and complimentary registration for next year's conference. Title of the Poster presented was "Peptide Mapping: A Cutting Edge Technique-Recent Advancements"
- **PhD Scholar, Ms Khushali Parekh** under the guidance of Dr Tejal Mehta received an opportunity to visit Australia for a short term research project of her PhD work at Dr Amirali Popat's lab, University of Queensland, Australia.

Value added courses:

Sr No	Programme and Semester	Name of the Course	Duration	No of students enrolled
1	BPharm Sem IV	Pharmacy Training at Drug Store/Hospitals	24/05/2019-14/07/2019	106
2	BPharm Sem VI	Pharmacy Training at Pharmaceutical Industry	24/05/2019-14/07/2019	100
3	MPharm Sem II	Pharmaceutics Training	24/05/2019-14/07/2019	15
4	MPharm Sem II	Pharmaceutical Analysis Training	24/05/2019-14/07/2019	9
5	MPharm Sem II	Pharmaceutical Chemistry Training	24/05/2019-14/07/2019	2
6	MPharm Sem II	Pharmacology Training	24/05/2019-14/07/2019	12
7	MPharm Sem II	Regulatory Affairs Training	24/05/2019-14/07/2019	11

No of Co-curricular activities organised: 4

- Teacher's day was celebrated on September 5, 2019 where students participated to handle classed as a part of the celebration. Various events like Skit, Dance were performed by the students on this occasion.

- Essay competition was held as a part celebration of World Pharmacist Day on the topic "Safe and effective medicines for all" on September 25, 2019.
- Foundation Day of Institute of Pharmacy was organised on October 1, 2019. Various competitions like cartoon making, Documentary making, photography, Debate, Elocution and Extempore were held on the occasion of Foundation Day. The faculty members, alumni, students of BPharm were felicitated for their outstanding performance. The meritorious students of BPharm 1st, 2nd & 3rd year were also awarded with the gold medals.
- Nirma Quest, a national quiz competition was organised on March 4, 2020. This involved pharma and non-pharma quiz competition and more than 100 participants from various institutes participated.

Student Clubs in the Institute

- Dr Dipal Gandhi, Drama club coordinator, Institute of Pharmacy, Nirma University organised a one day workshop for Theatre events on November 13, 2019. Mr Praful Panchal and Mr Chirag Parekh conducted the workshop and gave their expert comments for the participants of the Theatre event who participated in Rostrum 2019.
- Institute of Pharmacy, Nirma University students participated in the 35th West Zone Youth Festival 2019-20 held on December 27-31, 2019 at Uka Tarsadia University, Bardoli. Drama, Art and craft, and Dance club students participated in different events.
- In the inter-institute one act play competition students of IPNU performed on the theme 'climate connection' and won 6 prizes which was held on February 4, 2020. The title of Play was "Vanjhiyan - A Mother of Thousands" and students won Best Drama- 1st prize (Institute of Pharmacy), Best Production (first prize), Best Director (first prize), Best Actor male (first prize), Best Actor Female (first prize) and best supporting Actress.

Sports activities:

- Around 378 students of BPharm, MPharm and PhD participated in various Athletic and Non-athletic games viz. Running, Throwing, Jumping, Chess, Carrom, Table Tennis, Lawn Tennis, Badminton, Kabaddi, Kho Kho, cricket, Basket Ball, Football, volleyball during academic year 2019-20.

Youth welfare and cultural activities:

- Anti-ragging poster competition was organised on October 11, 2019 where around 106 students participated in the event from Institute of Pharmacy, Nirma University.
- RAMZAT-19, Rasgarba programme was organized at the University level on October 19, 2019.
- Rostrum'19 was organized during November 16-17, 2019. Around 160 students participated in various events like Dance, Song, Drama, Ad-mad and its organization. Smt. Gopi Desai, Indian actress and Director was the chief guest and Guest of Honour was Ms. Ishani Dave.
- NUZEAL, Inter-institute cultural festival was organized during February 5-7, 2020. Students from Institute of Pharmacy participated in various events.
- Enigma-2020, Annual festival of Nirma Institute of Pharmacy Students' Association (NIPSA) was organised during March 6-7, 2020 in which technical events like power point presentation, poster presentation, pharma word, mock interview and drug connect were organised. Various non-technical events included, Open mic, face painting, debate, battle of bands, t-shirt painting etc. More than 500 students from various institutes participated in the events.

Performance in Sport activities:

List of winners of Institute of Pharmacy in Institute level sports competition

Game	First Prize [Boys]	First Prize [Girls]
100 Meter Running	Mr Nemi Kaneriya	Ms Shivani Naik
200 Meter Running	Mr Jitendra Singh	Ms Shivani Naik
400 Meter Running	Mr Rajat Manwala	Ms Aditi Singh
800 Meter Running	Mr Rajat Manwala	Ms Jaynee Patel
1500 Meter Running	Mr Jitendra Singh	-
Shot Put	Mr Chintan Pansara	Ms Hitanshi Patel
Discus Throw	Mr Harshal Gadhavi	Ms Aditi Singh
Javelin Throw	Mr Chintan Pansara	Ms Aditi Singh
Long Jump	Mr Vishnu Thakor	-
Triple Jump	Mr Navin Laheri	Ms Heli Patel
Chess	Mr Aayush Shah	Ms Molisha Soni
Carrom	Mr Siddharth Thanki	Ms Sweta Singh
Badminton	Mr Yash Patel	Ms Urvashi Jain
Table Tennis	Mr Neel Shah	Ms Kaval Patel
Lawn Tennis	Mr Aayush Shah	-

Number of students who have passed the following examinations (exams as applicable to respective institutes like: NET, SLETCAT, TOEFL, GRE, G-MAT, IELTS, GATE, GPAT, etc.

Sr No	Examinations	No of Students
1	GPAT 2020	6
2	IELTS	19
3	GRE	14

Alumni Association – activities supporting students

- Prominent Alumni Awards to 11 Alumni Members on Foundation Day of Institute of Pharmacy on October 1, 2019.
- Alumni Association (IPNUAA) offered Book Bank Facility to Top 15 meritorious students. Set of Books (approx Rs 5000/- per set) were issued on a loan basis at free of cost for the entire year.
- Department of Pharmaceutical Chemistry, Institute of Pharmacy, Nirma University organised the First Department Alumni meet on December 29, 2019. The alumni members discussed their professional working and experience.
- First Alumni Meet of Baroda Chapter was held on November 11, 2019. Dr Dhaivat Parikh, Dr Nrupesh Patel and Mr Tushar Patel from IPNU attended it. More than 15 Alumni members working in various pharma companies like Sun Pharma, SPARC, Alembic, etc. joined for the event.
- The annual alumni meet of IPNUAA (Institute of Pharmacy Nirma University Alumni Association) was held on January 26, 2020 at the Institute. More than 95 alumni attended the gathering, including alumni members from the first batch (2003 intake) to recently pass-out (in 2019) batch. Entertaining One-Minute Games and Photobooths were arranged at the central lawn for fun and interaction during tea time. Prof Manjunath Ghate, Director, IPNU & President, IPNUAA, welcomed all the alumni members and shared the newer initiatives at

the institute. Alumni members shared their experiences and revived their college days. Dr Dhaivat C Parikh, Vice President, IPNUAA, shared updates on Alumni Association activities at the Institute, as well as encouraged alumni members for active participation and enhance alumni networking. Succulent plant for desk décor was given to all alumni as a return gift. The annual meet ended with a lunch.

Career Guidance Talk by Alumni Members

- BPharm Alumni - Yash Prajapati (12BPH064), Scientific Sales Executive in Sanofi India Pvt Ltd delivered talk about “Career Prospects in Pharma Marketing for BPharm Graduates” on July 20, 2019 for students of BPharm Semester VII.
- BPharm Alumni - Hitesh Katariya (07BPH009), Founder - PharmaGupshup Academy delivered talk about “GPAT Exam Awareness & its Preparation” on July 23, 2019 for students of BPharm Semester VII.
- BPharm Alumni - Keval Trivedi (11BPH023), Director, AP Consultants, Gandhinagar delivered talk on “What Next after BPharm” on August 03, 2019 for students of BPharm Sem V.
- BPharm Alumni - Rahil Jani (11BPH045), Registered Pharmacist, Shoppers Drug Mart, Toronto, Ontario, Canada delivered talk about “Career prospects at Canada for BPharm graduates” on August 03, 2019 for BPharm Sem VII students.
- MPharm Alumni - Ms Namrata Desai (13MPH704), Clinical Research Associate, Clantha Research Limited, Ahmedabad, delivered Technical Talk on “Career Prospects in Clinical Research” on October 11, 2019 to students of BPharm Semester -VII.
- BPharm Alumni Dr Sachin Thakkar (03BPH052), Baylor College of Medicine (Houston, Texas, USA) delivered a career guidance talk on "Career Opportunities in Research at USA" for BPharm Semester VIII students on January 9, 2020.
- BPharm Alumni Dr Sachin Thakkar (03BPH052), Baylor College of Medicine (Houston, Texas, USA) delivered a Technical Talk on "Formulation Development of Dry Powder Vaccine and its GMP Perspectives for Tech Transfer" on January 9, 2020 to BPharm Semester VI students.
- BPharm Alumni, Mrunale Daymae (12BPH036) PhD Scholar, Memorial University of New Foundland, Canada, delivered a Technical talk on "Physiological responses to olfactory trace amine receptor activation” on January 17, 2020 to MPharm Semester – I & III Pharmacology students.
- MPharm Alumni Keyur Butani (11MPH106), Dr Reddy's Laboratory, Hyderabad, delivered a Technical talk on "Complex Injectables drug delivery and its challenges” on February 3, 2020 to MPharm students (Pharmaceutics) and BPharm Semester VI.

Technical Talk by Alumni Members

- MPharm alumni, Dr Nitesh Shah (05MPH003), Head - Technical Services, South Asia at Evonik, Mumbai delivered a Technical Talk entitled "3D Printing Technology in Modern Pharmaceutical Era" on 04.09.2019 to students of BPharm Semester VII, MPharm (Pharmaceutics).
- MPharm Alumni - Mr Vishal Nagar (09MPH410), Research Scientist, Pharma Solution Piramal Discovery, Ahmedabad delivered a Technical Talk on "Strategies of synthesis for medicinal compounds" on 06.09.2019 to students of BPharm Semester-V & VII, MPharm (Pharmaceutical Chemistry).
- BPharm Alumni - Dr Shivang Chaudhary (04BPH047), Chief Knowledge Officer (CKO) & Founder Director of QbD-Expert™, delivered Technical Talk on “Quality-by-Design (QbD) for Pharma Product Development” on 07.09.2019 to students of BPharm Semester - VII, MPharm (Pharmaceutics) and PhD Research scholars.

- MPharm Alumni - Mr Tarun Patel (06MPH008), Sr Research Scientist - Formulation Development, Piramal Enterprises Limited, Ahmedabad, delivered a Technical Talk on "Fluidized Bed Processing - MUPS" on 12.09.2019 to students of BPharm Semester - VII.
- BPharm & MPharm Alumni - Dr Amit Gajjar (03BPH003, 07MPH201), Manager, Medical Services, Aprica Healthcare Pvt Ltd, delivered Technical Talk on "Introduction to BA-BE studies" on 21.09.2019 to students of MPharm (Pharmacology).
- MPharm Alumni - Mr Chirag Mehta (11MPH401), Associate Scientist - II, Kashiv Biosciences, Ahmedabad, delivered Technical Talk on "Introduction to Histamine and Discovery and Development of H2 Antagonists" on 21.09.2019 to students of BPharm Semester - V.
- MPharm Alumni - Ms Prajakta Kulkarni (13MPH605), Former Research Associate at Oxygen Healthcare Research Pvt Ltd Ahmedabad, delivered Technical Talk on "Scope of Organic Chemistry in the Pharmaceutical Industry" on 21.09.2019 to students of BPharm Semester - III.
- MPharm Alumni - Ms Richa Rajpara (15MPH809), Sr Executive, Zydus Research Centre, Ahmedabad, delivered Technical Talk on "Product Life Cycle Management: Recent Update" on 21.09.2019 to students of MPharm (Regulatory Affairs).
- MPharm Alumni - Tishir Gandhi (12MPH115), Research Associate, Zydus Research Centre, Ahmedabad, delivered technical talk on "Process of Sterilization in the Pharmaceutical Industry" on October 11, 2019 to students of BPharm Semester - III.
- BPharm & MPharm Alumni - Mr Mikul Soni (05BPH067 & 09MPH306), Deputy Manager, ADL (Pulmonary), Zydus Healthcare Ltd Ahmedabad, delivered Technical talk on "Analytical Methods, Development, Stability Studies, and Validation: Industrial Perspective" on October 17, 2019 to MPharm Semester - I & III students.
- MPharm Alumni - Dr Devang Patel (05MPH011), Global Clinical Development, ELC Research Group Pvt Ltd Ahmedabad, delivered Technical Talk on "Pharmacovigilance Activities in Europe" on October 19, 2019 to MPharm (Pharmacology) Sem - I & III students.
- MPharm & Full-time PhD Alumni - Dr Udit Chaube (12MPH602, 14FTPHDP30), Senior Research Fellow, National Innovation Foundation (Autonomous Body of DST, Govt. of India), Gandhinagar, delivered Technical Talk on "Limit tests and their importance for the identification of the impurities" on October 19, 2019 to BPharm Sem - I students.
- MPharm Alumni - Gaurav Panchal (07MPH202), Scientific Officer, Blood alcohol division (Chemistry Department), Forensic Department under Govt. of Gujarat, Ahmedabad delivered Technical Talk on "Newer developments in Antidiabetic drugs" on October 22, 2019 to BPharm Semester - V Students.
- PhD Alumni - Dr Nisith Raval (13FTPHDP23), Manager, Formulation and Development, Meteoric Biopharmaceuticals Pvt Ltd delivered Technical talk on "Basic concepts of dietary supplements and functional food" on October 25, 2019 to BPharm. Semester - VII Students.
- Alumni from MSc Cosmetic Technology - Disha Pandya (14MCT103), Senior Research Executive, Research & Development, Zydus Wellness delivered a Technical Talk on "Industrial Utilisation and Applications of Volatile Oils, Resins and Flavonoids" on October 22, 2019 to BPharm Semester - V Students.

Activities of Counselling

Students are counselled by mentors throughout their tenure at Institute of Pharmacy, Nirma University for their career related and other guidance.

Placement services to students:

- As of March 31, 2020, from the Batch of 2020 pass-out students, 20 students of MPharm have been placed at organisations like Torrent Pharma, Novartis, APCER, INTAS, MOLKEM, Aegis lifesciences, Finecure Pharma.

- All students seeking placement support from batch pass-out of 2019 were given assistance in placement and out of total 48 students seeking placement 45 students were placed. The placement support was given till September 2019.
- Internship was facilitated for BPharm students during summer vacation of 2019. Total 210 internships were carried out by BPharm students. All students of MPharm semester II did their internship during summer vacation at reputed organisations like Sun Pharma, Synchron research, Alkem, Cipla, Emcure, CPC Ltd, Brillaire science etc.
- During the year, sessions were conducted on CV writing, Group discussion, professional SWOT analysis. For developing communication skills for identified (by taking online English proficiency test) students eight sessions of 2 hours each were conducted by an expert faculty. Mock aptitude test was taken by final year students which gave them a first-hand feel of placement aptitude test. Detailed analysis of aptitude test was shared with the students.

**Institute
of
Science**

Institute of Science

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Institute at a glance

In the year 2019-20, Institute of Science saw remarkable growth in collaborative grants for research and infrastructure development. The DST-FIST granted by Department of Science & Technology, Government of India for purchase of high-end sophisticated laboratory equipments was successfully implemented and the facility is being utilised for carrying out the funded research projects, PhD research studies and MSc dissertation work at the Institute. GSBTM sanctioned Bioinformatics Nodal Centre at NIS conducted training for faculty members, PhD and Research scholar and MSc students. The faculty members **completed** six major grants (1DBT, 1GSBTM and 4 DST-SERB) worth **180.56 lakhs** and are working on six **ongoing projects** (DBT, DST, GSBTM) worth **201.48 lakhs**. Sanction for **2 new** grants worth **127.24 lakhs** (DBT, GSBTM) has been received.

Institute of Science continued outstanding research performance contributed by Faculty, PhD scholars and MSc students. **Four** of our faculty members have collaboration with eighteen academic/research institutes for research activities. **Two** faculty members served as Reviewer and External expert for viva-voce conduction of 6 PhD students from other Universities. **Three** faculty members served as expert for review of Research grants from six scientific bodies. **Six** invited lectures were delivered by the faculty members, whereas **two** faculty members acted as resource persons in workshops. **Three** faculty members were inducted as members of Scientific Research Bodies and **One** faculty member received the award for Best Young Researcher. **Four** book chapters, 33 research papers in international journals were published by the faculty with average impact factor of **2.964**. A total of 21 papers were presented by faculty members and students in various national and international conferences. **Ten** PhD theses and 29 MSc dissertations were submitted.

Outstanding Achievements

1. **Prof Sarat Dalai** received a grant of Rs 49.5 lakhs for a Major Project titled 'Studying Immune Adjuvant Potential of chimeric IL-15' from GSBTM, Govt of Gujarat during March 2020.
2. **Dr Sriram Seshadri** was recognised as one of the Top 50 Coordinators of IQAC across India by The Academic Council of uLektz.
3. **Dr Dablu Lal Gupta** received the Swastha Jyoti Paritoshik Young Researcher Award at National conference, EMINDIA 2019 held at AIIMS, New Delhi during 3-4th August 2019.
4. **Dr Vijay Kothari** has been inducted as an Editorial Board Member of: (a) Frontiers in Pharmacology (Ethnopharmacology Section) (b) Infectious Disorders: Drug targets.
5. **Dr Vijay Kothari** has been inducted as a member of the International Society for Infectious Diseases (ISID), USA.
6. **Dr Sonal R Bakshi** is invited associate member of the international society for Down Syndrome research, Netherlands, "T21RS", 11 Sept. 2019.
7. **Dr Ameer Nair** has been inducted as a Life Member of the Indian Academy of Neurosciences (IAN), India during August 2019.
8. **Ms Sweta Patel** completed PhD on "Evaluating the Immunological Environment of Liver and its Metabolic Shift- following Gut Microbiota Alteration in Diet Induced Type 2 Diabetes" under Dr Shriram Seshadri from Institute of Science, Nirma University.

9. **Ms Svetal Shukla** completed PhD on “Growth of Biotechnology and Allied Subjects: A Scientometric Study” under Library and Information Science from Dr Baba Saheb Ambedkar Open University.
10. **Prof Shalini Rajkumar** delivered an invited talk on ‘Concepts, Mechanism and Applications of Genome Editing Technologies’ during Guest Lecture Series organised by Department of Microbiology, Shri Ramkrishna Institute of Computer Education and Applied Sciences, VNSGU, Surat on December 28, 2019.
11. **Prof Sarat Dalai** delivered an invited talk titled ‘Generation of Antigen Specific Memory CD4+ T cells by Mimicking Natural Infection’ during 46th Annual Conference of Indian Immunology Society (Immunocon-2019) at BARC, Mumbai on November 15, 2019.
12. **Dr Ameer Nair** delivered an invited lecture on “Neuropathological implications of NRG1/ErbB receptor expression in brain during diabetes: Influence on cognitive and motor function” XXXVII annual meet of Indian Academy of Neurosciences ‘Neuron to Behaviour’ organised by Departments of physiology & anatomy, AIIMS, New Delhi during November 18-21, 2019.
13. **Prof Sarat Dalai** was invited to give a lecture on “Delaying primary challenge of mice immunized with radiation-attenuated sporozoite fails to generate protective CD8+ T cells required for protracted sterile protection against Plasmodium infection, 30th National Congress of Parasitology & Global Summit on Malaria Elimination, JNU, New Delhi, India on September 27, 2019.
14. **Dr Ameer Nair** delivered the plenary lecture titled "Neuroscience: Basic facts, opportunities and beyond" at the inaugural session of "BioCalyx 2019" - the state level Bioscience Fest organised and held at St Xavier's College, Ahmedabad on July 6, 2019.
15. **Prof Sarat Dalai** delivered an invited talk titled “Developing Effective Vaccine by mimicking natural Infection”, World Immunology Day celebration, MSU, Vadodara on Apr 13, 2019.
16. **Dr Nasreen S Munshi** was invited as a resource person in a Crash Course Programme, BT-CBC, jointly organised by Gujarat State Biotechnology Mission, Gandhinagar and Department of Biotechnology, Pramukh Swami Science & HD Patel Arts College, Kadi on February 12, 2020.
17. **Dr Ameer Nair** was invited as a resource person during the BT-CBC crash workshop jointly organised by GSBTM and Pramukh Swami Science & HD Patel Arts College, Kadi on February 12, 2020.

Important Activities

1. The Institute organised the orientation programme for newly admitted MSc Biotechnology, MSc Biochemistry and MSc Microbiology students during July 1-6, 2019. The chief guest of the inaugural programme was **Dr Rustom Mody**, Head, Research and Development, Lupin Ltd (Biotechnology Division), Pune. Dr Mody delivered a talk on “Recent trends in Biopharma industry”.
2. The Institute celebrated its fifteenth foundation day on Sept 5, 2019 in the presence of Shri K K Patel (Vice President, NU) and Dr Anup K Singh (Director General, NU).
3. Extramural lecture by **Prof G Padmanaban**, Emeritus Professor and Former Director, IISc, Bangalore; Recipient of Padmashree and Padmbhushan. He delivered a talk on ‘Contours of Biomedical Research in India’, wherein he presented a bird’s eye view of the current national and international status of health sector. He touched upon the unsolved challenges of developing vaccines against tuberculosis and malaria. He also talked about emerging fields like

3D Bioprinting, Stem Cell Therapy, Mainstreaming of natural products as therapeutic agents/formulations, etc.

4. For the academic communities of Nirma University and beyond, Institute of Science organised a Public Lecture "Challenges and Opportunities in Higher Education in India" on February 28, 2020. The talk was delivered by **Prof Virander Singh Chauhan**, chairman of NAAC Executive committee.

Dignitaries Visited

1. Dr Sushant Kachhap from Johns Hopkins University School of Medicine, USA visited during 19-20th December, 2019
2. Prof Javed Agrewala, Dean Research, IIT, Ropar visited the institute on 5th April, 2019
3. Dr Preeti Desai, IIAR, Gandhinagar on 27th September, 2019
4. Dr Harsh Sheth, Head, Advanced Genomic Technologies Division, Institute of Human Genetics, Foundation for Research in Genetics and Endocrinology, 27th September, 2019
5. Prof Mulchand Patel, Department of Biochemistry, State University of New York at Buffalo, USA, 27th September, 2019
6. Dr Manish Mourya, Supra Tech Laboratory, Ahmedabad, Gujarat, 27th September, 2019
7. Ms Manisha Pathak, Life Coach, Motivational speaker, Community Outreach Leader (VOSAP), 27th September, 2019
8. Mr Ashish Pandya, Lead Strategist, The Gene Box, was invited to the Institutional Jt Board of Studies Member as Invitee Alumni Member, 5th July, 2019
9. Dr Gauri Shankar Sa, Professor of Molecular Medicine, Bose Institute, Kolkata, 5th July, 2019
10. Mr Vincent Vaz, Counsellor cum Trainer, 4th July, 2019
11. Dr Umesh Chand Yadav, Central University, Gujarat, Gandhinagar, 4th July, 2019
12. Prof Linz buoy George, Dept of Zoology, Gujarat University, Ahmedabad, 3rd July, 2019
13. Dr Anand Bhadalkar, Joint Director, Business Development, GSBTM, Gandhinagar, 3rd July, 2019
14. Prof G Naresh Kumar, Dept of Biochemistry, MS University, Baroda, 1st July, 2019
15. Dr Rustom Mody, Head, Research and Development, Lupin Pharma, Pune, 1st July, 2019
16. Prof L S Shashidhara, Dean of Research & Professor of Biology, Ashoka University, 9th December, 2019
17. Dr Sanjay K Banerjee, Principal Scientist II, Translational Health Science and Technology Institute, (THSTI), 15th October, 2019
18. Dr Umashankar, Asst Professor, IIT Gandhinagar, 25th January, 2020
19. Dr Nishodh Saxsena, Founder & Managing Director, Pharma Knowledge Centre, 15th February, 2020
20. Prof V S Chauhan, Chairman, NAAC Executive Committee, 28th February, 2020

I. Curricular Aspects

No. of courses where major revision is made

- ✓ Revisions have been made in the syllabus of Genetic Engineering (Semester II) and practicals offered - Laboratory II (Semester- II)

II. Teaching Learning and Evaluation

Faculty completed/pursuing PhD

All faculty members are PhD degree holders including two new faculty members Dr Dablulal Gupta and Dr Kuldeep Verma who joined in August 2018.

Innovation in Teaching – learning and evaluation

- ✓ Students are offered Core courses, bridge courses, specialized elective courses and enrichment courses.
- ✓ Depending upon the performance of the students, student feedback and opinion of the experts in the board of studies, summer training for the students has been introduced and made compulsory. Students have to undergo industrial training/summer training of 21 working days to get the hands-on experience and orientation for their career.
- ✓ Course related websites and blogs are developed and maintained to enable 24x7 learning.
- ✓ Introduced MCQs in CE to familiarize students with national level test.
- ✓ Videos pertaining course specific topics are shown to students for better learning.

Activities to sustain healthy practices

- ✓ The Institute trains the students to improve their writing and presentation skills.
- ✓ Students are encouraged to attend and present posters at various national and international level seminars & conferences to harness their research aptitude.
- ✓ Students are provided with a platform to interact with leading researchers from across the country and the globe, who are invited to deliver expert lectures.
- ✓ Regular Attendance and Academic performance of the students are monitored.
- ✓ To ensure ethical and moral values in students a special course on ethics and duties is being taught.

Interdisciplinary students' project

The Institute has approved in the Faculty of Science meeting, the feasibility of the MSc students to perform their dissertation work at other Institute, such as Institute of Pharmacy and Institute of Technology depending upon the availability and the area of interest.

Name of Student	Studied in	Research Area	Mentor	Particulars
Maulik Shah	MSc in Cell and Molecular Biology, MSU, Baroda	Immunology	Prof Sarat Dalai [ISNU] & Prof Nareshkumar [MSU]	Understanding the status of TIL during tumour progression and regression upon chimeric IL-15 treatment"
Bakulkumar Patel, Roshani Kumari, Dhvani Makwana	MSc Microbiology, Biotechnology and Biochemistry (2019-20)	Microbial Fuel Cell	Dr Nasreen S Munshi (ISNU) and Dr Manisha Shah (ITNU-EE)	Investigation of the efficiency of consortium to bioremediate hydrocarbons in wastewater through MFC

Exam reforms implemented

- ✓ The Institute has implemented the components of Continuous Evaluation. This CE component will include Quizzes, assignments, tests and exams as decided by the Director, Programme coordinator and the respective course coordinator.
- ✓ As per exam section reforms, ISNU has removed two section in question paper and students now writes the whole SEE in a single answer book.
- ✓ Institute allows flexible timings for SEE paper evaluation.

No. of faculty development programmes availed by faculty: 05

- ✓ Faculty Development Programme: 3
- ✓ Refresher Course: 2

No. of faculty development programme organised by the Institute: 01

- ✓ A three days' workshop on "Flow cytometry in Research and Health Care" was organised during 3-5, March 2020.

Invited/ Endowment lectures: 23

Non-teaching Staff Development

- ✓ Ms Sweta Patel, Laboratory Assistant, has completed 3 week Staff Training Programme- 2019 held during 19-2-2019 to 7-3-2019, organised by the CQAAD, Nirma University.

III. Research, Consultancy & Extension

Major Research Projects funded by Nirma University

Amount in Lac

Financial Year	Ongoing		Sanctioned	
	Number	Amount	Number	Amount
2019-20	1	29.90	-	-
2018-19	-		1	29.90

Major Research Projects funded by externally funding Agencies

Financial Year	Completed		Ongoing		Sanctioned	
	Number	Amount	Number	Amount	Number	Amount
2019-20	3	95.63	8	355.65	1	49.48
2018-19	4	151.40	2	31.87	3	165.45

Minor Research Projects funded by Nirma University

Financial Year	Ongoing	
	Number	Amount
2019-20	2	2.00
2018-19	-	-

Minor Research Projects funded by externally funding Agencies

Financial Year	Completed		Ongoing		Sanctioned	
	Number	Amount	Number	Amount	Number	Amount
2019-20	-	-	-	-	-	-
2018-19	1	1.46	-	-	1	1.11

Completed Major Research Projects

Sr. No.	Title of the Project	Project Investigator/s	Funding Agency	Grant (in ₹)
1.	Infectious Status of Plasmodia Modulating the Innate Response in Determining the Fate of Liver-Stage Specific Cd8+ T Cells that Ensure Long-Lived Protection Against Malaria	Prof. Sarat Kumar Dalai	Science and Engineering Research Board (SERB), DST	52,10,000/-
2.	Development of Chimeric IL-15 to Improve its Bioavailability and Efficacy	Prof. Sarat Kumar Dalai	Department of Biotechnology (DBT)	34,18,000/-
3.	Investigation of the Regulatory Role of mir-712 in Inflammation Induced Skeletal Muscle Insulin Resistance	Prof. Sriram Seshadri	Science and Engineering Research Board (SERB), DST	9,35,000/-
Total Grant				4,35,036,90/-

Ongoing Major Research Projects

Sr. No.	Title of the Project	Project Investigator/s	Funding Agency	Grant (in ₹)
1.	Understanding the Functional Role of Vacuolar ATPases in Trophocytosis and Tissue Invasion Mediated by Entamoeba Histolytica	Prof. Kuldeep Verma	Science and Engineering Research Board (SERB), DST	29,91,700/-
2.	Understanding the Spatiotemporal Dynamics and Ultrastructure Details of ECM Degrading Device Amoebic Invadosomes and their Crosstalk with RAB GTPases and Cell Surface Proteases Trafficking Machinery in E. Histolytica	Prof. Kuldeep Verma	Science and Engineering Research Board (SERB), DST	38,51,300/-

3.	Engineered Bioremediation Approaches for Onsite Treatment of Soil Contaminated with Crude Oil	Prof. Nasreen Munshi, Prof. Shalini Rajkumar	Department of Biotechnology (DBT)	77,75,000/-
4.	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, Prof. Manisha Shah, Prof. Chetna Chauhan. This project is of interdisciplinary nature and combined with Institute of Technology, Nirma University and Veer Narmad South Gujarat University	Gujarat State Biotechnology Mission (GSBTM)	48,96,574/-
5.	Elucidating the Role of Short Chain Fatty Acids (SCFAS) and Its Receptors in High Sugar Diet Induced Type II Diabetes	Prof. Sriram Seshadri	Gujarat State Biotechnology Mission (GSBTM)	22,52,000/-
6.	Investigating the Role of CRC in Regulation of PQQ GDH Involved In MPS Phenotype of Acinetobacter SP. and its Repression	Prof. Shalini Rajkumar	Department of Science & Technology (DST)	38,73,200/-
7.	Bone Metastatic Signature in Indian Breast Cancer Patients	Prof. Heena Dave	Department of Science & Technology (DST)	7,25,000/-
8.	FIST Infrastructure Grant	Prof. Sarat Dalai	Department of Science and Technology New Delhi	92,00,000/-
9.	Microbial Fuel Cell: An Approach for Wastewater Treatment with Generation of Green Electricity	Prof. Nasreen Munshi, Prof. Manisha Shah	Nirma University	29,90,700/-
Total Grant				3,85,554,74/-

Sanctioned Major Research Projects

Sr. No.	Title of the Project	Project Investigator/s	Funding Agency	Grant (in ₹)
1.	Studying the Immune Adjuvant Potential of Chimeric IL-15	Prof. Sarat Kumar Dalai	Gujarat State Biotechnology Mission (GSBTM)	49,48,216/-
Total Grant				49,48,216/-

Minor Research Projects

Ongoing Minor Research Projects

Sr. No.	Title of the Project	Project Investigator/s	Funding Agency	Grant (in ₹)
1.	Understanding the Functional Role of Sar1-Like GTPases Homologue from Entamoeba Histolytica	Prof. Kuldeep Verma	Nirma University	1,00,000/-
2.	To Investigate the Expression of T Cell and Their Subsets (Th1, Th2, Th17 And Treg) Cells in The Melanoma	Prof. Dablulal Gupta	Nirma University	1,00,000/-
Total Grant				2,00,000/-

Numbers of Teachers allowed to participation in national/international conference based on the acceptance of research paper: 10

Financial Year	National Conference	
	Number	Amount
2019-20	07	49,357
2018-19	4	30,611

Publication by Institute – International/National Conference Proceedings, Institute Journals, dissertation abstracts, PhD Thesis etc.

National Journals: 0

International Journals: 33

Financial Year	National Journal			International Journal		
	No. of paper published	No. of paper considered for cal. of aver. impact factor	Average impact factor	No. of paper published	No. of paper considered for cal. of aver. impact factor	Average impact factor
2019-20	00	00	-	33	19	2.964
2018-19	01	01	01	28	19	3.03

During 2019-20 faculty members published a total of **33 papers** in International Journals with Impact Factor ranging from **0.06 to 5.14**.

Also there were four Book Chapters published during 2019-20

PhD Thesis Submitted: 10

No	Author	Title	Guide Name	Month & Year	Thesis no. in Koha
1	Sweta Patel	Understanding of role of TLRs and receptors of liver following gut microbiota shift in diet induced Type 2 diabetes	Dr Sriram Seshadri	May 2019	pending

2	Madhavi Joshi	Effect of Recurrent Hypoglycemia on NRG1/ErbB Receptor Subtypes during Diabetes and its Implications in Motor and Cognitive Functions	Dr Ameer Nair	Sept 2019	Pending
4	Pooja Patel	Investigation on anti-pathogenic potential of Herboheal Formulation, and Phyllanthus emblica seed extract against certain human-pathogenic bacteria	Dr Vijay Kothari	Sept 2019	Pending
5	Krupali Parmar	Biochemical and biophysical studies on thermostable and thermoactive enzymes and understanding the molecular determinants of protein thermostability	Dr Mili Das	Sept 2019	Pending
6	Varsha Trivedi	Role of HLA (class-I and II) antibodies and infections among renal transplantation	Prof Sarat K Dalai	Sept 2019	Pending
7	Avani D Darji	Isolation, Characterization and development of cell lines from acute myeloid leukemic patients	Prof Shalini Rajkumar	Oct 2019	ST000058
8	Rushika Patel	Development of bioprocess for identification of pollutant levels in industrial wastewater	Dr Nasreen S Munshi	Feb 2020	Pending
9	Vishakha Bhurani	Induction of memory T cells by mimicking natural course of infection	Prof Sarat K Dalai	Feb 2020	Pending

Awards and Recognition (Institute/ Department/ Faculty)

1. Prof Sarat Dalai was invited to review 2 research papers for Bioscience Reports, Portland Press during 2019-20.
2. Prof Sarat Dalai served as External Reviewer and Expert for the Viva voce of Ms Sonal Patel, PhD student under Prof Suresh Balakrishnan, Dept of Zoology, MSU Baroda on 23rd November, 2019.
3. Prof Sarat Dalai served as External Reviewer of PhD Thesis of Rohini Datta, studying under Prof Raghavan Varadraj, Molecular Biophysics Unit, Indian Institute of Science, Bangalore during August 2019.
4. Prof Shalini Rajkumar and Prof Sarat Dalai served as a reviewer for a Shastri programme development grant (SPDG) R2 for the Shastri Indo Canadian Institute during July 2019.
5. Dr Shalini Rajkumar was invited as an Expert to review nominations for BIRAC-SITARE-GYTI 2020 nominations by SRISTI foundations.

6. Dr Shalini Rajkumar reviewed the PhD thesis and conducted the final PhD viva voce of Priyanka Patel guided by Prof Minu Saraf at the Department of Microbiology, Gujarat University, July 2019.
7. Dr Shalini Rajkumar was invited as PhD thesis reviewer and to conduct final PhD viva voce of Gayatri Patel student of Dr Nikunjana Patel at the Department of Life Sciences, Ganpat University, July 2019.
8. Dr Shalini Rajkumar was invited as PhD Thesis Reviewer and to conduct final PhD viva voce of Ms Sweta Talreja, student of Anuradha Nerurkar at the Department of Microbiology, MS University of Baroda, October 2019.
9. Dr Shalini Rajkumar was invited as PhD thesis reviewer and to conduct final PhD viva voce at the Department of Microbiology, Kadi Sarva Vishwavidyalaya, Gandhinagar, Jan 2020.
10. Dr Sriram Seshadri was recognised as one of the Top 50 Coordinators of IQAC across India by The Academic Council of uLektz.
11. Dr Nasreen S Munshi has been invited as part of a National Level Expert Committee to review major completed R&D projects funded under the "Bio pesticide & Bio fertilizer programme" of DBT, which have completed their tenure to review the project completion reports and take further follow up actions on project outcome.
12. Dr Vijay Kothari was invited to act as Evaluator of the project proposals (Frontier Science 2019 call) for The National Council of Science and Technology, Mexico.
13. Dr Vijay Kothari was invited to be part of Editorial/Advisory board of Infectious Disorders-Drug Targets (2019-21); Bentham Science Publishers.
14. Dr Vijay Kothari was invited as Review Editor on the Editorial Board of Ethnopharmacology (specialty section of Frontiers in Pharmacology); since Nov 2019.
15. Dr Vijay Kothari was elected as a member of Microbiology Society, UK (2020).
16. Dr Vijay Kothari was elected as a member of British Society for Antimicrobial Chemotherapy (since Jan 1, 2020).
17. Dr Vijay Kothari was elected as a member of International Society for Infectious Diseases (ISID), USA (since 2019).
18. Dr Vijay Kothari was invited as an External Member, Project Evaluation Committee: Institute for Plasma Research, Gandhinagar (2019 onward).
19. Dr Ameer Nair has been inducted as a Life Member of the Indian Academy of Neurosciences (IAN), India during August 2019.
20. Dr Dablu Lal Gupta, Assistant Professor received the grants from GSBTM, Gandhinagar and Indian Immunology society, India for organizing a three-day workshop on "Flow cytometry in Research and Health Care."

Publication by Institute – International/ National Conference Proceedings, Institute Journals, dissertation abstracts, PhD Thesis etc.

Research Publications by Faculty

Total No. of publication: **33** Average impact factor: **2.964**

1. Pranati Sar, Aarushi Agarwal, Devanshi Hanrajibhai Vadodariya, Hiral Kariya, Jaydipbhai Khuman, Sarat Dalai (2019) MHC II (DRB) promoter polymorphisms and its role in parasite control among malaria patients" Journal of Immunology doi.org/10.4049/jimmunol.1900558. (Imp Factor – 4.718).

2. Rajesh Parmar, Hardik Patel, Sarat K. Dalai (2019) Whole Sporozoite Vaccination: Duration between Successive Immunization Dictates the Fate of Protective Immunity, J Pediatrics & Pediatr Med. doi.org/10.29245/2578-2940/2019/3.1148. (Imp Factor – 2.6)
3. Aishwarya Joshi, Nikunj Tandel, Priyanka Tyagi, Sarat K Dalai, Prakash S Bisen & Rajeev K Tyagi (2019) RNA-loaded dendritic cells: more than a tour de force in cancer therapeutics. Immunotherapy, doi.org/10.2217/imt-2019-0058. (Imp Factor – 3.028).
4. Mansi, P. Shikha, T., Dhara, B., Sonal, B., Snehal, P., Mehta, P. In vitro evaluation for protective effect of bamboo leaves against gamma radiation induced genetic damage and their polyphenols quantification using RP-HPLC. (2020). Indian Drugs, 57(1) 27-36. ISSN: 0019-462X.
5. Trivedi VB, Chaudhary AA, Pandya KG, Dalai SK and Trivedi HL (2019) Incidence of BK virus infection in Renal Transplant. Int. J. Biology, Pharmacy and Allied Sciences, 8(2): 365-372. (Imp actor – 0.812)
6. Cytogenetics of Recurrent Spontaneous Abortions: A Study of 250 Products of Conception. Anushka Shrivastava Tara Nath, Brijesh Kumar and Sonal Bakshi (2019). International Journal of Human Genetics, 19(4):165-169, PRINT: ISSN 0972-3757, ONLINE: ISSN 2456-6330. DOI: 10.31901/24566330.2019/19.04.74.
7. Kumar H, Pushpa K, Kumari A, Verma K, Pergu R, Mylavarapu SVS. The exocyst complex and Rab5 are required for abscission by localizing ESCRT III subunits to the cytokinetic bridge. J Cell Sci. 2019;132(14): jcs226001. Published 2019 Jul 17. doi:10.1242/jcs.226001 (IF: 4.517)
8. Bhagya Iyer and Shalini Rajkumar (2019). Succinate irrepressible periplasmic glucose dehydrogenase of *Rhizobium* sp. Td3 and SN1 contribute to its phosphate solubilization ability. Archives of Microbiology. 201:649–659 (IF: 1.61)
9. Krishna Bharwad and Shalini Rajkumar (2019). Rewiring the functional complexity between Crc, Hfq and sRNAs to regulate carbon catabolite repression in *Pseudomonas*. World Journal of Microbiology and Biotechnology. 35:140-152. (IF: 2.7).
10. Ekta Joshi, Bhagya Iyer and Shalini Rajkumar (2019). Glucose and arabinose dependent mineral phosphate solubilization and its succinate-mediated catabolite repression in *Rhizobium* sp. RM and RS. Journal of Bioscience and Bioengineering. 128 (5), 551-557 (IF: 2.24).
11. Rushika Patel, Purvi Zaveri, Anwesha Mukherjee, Pradeep K. Agarwal, Prashant More and Nasreen S. Munshi (2019). Development of fluorescent protein-based biosensing strains: A new tool for the detection of aromatic hydrocarbon pollutants in the environment. Ecotoxicology and Environmental Safety, 180, 109450. (IF: 4.527).
12. Madhavi Joshi, Ameer Krishnakumar, Hypoglycemia causes dysregulation of Neuregulin 1, ErbB receptors, Ki67 in cerebellum and brainstem during diabetes: Implications in motor function, Behavioral Brain Research, 372:112029, Oct 2019. ISSN: 0166-4328. (IF-2.77).
13. Munshi Nasreen Shakil and Rushika Patel (2019). Structure prediction and molecular docking studies of aromatic hydrocarbon sensing proteins tbut, hbpr and phnr to detect priority pollutants. International Journal of Environmental Science and Health, Part A, (Published online - 29 Sept. 2019), 55 (2): 1532-4117. ISSN: 1093-4529, (IF: 1.536).
14. Pasupureddy R, Atul, Seshadri S, Pande V, Dixit R and Pandey KC. Current scenario and future strategies to fight artemisinin resistance. Parasitology Research, 2019, 118(1): 29-42 (IF: 2.558).
15. Das M, Solanki A, Joshi A, Devkar R, Seshadri S and Thakore S. β -cyclodextrin based dual-responsive multifunctional nanotheranostics for cancer cell targeting and dual drug delivery. Carbohydrate Polymers, 2019, 206: 694–705 (IF: 5.158).

16. Pasupureddy R, Verma S, Pant A, Ruby Sharma, Sriram Seshadri, Pande V, Saxena AK, Dixit R and Pandey KC. Crucial residues in falcipains that mediate hemoglobin hydrolysis. *Experimental Parasitology*, 2019, 197: 43-50 (IF: 1.821).
17. Mandaliya D and Seshadri S. Short Chain Fatty Acids, pancreatic dysfunction and type 2 diabetes. *Pancreatology*, 2019, 19: 617-622 (IF: 2.763).
18. Patel S, Mandaliya D, Prajapati B, Kumar S and Seshadri S. Cefdinir Microsphere modulated microflora and liver immunological response to diet induced diabetes in mice. *Endocrine, Metabolic & Immune Disorders-Drug Targets*, 2019, 19(3): 349-357 (IF: 2.013).
19. Thakuria A, Sheth M, Patel S, Seshadri S. Characterizing Xylooligosaccharide (XOS) for its prebiotic properties- an in vitro study. *International Journal of Research and Analytical Reviews*, 2019, 6(2): 185-191.
20. Seshadri S, Rapaka N, Prajapati B, Mandaliya D, Patel S, Muggalla CS, Kapadia B, Babu PP, Misra P and Saxena U. Statins exacerbate glucose intolerance and hyperglycemia in a high sucrose fed rodent model. *Nature Scientific Reports*, 2019, 9:8825, doi.org/10.1038/s41598-019-45369-8. (IF: 4.259).
21. Thakuria A, Sheth M, Patel S, Seshadri S. An in vitro study of the prebiotic properties of Xylooligosaccharide (XOS) and organoleptic evaluation of XOS added Prawn patia and Black rice kheer. *Bioactive Compounds in Health and Disease*, 2020; 3(1): 1-14.
22. Verma S, Khambhala P, Joshi S, Kothari V, Patel T and Seshadri S. Evaluating the role of dithiolane rich fraction of ferula asafoetida (apiaceae) for its anti-proliferative and apoptotic properties – in vitro studies. *Experimental Oncology*, 2019, 41(2): 90–94, (IF: 0.366).
23. Pooja patel, Chinmayi Joshi, Vijay Kothari (2019). Supernatants of the probiotic bacterial cultures at sub-MIC levels attenuates virulence of pathogenic bacteria towards the model host *Caenorhabditis elegans*. *Infectious Disorders - Drug Targets*. DOI: 10.2174/1871526519666191211141827 (IF: 0.95)
24. Pooja Patel, Chinmayi Joshi and Vijay Kothari (2019). Anti-infective potential of hydroalcoholic extract of *Phyllanthus emblica* seeds against selected human-pathogenic bacteria. *Infectious Disorders - Drug Targets*; 19: 1. <https://doi.org/10.2174/1871526519666190821154926>. (IF: 0.95)
25. Shailja Verma, Pinakin Khambhala, Sanjay Joshi, Vijay Kothari, Tithi Patel, Sriram Seshadri (2019). Evaluating the role of dithiolane rich fraction of *Ferula asafoetida* (apiaceae) for its anti-proliferative and apoptotic properties – in vitro studies. *Experimental Oncology*, 41(2): 90-94. (IF: 0.89)
26. Pooja Patel, Chinmayi Joshi, Vijay Kothari (2019). Antipathogenic Potential of a Polyherbal Wound-Care Formulation (Herboheal) against Certain Wound-Infective Gram-Negative Bacteria. *Advances in Pharmacological Sciences*, vol. 2019, Article ID 1739868, 17 pages, 2019. <https://doi.org/10.1155/2019/1739868>. (IF: 2.25)
27. Joshi C, Patel P and Kothari V (2019). Anti-infective potential of hydroalcoholic extract of *Punica granatum* peel against gram-negative bacterial pathogens. *F1000Research*, 8:70 (<https://doi.org/10.12688/f1000research.17430.1>). (IF: 2.64)
28. Chinmayi Joshi, Pooja Patel, H S Palep, Vijay Kothari (2019). Validation of the anti-infective potential of a polyherbal ‘Panchvalkal’ preparation, and elucidation of the molecular basis underlining its efficacy against *Pseudomonas aeruginosa*. *BMC Complementary and Alternative Medicine*, 19(1):19. DOI: 10.1186/s12906-019-2428-5. <https://rdcu.be/bhokn> (IF: 2.60)

29. Vijay Kothari (2019). Validation of traditional medicinal practices through modern scientific approach: A case for reconsideration. *Current Pharmacogenomics and Personalized Medicine*. DOI: 10.2174/1875692118666191223155350 (IF: 0.19)
30. Vijay Kothari (2019). Adopting an Anti-Virulence (anti-pathogenicity) Approach for Dealing with the Problem of Antimicrobial Resistance. *Recent Patents on Biotechnology*, 13(4):252-255. DOI: 10.2174/187220831304191025092737 (IF: 0.82)
31. Patel P, Joshi C, Birdi T and Kothari V (2019). Anti-infective efficacy of *Psidium guajava* L. leaves against certain pathogenic bacteria. *F1000 Research*, 8:12. (IF: 2.64).
32. Priya Patel, Hiteshi Patel, Dhara Vekariya, Chinmayi Joshi, Pooja Patel, Steven Muskal, Vijay Kothari (2019). Sonic stimulation, and low power microwave radiation can modulate bacterial virulence towards *Caenorhabditis elegans*. *Anti-infective Agents* 17,150-162. DOI:10.2174/2211352516666181102150049 (IF: 0.61).
33. Pooja Patel, Chinmayi Joshi, Vijay Kothari (2019). Anti-pathogenic efficacy and molecular targets of a polyherbal wound-care formulation (Herboheal) against *Staphylococcus aureus*. *Infectious Disorders - Drug Targets*, (19). DOI: 10.2174/1871526518666181022112552. (IF: 0.95)

Book Chapter: 04

1. Kothari V. Referee Report For: Efficacy of a silver colloidal gel against selected oral bacteria in vitro. *F1000Research* 2019, 8:267 (<https://doi.org/10.5256/f1000research.19360.r45449>).
2. Krishna Bharwad and Shalini Rajkumar (2019). An Overview on Phosphate Solubilizing Bacteria (PSBs) and Factors Affecting Their Performance. In: *Plant Growth Promoting Microorganisms: Microbial Resources for Enhanced Agricultural Productivity*. 45-66. Niranjana S. Raj and A. C. Udayashankar (Eds.) Nova Science Publishers, USA.
3. Abhipsa VF, Debnath, Priti, Mehta, Sonal Bakshi (2019) "In vitro Micronucleus Assay: Scope for Genotoxicity Assessment and Beyond", "Micronucleus Assay: An Overview". ISBN 978-1-53616-679-8, Nova Science Publishers Inc., New York, USA.
4. Purvi Zaveri, Rushika Patel and Nasreen S. Munshi (2020). Trickling of itinerant nanoparticles in wastewater effluents. In: Gothandam K., Ranjan S., Dasgupta N., Lichtfouse E. (eds) *Environmental Biotechnology Vol. 1. Environmental Chemistry for a Sustainable World*, Vol 44. Springer Cham, Springer Nature Switzerland AG. Pp: 1-21 (https://doi.org/10.1007/978-3-030-38192-9_1), Print ISBN: 978-3-030-38191-2, Online ISBN: 978-3-030-38192-9. (Accepted for publication: 3rd July, 2019).

Citation Index of faculty member and Impact factor

	Faculty Name	Citation	H Index
1	Prof Sarat K Dalai	801	13
2	Prof Shalini Rajkumar	936	16
3	Dr Sonal Bakshi	332	11
4	Dr Sriram Seshadri	1343	21
5	Dr Vijay Kothari	931	15
6	Dr Nasreen Munshi	40	2
7	Dr Amee K Nair	287	8
8.	Dr Dablulal Gupta	78	3
9.	Dr Kuldeep Verma	68	5

On-going research collaboration

- ✓ **Dr Nasreen S Munshi**, Institute of Science, Nirma University (PI) and **Dr. Manisha Shah**, Electrical Engineering Department, Institute of Technology, Nirma University (CoI) are currently collaborating to carry out the Nirma University funded Major Research Project on “Microbial Fuel Cell: An Approach for Wastewater Treatment with Generation of Green Electricity”. Sanction No. NU/Ph.D./Major Res Pro/IS-IT/18-I9/01 dated April 2, 2018.
- ✓ **Dr Nasreen S Munshi** received Rs. 22.228 Lakhs from **GSBTM Funded Collaborative Project** on “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” Total Project Costing Rs. 48.97 Lakhs involving five Institute from Gujarat. Participating Labs: (i) Institute of Science, Nirma University, Ahmedabad; (ii) Electrical Engineering Department, Institute of Technology, Nirma University; (iii) HVHP Institute of Post Graduate Studies and Research, Kadi University; (iv) Electronics and Communication Department, Institute of Technology, Nirma University; (v) Department of Biosciences, Veer Narmad South Gujarat University, Surat. Sanction No.: GSBTM/ JDR&D/ 604/2019/305 dated March 19, 2019. Duration: Three years.
- ✓ **Dr Sonal Bakshi** (CoI), Assistant Professor, Institute of Science, Nirma University is working jointly with **Prof Priti Mehta**, Institute of Pharmacy, Nirma University on the major project title ‘Development of neoadjuvant from medicinally important bamboo plants for radiotherapy in cancer’ sponsored by Ministry of AYUSH, Govt. of India.
- ✓ **Dr Ameer Nair**, Assistant Professor, Institute of Science, Nirma University is jointly working with Dr Kiran K Shah, Consultant Physician and Cardiologist, K K Memorial Hospital, Asarwa on Epidemiology of diabetes.
- ✓ **Dr Sriram Seshadri** (Co-PI), Assistant Professor, Institute of Science, Nirma University is jointly working with **Dr Parimal Mishra** (PI), Dr Reddy’s Lab, Hyderabad and **Dr Kishor Parasa** to carry out the DST- SERB project "Investigation of the regulatory role of miR-712 in inflammation induced skeletal muscle insulin resistance."
- ✓ **Dr Sriram Seshadri**, Assistant Professor, Institute of Science-Nirma University has collaboration with Dr Sonal Thakor, MS University for drug toxicity assays of nanoformulated cancer drug.

New Collaboration

- 1) **Prof Sarat Dalai**, Institute of Science is collaborating with **Dr Amit Awasthi**, THSTI, Faridabad in the area of Tumor Immunology Research since March 2020.

Internal Resources Generated (Consultancy, MDP for industries, any other)

New

Dr Dablu Lal Gupta, Assistant Professor received the grants of Rs.60,000/- from GSBTM, Gandhinagar and Rs.30,000/- from Indian Immunology society, India for organising a three days’ workshop on “Flow cytometry in Research and Health Care” (3-5 March 2020).

Extension Activities/ Community Services by Institute

The activities are planned to inculcate empathy and spirit of being socially responsible by contributing as an individual and as a person belonging to life science. The quality of extension activities carried out by the MSc students are inspiring, satisfying and appreciated by the stakeholders.

- ✓ The students visit and interact with, know their needs and try to help the sections of the society that visually impaired, mentally retarded, older people in institution, etc. They volunteer to collect useful items and donate to these institutions, and spread the word for others to contribute. ISNU students work with the Blind People's Association, Vastrapur, Ahmedabad; The BM Institute of Mental Health, Ahmedabad, The Hirmamani Jivan Sandhya old age home, Ahmedabad, etc.
- ✓ They work with VolunTeacher NGO chapter of Nirma University and visit rural area to help in teaching young students of the village for the awareness towards hygiene, health, and science education.
- ✓ They work for an NGO, Voice of Specially Abled People [VOSAP] that is working towards Accessible India norm of Govt. of India and is recognised by the UN. Students are involved by contributing to assessing the accessibility of places, buildings in and around the city.
- ✓ They prepare science models for the use of community science centres, and rural education.

Apart from the activities arranged by the institute coordinator, many students are already working with other NGOs as per their residential location and earlier affiliation through family and friends.

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

Prof Sarat Dalai, Institute of Science is collaborating with **Dr Amit Awasthi**, THSTI, Faridabad in the area of Tumor Immunology Research since March 2020

Linkages with National/ International Academic/ Research Bodies

The faculty members are having linkages with

- ✓ THSTI, Faridabad
- ✓ Jawaharlal Nehru University (JNU) New Delhi
- ✓ All India Institute of Medical Sciences, New Delhi
- ✓ National Institute of Immunology (NII) New Delhi
- ✓ Indian Institute of Science (IISC) Bangalore
- ✓ SGPGI Lucknow
- ✓ Maharaja Sayajirao University (MSU) Baroda
- ✓ University of Kolkata, Kolkata

- ✓ Indian Institute of Advanced Research (IIAR), Gandhinagar
- ✓ Gujarat State Biotechnology Mission (GSBTM), Gandhinagar
- ✓ Forensic Science Laboratory (FSL) Gandhinagar
- ✓ Gujarat Cancer Research Institute (GCRI), Ahmedabad
- ✓ Xcelris Genomic Lab, Ahmedabad
- ✓ Department of Nanoscience, Central University of Gujarat
- ✓ Supratech Genopath laboratory, Ahmedabad
- ✓ AGILE lab, New Delhi
- ✓ GPS bio, Hyderabad
- ✓ Unipath Laboratory, Ahmedabad

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

IV. Infrastructure and Learning Resources

Computer facilities added

Ms Zankruti Hathi, the Research Associate appointed at the The GSBTM, DST sponsored Bioinformatics laboratory at Institute of Science has actively conducted the practical related to bioinformatics for the Semester-II students in M.Sc. Biochemistry, Biotechnology and Microbiology. She attended the training for NGS data analysis for 2 days conducted by Edgene Biomed in June 2019. She conducted training for docking tools where a total of 60 MSc Semester-IV students participated. The training on RNA sequence data analysis was also conducted for PhD students. The lab has been extensively used for M.Sc. Semester IV dissertation projects which involve certain bioinformatics tools like 3D structure prediction, primer designing, data mining and metagenomics data analysis. Bioinformatics facility is also being used by PhD students to perform several in-silico studies. She also actively mentors M.Sc. dissertation students to complete their bioinformatics related studies.

Library – Learning Resources added

	Resources	Number
1	Books (Volumes)	2,551
2	Books (Titles)	2,226
3	Print Periodicals	6
4	E-journals	9
5	Newspapers	6
6	Electronic Media (CD-ROMs)	104
7	Photo Albums	28
8	Project Reports	360
9	Bound Volumes	408

Laboratory facilities – Major additions

1. During 2019-20 various instruments were added to laboratories from the Instrumentation budget. Major one is MiliQ water system worth Rs. 3,04,500.00 and U.V. visible spectrophotometer Rs. 474999.00.
2. The COD-BOD analyzer worth Rs. 4,98,960.00 and RT-PCR pricing Rs. 11,65,000.00 procured under Nirma university Research grant received by Dr Nasreen Munshi.

3. Respirometer [Rs. 6,49,950.00] and ELISA plate reader [Rs. 3,90,000.00] was also procured by Dr Nasreen Munshi from GSBTM sponsored project.
4. Microbiological Shaker worth Rs. 4,26,000.00 procured by Dr Nasreen Munshi from DBT sponsored Project.

V. Students Support and Progression

Admission details with cut-off percentage marks – category wise

Name of the programme	No. of applicants	Cut off (As per NU Entrance)		No. of students admitted
		First	Last	
MSc in Biotechnology	240	05	147	40
MSc in Biochemistry		10	222	24
MSc in Microbiology		02	119	28

Student Achievements

1. **Dr Purvi Zaveri**, an alumnus of Institute of Science was awarded and felicitated at India International Science Festival held during November 5-8, 2019 at Kolkata. She received recognition for her efforts in developing innovative teaching-learning material for Microbiology learning. She received the award in the category of Women Entrepreneur & Scientist for her creative construction of 3D printed *Aspergillus niger* model, circuit-based kingdom classification and innovative wastewater solutions as a product of her venture called “Microcity”. The Chief Guest of the event Ms Roopa Ganguly, MP, Rajya Sabha, felicitated her.
2. **Madhavi Joshi**, PhD student of Dr Ameer Nair has been awarded DST-SERB Senior Research Fellowship for the project “Role of Synaptogenic Adhesion Molecules (SAMs) in Insulin Secretion: Effect of Diabetes and Hypoglycemia.”
3. **Dhriti Shah**, PhD student working with Dr Ameer Nair has been awarded with Junior Research Fellowship by the ICMR for her project “Effect of hyperglycemia mediated functional regulation of docking and priming protein involved in insulin exocytosis.”
4. **Naisargee Jani**, PhD student working with Prof Sarat Dalai has been awarded with Senior Research Fellowship by the ICMR for her project “Elastic Liposomes mediated delivery of the combination of swertiamarin and artemisinin as a novel anti-malarial approach.”
5. **Sunny Kumar**, PhD student working with Prof Sarat Dalai has been awarded with Senior Research Fellowship by the ICMR for her project “Chitosan, aminoglucofuran as a gut microbiota modulator and its synergistic effect on miRNA in diet induced type II diabetes.”
6. **Priya Patel**, a PhD student working under the guidance of Dr Nasreen S Munshi won Third Prize for Poster Presentation on “Development of bioprocess for sustainable management of plastic waste and oily sludge” in the National Conference on “Plastics in the Environment: Current Status And Rethinking The Future Of Plastics” held at Gujarat Institute of Desert Ecology, Kachchh, Gujarat on March 7, 2020.
7. Seven students of 2018-2020 batch of MSc, currently studying in Semester IV have cleared **GATE exam** in Life Sciences/Biotechnology.

8. Four students of 2018-2020 batch of MSc, **Hrimkar Buch, Ishani Morbia, Kavya Pandya** and **Shashwat Goswami** have cleared state level **GSET**.
9. Priyamvada Rathaur and Shashwat Goswami of MSc Semester IV (2018-2020) have cleared the national level Joint CSIR-UGC NET exam.
10. **Shashwat Goswami** of MSc Biochemistry Semester IV (2018-2020) cleared **JGEEBILS exam of TIFR-NCBS**.
11. ISNU students won **Second Prize** for the Best play titled 'Kal Aaj Aur Kal' in the One Act Play Competition organised by SWBNU on February 4, 2020 at NIM auditorium as a part of Republic Day Celebration.

Value added courses

A course on "Introduction to Professional Ethics, Rights & Duties" is offered in Semester- II which is compulsory for all the students.

Co-curricular activities organized

1. IS & IP Library arranged screening of TED Talk on the topic of "How to Motivate People to Do Good for Others" by Erez Yoeli on 20th April, 2019 at 4.10pm.
2. Svetal Shukla, ISNU Library delivered an orientation lecture on Information Sources and Services for Sem I students on 3rd July, 2019 from 3 to 4pm.
3. IS Library arranged the Topical book display on "Food, Nutrition and Health" on 16th August, 2019.
4. IS & IP Library jointly celebrated Librarian's Day on 13th August, 2019 and as a part of celebration various activities planned like on the spot Quiz, TED talk screening, inauguration of Research and Competitive exam corner of Pharmacy Library.
5. IS & IP Library arranged screening of TED Talk on the topic of "This country isn't just carbon neutral — it's carbon negative by Tshering Tobgay on 21st August, 2019 at 12.20pm.
6. IS & IP Library jointly arranged "Ebsco - ebooks demonstration lecture" on 28th August at 1.00pm Pharmacy Seminar hall.
7. IS & IP Library jointly arranged a book exhibition on 18th November at PG Foyer of Institute of Pharmacy.
8. ISNU Library celebrated National Library Week 14th to 20th November, 2019 by displaying of Reference books during all days.
9. ISNU Library arranged screening of TED Talk on the topic of "electrical experiments with plants that count and communicate" by Greg Gage on 18 January, 2020 at 11.30am.
10. ISNU Library arranged screening of TED Talk on the topic of "How Simple ideas lead to scientific discoveries" By Adam Savage on 1st February, 2020 at 11.30am.
11. ISNU Library arranged screening of TED Talk on the topic of "The Happy Secret to better work" By Shawn Achor & People of Science with Brian Cox on 15th February, 2020 at 11.30am.
12. ISNU Library, celebrated "National Science Day" on 28th February, 2020 and organized Skit on the theme of "Act your Biological process".
13. ISNU Library arranged screening of TED Talk on the topic of "Let's prepare for our new Climate" by Vicki Arroyo on 5th March, 2020 at 3.30pm.

Student Clubs in the Institute

Sports Activities

Institute of Science organised the institute level various athletic and team game events during September 25-27, 2019. Institute of Science also hosted the inter institute Badminton and Chess tournament in university annual sports meet 2019-20 during February 12-19, 2020.

Youth Welfare and Cultural activities

1. Talent Evening-2019

As a part of the orientation programme of the newly inducted MSc Semester I students, talent hunt programme was conducted on July 5, 2019. Students actively participated in drawing & cartooning, singing, dancing events. Krisha Ghetia, Divya Telwani, Avni Rathod and Devanshi Gandhi participated in the singing events. Bhavya Nanavati and Superna Nair performed Bharatyam while Aneri Joshi performed Kathak dance. Falak Pandit, Karina Motlani, Vadini Srivastava and Saloni Rawal performed contemporary dance.

2. Deshraag 2019 - Patriotic Song Competition

Nine students from ISNU participated in University level Patriotic song competition- held as a part of pre-Independence Day Celebration on August 9, 2019.

3. RAMZAT 2019

This year Institute of Science along with SWBNU hosted The Annual Ras-Garba programme- 'RAMZAT' on 19th October, 2019. Dr Amee Nair was the overall University coordinator. Dr Nasreen Munshi along with one non-teaching staff, Mr Rajendra Patel and 5 students as volunteers helped to coordinate the events. Institute of Science carried out the arrangement for refreshment. A total of 67 (13 boys, 54 girls) students from ISNU participated in RAMZAT. Anand Salvi (Semester III, MSc Biochemistry) won 2nd Prize for Best Costume- Boys category.

4. Photography & Short Film Competition 2019-20

The University level photography contest was held on January 10, 2020. 4 students participated in the event. Ms Aneri Joshi (Semester-II, MSc Biotechnology) won the **third prize** for the Best photograph. The photographs of the winners and other selected photographs were displayed at K block on January 26, 2020.

5. Renaissance 2019-20

Institute of Science organised the Annual Cultural programme Renaissance 2019-20 from January 20-21, 2020 at Nirma University under the auspices of Board for Student's Welfare, Nirma University. This year there was enthusiastic participation from students (Total-80 including 67 girls and 13 boys). It included various events of fine arts, theater, literary, singing and dance events. Mime, Skit, Debate, Elocution, On the Spot Painting, Object drawing, Cartooning, Rangoli, Solo Dance, Group Dance, Solo song, Group Song, etc were held. The Fine Arts events were conducted during January 5-11, 2020. The Valedictory & Prize distribution function was conducted on January 21, 2020.

6. One Act Play 2019-20

Institute of Science hosted the Inter-Institute One Act Play 2019-20 on February 4, 2020. Dr Vikram Panchal & Shaunak Vyas were the judges. Prof Sarat Dalai delivered the welcome speech. A total of 7 teams from ITNU (2 teams), ICNU, IAPNU, IMNU, IPNU and ISNU participated and performed the play based on the theme 'Climate Connection'. IPNU won the first prize for the best play, Best Actor (male & female), Best support Actor in supporting role (male & female), Best Director & Best Production Award. Institute of Science won the second prize for the play 'Kal Aaj Aur Kal'.

7. Nuzeal -Inter-Institute Cultural Festival 2019-20

The Inter-Institute Cultural festival NUZEAL 2019-20 was held during February 5-7, 2020. A total of 39 students from ISNU participated in Face painting, Solo Dance, Group Dance, Folk Dance, Classical Dance, Solo song, Duet Song, Group Song and personality Contest. Boman Doctor (Semester IV MSc BC) won the **consolation prize** in the Face Painting competition.

No. of students who have passed the following examinations (exam as applicable to respective institutes like: NET, SLET, CAT, TOEFL, GRE, G-MAT, IELTS, GATE, GPAT, ICMR)

No. of students from ISNU who qualified national level competitive exams are

- ✓ CSIR-NET : 02
- ✓ GSET 2020: 4
- ✓ GATE : 07
- ✓ JGEEBILS of TIFR-NCBS: 01

Alumni Association – Activities Supporting Students

Institute of Science conducted its 10th Annual Alumni Meet on February 29, 2020. Around 30 alumni members attended the meeting. Director, Prof Dalai followed by all faculty members addressed the students with a welcome note and updated them regarding the progress of the Institute. Alumni members shared their experience of their current workplace and expressed satisfaction regarding training received during their Masters studies at ISNU. Current students presented a cultural programme. The gathering had lunch together and were given a memento. The General Body Meeting was conducted to discuss the scope of strengthening the alumni activities. The meeting ended with a vote of thanks by the coordinator Dr Sonal Bakshi followed by a photography session at the Institute.

Meetings regarding AlmaConnect were attended and activities on the portal have been strengthened. The ISNU alumni database has been streamlined and is being updated and shared with the University coordinator for Alumni and AlmaConnect. This has increased the interactions with the alumni.

Activities of Guidance & Counselling Unit

The guidance and counselling unit of the institute works throughout the year right from the first day the student joins the Institute. One of the main activities has been the identification of weak students both academically and communication wise. These students are given special attention

by providing them with the baseline information, and handout so as to enable them to have their basic concepts strengthened. Remedial Classes were conducted and unit wise evaluation was done to improve their writing and presentation skills. With respect to enhancing the communication skills the students were given the assignment of reproducing the content of any non-academic article in their own words and the same was evaluated by the respective counseling faculty. The students after 3-4 sessions started showing good results.

Placement Details 2019-20

In the last academic year, **16 students** have been **placed** in various reputed organisations as on March, 2020.

- Total 8 hours of training sessions were conducted for placement training and grooming. Sessions were conducted on topics like CV writing, Group Discussion, Presentation skills, Professional SWOT analysis.
- Online Mock Placement Aptitude Test conducted for all final year students.
- 4 Career guidance session for students of MSc was held on February 15, 2020. The session was conducted by Mr Nishodh Saxena, MD of Prowess Pharma Knowledge Centre, Ahmedabad.
- On February 18, 2020 the experts from R H Patel education college, Kadi University, Gandhinagar, Dr Kusum Yadav and Dr Smita Gadhvi visited ISNU, and conducted a session with respect to opportunities for MSc students with a focus on career in the teaching field and what it takes to get entry in the teaching profession.
- Campus placement interviews and process was carried out by various companies like Zydus Research, Veeda Clinical, Mecca healthcare, Aakash Institute, Chegg India, Sundyota Numandis, Sun Pharma, O2H research. Placement of 16 students was done till March 31, 2020. Few companies had kept recruitment on hold because of Corona pandemic, which is expected to resume once situation goes back to normalcy.

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Short summary and highlights of Outstanding Achievements and important activities:

Award and Rankings

RANKINGS

- Ranked 6th in Best Law College among the private law colleges in India, The Week, [June-2019]
- Ranked 18th best law colleges in India, The Week [June 2019]
- Ranked 7th in the Top Law Colleges in India, Outlook (June 2019)
- Ranked Fourth in Best Private Law College among the western zone in India, The Week [June-2019]
- Ranked 8th best private Law college by India Today [July 2019]
- Ranked fourth in India's Best Private Law Schools by Career 360, January 2020.

Conference/Seminar/Conclave/Workshop

Conclave on the future of Justice Education in South Asia

Institute of Law, Nirma University in collaboration with the Global Alliance of Justice Education (GAJE), organised a two day regional conclave on the future of Justice Education in South Asia from November 8 & 9, 2019. The programme was attended by academicians from various universities in the South Asian countries like Bangladesh, Nepal, Maldives. This conclave emphasis on the lack of an adequate collaborative platform and the paucity of the high quality research at the Indian and the south Asian regional levels for educators and practitioners involved in justice education and the promotion of Human Rights.

Academia Conclave

To commemorate Nani Palkiwala Centenary Celebrations, the institute organised a two day academia conclave from November 16-17, 2019 on the theme "Towards a new area of academia-legal industry collaboration". It was organised with an aim to blur the boundaries between the disciplines that we study and to encourage an amalgamation of different ideas and perspective that cut across discipline. The conclave was divided into two phases- Business & Commercial Law Conclave and Constitutional & Human Rights Conclave. The chief guest for the conclave Mr Sunil Arora, the Chief Election Commissioner of India gave the inaugural address on the theme - One nation, One Election in India. He took this conclave as an opportunity to announce that the institute IIDM is establishing an interdisciplinary course.

The day one of the event also witnessed Mr Manas Kumar Chauhan, partner at Khaitan and Co. New Delhi who spoke on the theme "Analysis of 10 years of the Anti-trust Jurisprudence in India". Mr Alipak Banerjee, Leader, International Dispute resolution at Nishith Desai Associates, New Delhi spoke on the theme cross-border transactions and business activities, Mr Arun Kumar, Partner at Indus Law, New Delhi spoke on the topic "Infrastructure sector and the interconnection of various laws and practice in the sector", Ms Richa Roy, Partner at Cyril Amarchand Mangaldas spoke on the topic "Evolution of insolvency and bankruptcy code".

The chief guest of the second day was Hon'ble Justice M R Shah, Judge, Supreme Court of India who addressed the audience on "Judicial Delay, Justice Recusal". The guest speakers were Mr Sanjay Hegde, Senior Advocate, Supreme Court of India who spoke on "Legal Framework of

National Register of Citizens (NRC) and Issues regarding Illegal Migrants: Leaning towards Political Rhetoric or Constitutional Morality?”, Mr J. Sai Deepak, Arguing Counsel, Delhi High Court and Supreme Court who addressed the audience on “The New Article 370 of the Constitution: A Critical Perspective” and Ms Avani Bansal Advocate, Supreme Court Of India on the topic “Can the Constitution fail us ?”

Seminar on Constitutional Morality

A Seminar on Constitutional Morality: New Wine in Old Bottle was organised at the Institute on December 20, 2019. Professor Upendra Baxi, Emeritus Professor of Law, University of Warwick and New Delhi was the keynote speaker of the seminar.

At the outset, Prof Baxi discussed about the distinction between Constitutional morality, Post constitutional morality and Public morality. He focused on meaning of Constitutional Morality, Public morality against Constitutional Morality and various Objections to Constitutional Morality. Prof Baxi quoted Dr B R Ambedkar and stressed on the need to make people believe in the values enshrined in the Preamble of the Constitution. He urged for using Constitutional morality as a yardstick for judging social and political developments.

International Seminar on Global Law Learning

The International Seminar on Global Law Learning on February 11, 2020 witnessed various foreign academic luminaries including Prof Stephen Barnes, Assistant Dean for Graduate and International Law, Penn State Law, USA; Prof Letlhokwa Mpedi, Executive Dean, Faculty of Law, University of Johannesburg, South Africa; Judge Mel Flanagan, Former Circuit Judge & Adjunct Professor, University of Wisconsin, USA; Prof Adam Dubin, Professor Faculty of Law, Comillas Pontifical University, Faculty of Law, Comillas Pontifical University Madrid, Spain; and Dr Venkat Iyer, Professor and Head School of Law, Ulster University, United Kingdom. Dr S Shanthakumar, Director, Gujarat National Law University, Gandhinagar also graced the seminar. The esteemed guests highlighted the significance of Global Law learning and stressed on the need for collaboration among universities at the International level.

International Seminar on Legal Education: International Perspective

The Institute organised a seminar on “Legal Education: International Perspective” on February 19, 2020 wherein various foreign legal dignitaries shared about the education system prevalent in their countries. The seminar was graced by Prof Luis G Franceschi, Senior Director, Governance and Peace, Commonwealth Secretariat, London; Dr Stephen Thomas Hardy, Professor of Law & Dean, Coventry University Law School, United Kingdom; Dr Peter Schaefer, Professor, HoF University, Germany; Prof Dietmar Boerner, Professor and Head, Business and Law Department, HoF University, Germany; Dr John Winterdyk, Professor of Criminology, Mount Royal University, Vancouver, Canada; and Dr Ricky Lee, Professor of Law, The University of Notre Dame, Sydney, Australia.

Seminar on Sports Law

A one day seminar on "Anti-Doping Regulations, Sports Litigation & Antitrust Laws in Sport" was organised on November 16, 2019. The event was graced by Mr Parth Goswami, partner at Phalpher & Goswami Lawyers and Solicitors, New Delhi and Prof Praveen Tripathi, Asst Prof of Law, Bennett University, New Delhi. Mr Parth Goswami delivered his lecture on Sports and Anti-Doping Rules in India. Mr Praveen Tripathi discussed about sports and anti-trust laws. During his session he looked at the differential treatment on the basis of principal of proportionality and whether the federation is an enterprise having an abuse of power over player effecting the end consumer.

Seminar on Career Counselling

An Open House Seminar on Career Counselling was organised May 19, 2019 at the Institute. Forty admission aspirants and parents took part in this event. The purpose of this seminar was to spread

awareness about the importance of Legal Education and the Five Year Integrated BA, LLB (Hons.) Programme and BCom, LLB (Hons.) Programme.

Activities under Research Centres

Conference on International Humanitarian and Refugee Laws

Centre for International Humanitarian Law and Human Rights, Institute of Law, Nirma University, Ahmedabad organised the Eighth edition of its annual flagship event –National Students Conference on “International Humanitarian and Refugee Laws” in association with International Committee on Red Cross (ICRC) and United Nations High Commissioner for Refugees (UNHCR) on November 13, 2019.

The main idea of the conference was to address the contemporary issues and challenges faced by the scholars, academicians and practitioners in the field of International Humanitarian and Refugee Laws. The Conference also celebrated 70 years of Geneva Conventions with a discussion that reflects on the success and challenges encountered by these treaties that have been universally ratified.

The Chief Guest for the same was Dr Manoj Sinha, Director Indian Law Institute, New Delhi. The conference was attended by eminent dignitaries such as Captain J S Gill, Former Senior Officer, Directorate General of Shipping, Master Mariner, New Delhi; Dr Anuradha Saibaba, Head - IHL Department, International Committee of the Red Cross, New Delhi; and Ms Ragini Trakroo Zutshi, Head, UNHRC

Seminar on Agrarian Reforms

Centre for Social Justice, Institute of Law, Nirma University organised a seminar on 'Agrarian Reforms' on October 10, 2019. Mr Titus James, currently anchoring a programme named as Revitalising Rainfed Agricultural Network (RRAN) discussed failures of agriculture related government policies and schemes. Mr Praveen Muchhadiya, who works with Sahjeevan Capacity Building Partner, spoke on draught proofing, livestock and biodiversity He also discussed the role of his organisation in getting camel milk registered in the list of edible item under FSSAI and the importance of connecting these pastoral community to market through entities like Amul. Mr Aditya Gujarati who works with the Centre for Social Justice, Ahmedabad discussed about the legislation related to biological diversity conservation including Biodiversity Act and CAFA. Miss Catheline Kaur from the Centre for Pastoralism discussed about problem faced by pastoral communities. The session included various aspects of agrarian lives inclusive of nomadic communities and women farmers.

Seminar on Contemporary Legal Issues of Energy Accessibility, Affordability, Sustainability and Security

The Centre for Energy Law, Policy and Strategy conducted a seminar on “Contemporary Legal Issues of Energy Accessibility, Affordability, Sustainability and Security” on February 4, 2020. The event was presided by Dr Anup K Singh, Director General, Nirma University. The chief guest of the event was Ms Sunaina Tomar, IAS, and Principal Secretary to Government of Gujarat, Energy and Petrochemical Department. Dr S Gangotra, Mr Anil Kumar and Mr Raj Singh Niranjana joined the seminar as speakers.

Seminar on Intellectual Property Regime

The Centre for Intellectual Property Rights of Institute of Law, Nirma University conducted a seminar on February 28, 2020 on the theme ‘Contemporary issues under International Intellectual Property Regime’. The speakers of the session were Dr V K Ahuja, Faculty of Law, University of

Delhi, Dr Rajeshkumar Acharya, H K Acharya & Company Advocates, Ahmedabad and Ms Aakanksha Kumar, Assistant Professor, Nalsar, Hyderabad. The sessions involved discussion on topics including, Importance of Branding for Patents, Exhaustion and Parallel Imports of Trademark Goods in the Indian Market, and Public Health and Patent Law under TRIPS.

Workshops

Workshop on Research Methodology

Centre for Post Graduate Legal Studies (CGPLS), Institute of Law, Nirma University conducted a Research Methodology workshop on May 9 & 10, 2019. Dr G S Bajpai, Registrar, National Law University, New Delhi and Dr Deeksha Bajpai Tewari conducted the workshop on topics including, Steps of Research Literature Search, Research Questions, hypothesis, and objectives, How to do empirical research studies, Techniques of Data Collection, Choosing Statistical test for analysis of data, and How to test hypothesis reference citation.

Workshop on Technology Friday's

The Centre for Artificial Intelligence and Law (CAIL) inaugurated a series of workshop on Technology Friday's. The first workshop of its kind was conducted on August 9, 2019 on Inherent Biases in AI by Ms Usha Ramanathan, Researcher and Sr Advocate, Supreme Court of India, New Delhi; and Mr Jaideep Reddy, Nishith Desai Associates.

The second workshop on Technology Friday's was conducted on August 22, 2019 on the topic Conceptualising Ethical Artificial Intelligence in India- Concepts of Ownership, Agency, Liability, AI and Related Legal Issues by Mr Abhayraj Naik, Advisor, Consultant & Researcher, Bengaluru.

The third workshop on Technology Friday's was conducted on August 22, 2019 on the topic growing impact – Data Privacy Issues in AL by Mr Arun Prabhu, Partner, Cyril Amarchand Mangaldas.

The Fourth session of Technology Friday was conducted on August 30, 2019 on the issues covering Intellectual property with the emergence of Artificial Intelligence by Mr Zameer Nathani.

Workshop on Valuation, Accounting and Taxation Aspects of Mergers

Centre for Corporate Law Studies, Institute of Law, Nirma University organised a three day workshop from September 26th – September 28th, 2019 on Valuation, Accounting and Taxation aspects of Mergers. The main purpose of this workshop was to help students to make them understand the important aspects of Mergers and Acquisitions. The inaugural session of the workshop was conducted by Mr Chinmay Naik, Associate Director, K C Mehta & Co. He discussed the differentiation between Significant Minority, Majority and Full Acquisition. The sessions on the second day were taken by Mr Suril Mehta, Associate Director, and Ms Pooja Sisodia, Legal Consultant, K C Mehta & Co. Some of the takeaways were Discounted Cash Flow (DCF) method and the detailed understanding of Earnings before Interest, Tax, Depreciation and Amortization (EBITDA). The third day was divided into two sessions. The first one was taken up by Mr Kinjesh Thakkar, Direct Tax Head, Linde Engineering India. The second one was taken up by Mr Harsh Gada, Partner, Unicorn Group and Ajmera & Associates.

Workshop on Revival of Indian Rivers, Reviving a Lost Culture

The Centre for Environmental Law in collaboration with ILNU Unit of National Service Scheme of Institute of Law organised a workshop on the topic “Revival of Indian Rivers – Reviving a Lost Culture” on October 20, 2019. The keynote speaker for the event was Mr Rajendra Singh, who is a Magsaysay Awardee and winner of Stockholm Water Prize – 2015, is an Indian Water Conservationist and Environmentalist. He is also known as 'Waterman of India'. He is working immensely for the revival and rejuvenating of the water bodies for the last three and a half decades. Mr Rajendra Singh presented a need to establish a connection between indigenous knowledge and

practices and the present legal regime and governmental practices in order to avoid drought and flood like situations in India.

Inauguration of Research Centre of Competition Law and Market Study

Institute of Law inaugurated its research centre for Competition Law and Market Study on October 13, 2019. The Centre for Competition Law and Market study has collaborated with CUTS Institute for Regulation and Competition (CIRC), to develop robust research and study of developments in Competition law. The centre envisages the conduct of professional training courses on Competition law, developing critical review of Orders/Judgements passed by Competition authorities, globally and analyse the market trends and economics shaping the dynamics of anti-trust jurisprudence. A panel discussion was also held on the theme - Big Data and Abuse of Dominance followed by the opening of the centre. The discussion witnessed the presence of Mr Bharat Budholia, former Partner of CAM, Mr Saurabh Mishra, Dy Director, CCI and Ms Khyati Dhuparr, Managing Partner, Dhuparr Associates.

Lecture Series on International Taxation

The Centre for Corporate Law Studies in collaboration with Centre for Continuous Education organised a two day lecture series titled: “Capacity Building Programme on International Taxation” from March 7-8, 2020. The course was conducted with an objective to provide knowledge about the basic concepts of international taxation, covering income tax, recent debates in global tax policy and Finance Bill 2020. The speakers were Mr Dhaval Trivedi, Director, International Taxation, K C Mehta & Co. Ahmedabad ; Mr Kinjesh Thakkar, Head of Direct Tax & Transfer Pricing, Linde Engineering India; and, Dr Anjani Singh Tomar, Associate Professor of Law, Gujarat National Law University, Gandhinagar.

Lecture on Research Proposal

Dr Madhuri Parikh, Associate Professor, Institute of Law, Nirma University delivered a talk on "How to prepare research proposal" for the faculties of Institute of Law, Nirma University on September 21, 2019.

Other Activities

Internationalisation @ ILNU

As part of Internationalisation at ILNU, the following faculty members visited the Institute during the month of August 2019 to November 2019 and made their academic contribution for the academic growth of the students.

Expert	Topic	Date
Prof Norma Martin Clement Pro-Dean, International for Faculty of Education, Social Sciences and Law (ESSL), University of Leeds	Missing in action, presumed dead: the presumption of Death Act 2013 & The Ties that Bind: Divorce Reform in the 21 st Century	August 09, 2019
Prof John Winterdyk Professor of Criminology, Department of Economics, Justice and Policy Studies, Mount Royal University, Canada	Criminology and Comparative Research Methodology, Human Trafficking & Reform in Correctional Institutions	August 21-23, 2019
Dr Stephen G Barnes Assistant Dean for Graduate and International Programme, Penn State Law, USA	Higher Studies in Abroad	September 09, 2019
	US Constitutional Law	September 10, 2019

Prof Rachel Jeanne Herder Clinical Professor, Clinical Law, Penn State Law, USA	Comparative Patent Law	September 09, 2019
	Interactive session on IPR	September 10, 2019
Prof Fabricio Fortese Department of Law, Stockholm University, Sweden	International Commercial Arbitration	October 4- 20, 2019
Dr Nelson Dordelly Rosales Head-International and European Law Department, Vesalius College, Brussels, Belgium	Human Rights and International Humanitarian Law	October 4- 20, 2019
Dr Muhammad Ekramul Haque, Professor, Department of Law University of Dhaka	Comparative Study of Bangladesh	November 09, 2019

Celebration of International Teaching Month

The Institute of Law celebrated February 2020 as International Teaching month. The programme was spread over two weeks, from February 10-22, 2020. It witnessed collaboration of professors and thinkers from universities and institutes across the world. It gave students an opportunity to interact and learn from luminaries who are best in their field.

Speakers:

Expert	Topic	Date
Prof Adam Dubin, Faculty of Law, University Madrid, Spain	Human Rights	February 10-14, 2020
Prof Letlhokwa Mpedi, Executive Dean, Faculty of Law, University of Johannesburg, South Africa	Administrative Law	February 10-14, 2020
Prof Stephan Barnes, Assistant Dean for Graduate and International Programs, Penn State Law, USA	US Legal System	February 10-12, 2020
Dr Venkat Iyer , Professor and Head, Ulster University, United Kingdom	International Law	February 10-13, 2020
Ms Mel Flanagan, Former Circuite Judge & Adjunct Professor University of Wisconsin, Sarajevo, USA	US Legal System	February 10-21, 2020
Dr Stephan Hardy, Professor of Law & Dean, Coventry University Law School, United Kingdom	Comparative Criminal Procedure	February 17-21, 2020
Prof Dietmar Boerner, HoF University, Germany	Comparative Labour Law	February 17-21, 2020
Dr Peter Schaefer, Hof University, Germany	European Legal System	February 17-21, 2020
Dr Ricky Lee, Professor of Law, University of Notre Dame, Sydney, Australia	Space law	February 17-21, 2020
Prof Luis G Franceschi, Senior Director of Governance and Peace, Commonwealth Secretariat, London	Comparative Constitution	February 18-21, 2020
Dr John Winterdyk, Professor of Criminology, Mount Royal University, Vancouver, Canada	Criminology & Comparative Research Methodology	February 18-21, 2020
Mr Yili Dautraj, Head of Law, DER Juridik, Stockholm	International Commercial Arbitration	February 18-22, 2020

Workshop on Drama and Justice Education

A one-day workshop on Drama and Justice Education was organised on April 16, 2019 for Semester II, as part of the Blended Learning of English II Literature by Dr Shweta Garg, Associate Professor at Dhirubhai Ambani Institute of Information and Communication Technology (DAIICT), Gandhinagar. The main objective of this workshop was to assist the students to develop a deeper understanding of the evolution of the concept of law through ages and countries via the kaleidoscope of literature.

Workshop on Self-defence techniques

A workshop on self-defence techniques instructed by Judge Mel Flanagan on February 20, 2020 was conducted.

Workshop on Police Law and Administration

A one day workshop on Police Law and Administration was conducted by the Centre of Post Graduate Legal studies on February 25, 2020 by Dr Akshat Mehta, Associate Professor in Raksha Shakti University, Department of Police Administration, Ahmedabad, Gujarat.

Workshop on Strategic Plan

As part of IQAC initiatives, the Institute conducted a strategic plan workshop on October 23, 2019. All the faculty members at the ILNU attended the programme. Faculty presented power point presentations group-wise on the Strategic Planning.

Workshop on Gender Justice

The Women Development Cell (WDC) at the Institute organised a workshop on Gender Justice on November 19, 2019 by Justice Roshan S Dalvi, Former Judge, High Court of Judicature.

9th ILNU National Moot Court Competition

The Institute of Law organised its 9th edition of National Moot Court Competition, 2019 in association with Competition Commission of India from October 11 to 13, 2019. The competition saw the fierce battle of 24 teams from law colleges across India. On October 13, 2019, the final rounds were conducted which witnessed some of the most brilliant and successful minds as judges. The five judge included Mr Sukesh Mishra, Mr Somasekhar Sundaresan, Ms Pallavi Shroff, Mr Hardik Modh and Mr Subodh Bhutoria. The event was concluded by Valediction Ceremony. The Chief Guest of the Ceremony were Dr P N Bhagwati, Member-Board of Governor, Nirma University, Dr Sukesh Mishra, Director Competition Commission of India, Ms Pallavi Shroff, Partner at Shardul Amarchand Mangaldas, and Dr Somashekhar Sundarsen, Independent Counsel.

Convocation

The Twenty Seventh Nirma University Convocation was held on April 20, 2019. The event was graced by the presence of Hon'ble Justice Dipak Misra- Former Chief Justice of India, as the Chief Guest. The 2014 Batch of Law graduates from the Institute of Law were awarded degree on this Convocation.

1st Round Robin Asian Parliamentary Debate

The National Parliamentary Debate Committee of Institute of Law organised India's first ever Round Robin Asian Parliamentary Debate from October 5-6, 2019. The event witnessed participation of 8 teams, 24 Speakers, 8 competitive Adjudicators, 4 Core Adjudicators and 2 invited Adjudicators. The committee conducted 8 rounds within the span of two days. The themes of the motions were feminism, elections, international politics, sports, ethics and philosophy.

Celebration of Constitution Day

The Institute celebrated the Constitution Day on November 26, 2019. Faculty and students of LLM took pledge in the classroom. The students witnessed the original written form of the Constitution of India.

Foundation Day Celebration

The Institute organised its 12th Foundation Day Celebration on August 19, 2019. Shri Rajendra Trivedi, Speaker, Gujarat Legislative Assembly, Government of Gujarat was the Chief Guest of the function. Dr Karsanbhai K Patel, President, Nirma University presided over the function and Shri K K Patel, Vice President and Dr Anup K Singh, Director General, Nirma University graced the occasion.

On this occasion, students were felicitated for their academic, co-curricular and extracurricular achievements during the year 2018-19. As part of extension activities, under the banner of National Service Scheme (NSS), the Institute organised various activities such as Blood Donation Camp, tree plantation etc.

List of students who received scholastic award:

Name	Programme
Aakansha Apurva Dave	BA, LLB (Hons)
Prerna Mayea	BCom, LLB (Hons)
Vineet Tayal	BA, LLB (Hons)
Malika Tiwari	BCom, LLB (Hons)
Sneha Sharma	BA, LLB (Hons)
Bhawna Shewani	BCom, LLB (Hons)
Ravleen Chhabra	BA, LLB (Hons)
Ishika Jain	BCom, LLB (Hons)

The Institute felicitated the alumni members who have become Judges after successfully competing in the judiciary examination of their respective states and also the Assistant Government Pleaders of the State of Gujarat. All the alumnus were congratulated with memento of appreciation for their outstanding achievement.

List of Alumni awardees who have become judges in District Magistrate Court

1. Mr Chandra Shekhar Sharma
2. Mr Ravish Nagpal
3. Ms Shalini barath
4. Ms Vinita charan
5. Ms Patel Devalben Yagneshwar
6. Mr Harsh Bishnoi
7. Mr Surendrapal Singh Deora
8. Ms Ridhima Johri
9. Mr Vaibhav soni
10. Ms Chitrakshi singh
11. Ms Shieilly Parwal
12. Mr Vikas Jain
13. Ms Nidhi Beniwal
14. Ms Manisha Agarwal
15. Ms Nitu Choudhary
16. Ms Isha Sangi

17. Mr Divyakantsingh Rathore
18. Mr Ajay Singh
19. Ms Pragya Singh
20. Mr Sharansh Sharma
21. Ms Somya Gaur
22. Mr Devansh Agrawal
23. Ms Roopal Gupta
24. Ms Roopam Tomar

List of awardees who have become Assistant Government Pleaders

1. Mr Sahil B Trivedi
2. Ms Aishvarya Gupta
3. Mr Adityasinh Jadeja
4. Mr Jayneel Sanjaybhai Parikh
5. Mr Meet M Thakkar
6. Mr Nikunj V Kanara
7. Mr Shivam N Dixit
8. Ms Divyangana P Jhala
9. Mr Krutik A Parikh
10. Mr Bhargav V Pandya

Orientation Programme for LLB Students

The Institute organised its Orientation Programme from July 18 to July 31, 2019 for the newly admitted students of Five Year Integrated BA, LLB (Hons.) and BCom, LLB (Hons.) Programme. Prof N L Mitra, Former Vice Chancellor, National Law University, Jodhpur and National Law School of India University, Bangalore was the Chief Guest.

Speakers	Topic	Date
Mr Harish, Superintendent, Narcotics Control Bureau, Gujarat	Sensitisation to Drug Menace	July 19, 2019
Mr Vaishakh Rathod, Artist/Actor Gujarati Cinema	Theatre Workshop	July 19, 2019
Mr Kaustubh Prakash	Alumni Preparing for Professional Life	July 20, 2019
Mr Pankaj Agarwal	The Corporate World Today	July 20, 2019
Mr Navin Pahwa Senior Adv, High Court of Gujarat,	Corporate Lawyering: Skills & Preparations of a Lawyer	July 20, 2019
Ms Mili Baxi, Alumni	Legal Aid Committee Introduction	July 22, 2019
Mr Percy Kavina Senior Adv, High Court of Gujarat	An Open Discourse	July 23, 2019
Ms Sapna Bhatt, Counsellor, Nirma University	How to Manage Stress – From Distress to Eustress	July 23, 2019
Mr Shubham Krishna Borah, Alumni	Debating : An Introduction	July 23, 2019
Mr Arvind Ola, Young Entrepreneur CEO-Trip School, Ahmedabad	Breaking The Character	July 23, 2019
Mr Sanjay Chakraborty, The Founder and Chief Marketing Advisor, ESSKSEE Consultancy	Branding of Law Professional	July 25, 2019
Mr Ronith Joy, Alumni	Mooting Culture at ILNU	July 26, 2019
Mr Gagan Sethi Centre for Social Justice, Ahmedabad	Law Practice for Society	July 29, 2019

Orientation Programme For LLM Students

The orientation programme for newly admitted students of LLM Programme was conducted on August 01, 2019. Dr S Santhakumar, Director of Gujarat National Law University, Gandhinagar, was invited as Chief Guest. Dr Santhakumar oriented students about research in LLM Programme and the field of Law. Dr Vikram Desai, Former Principal, Sidharth Law College, Surat was the Guest of Honour.

Dignitaries visited: 160

S No	Name of Dignitary	Designation
1	Prof Norma Martin Clement	Pro-Dean, International for Faculty of Education, Social Sciences and Law (ESSL), University of Leeds
2	Prof John Winterdyk	Professor of Criminology, Department of Economics, Justice and Policy Studies, Mount Royal University, Canada
3	Dr Stephen G Barnes	Assistant Dean for Graduate and International Programme, Penn State Law, USA
4	Prof Rachel Jeanne Herder	Clinical Professor, Clinical Law, Penn State Law, USA
5	Prof Fabricio Fortese	Department of Law, Stockholm University, Sweden
6	Dr Nelson Dordelly Rosales	Head-International and European Law Department, Vesalius College, Brussels, Belgium
7	Hon'ble Justice B N Srikrishna	Former Judge, Supreme Court of India
8	Prof N L Mitra	Former Vice Chancellor, KIIT University, Bhubaneswar & NLSIU, Bengaluru
9	Dr G S Bajpai, Registrar	National Law University, New Delhi
10	Mr Sunil Arora	The Chief Election Commissioner of India
11	Hon'ble Mr Justice M R Shah	Judge, Supreme Court of India
12	Dr Srikrishna Deva Rao	Vice Chancellor, National Law University, Odisha
13	Dr Muhammad Ekramul Haque	Professor Department of Law University of Dhaka
14	Dr Mohammad Towhidul Islam	Professor of Law, University of Dhaka, Bangladesh
15	Dr Tara Prasad Sapkota	Former Dean, Faculty of Law, Tribhuvan University, Kathmandu, Nepal
16	Ms Marium Jabyn	Cofounder and Chairperson, Equal Rights Initiative, Republic of Maldives, Maldives
17	Ms Jane Ellen Schukoske	Vanderbilt Law School, USA
18	Professor Upendra Baxi	Emeritus Professor of Law, University of Warwick
19	Prof Letlhokwa Mpedi	Executive Dean, Faculty of Law, University of Johannesburg, South Africa
20	Judge Mel Flanagan	Former Circuit Judge & Adjunct Professor, University of Wisconsin, USA
21	Prof Adam Dubin	Professor Faculty of Law, Comillas Pontifical University, Faculty of Law, Comillas Pontifical University Madrid, Spain
22	Dr Venkat Iyer	Professor and Head School of Law, Ulster University, United Kingdom
23	Prof Luis G Franceschi	Senior Director, Governance and Peace, Commonwealth Secretariat, London
24	Dr Stephen Thomas Hardy	Professor of Law & Dean, Coventry University Law School, United Kingdom

25	Dr Peter Schaefer	Professor, HoF University, Germany
26	Prof Dietmar Boerner	Professor and Head, Business and Law Department, HoF University, Germany
27	Dr Ricky Lee	Professor of Law The University of Notre Dame, Sydney, Australia
28	Mr Yili Dautraj	Head of Law, DER Juridik, Stockholm
29	Ms Sanjana Mannadiar	University of Law, UK
30	Dr S Shanthakumar	Director, Gujarat National Law University, Gandhinagar
31	Dr Sitaramam Kakarala	Director, School of Policy & Governance, Azim Premji University, Bengaluru
32	Prof B B Pande	Professor, National Law University, New Delhi, Professor of Criminal Law, Jindal Global Law School, Sonapat, Haryana
33	Dr Asha Bajpai	Professor of Law, Founder Dean, School of Law, TISS, Mumbai
34	Dr Sarasu Esther Thomas	Registrar and Professor of Law, National Law, School of India University, Bengaluru
35	Mr Abhayraj Naik	Advisor, Consultant & Researcher, Bengaluru
36	Dr P N Bhagwati	Member-Board of Governor, Nirma University
37	Dr Suresh Mishra	Director-Competition Commission of India
38	Ms Pallavi Shroff	Partner at Shardul Amarchand Mangaldas
39	Dr Somashekhar Sundarsen	Counsel, Supreme Court of India
40	Mr Parth Goswami	Partner at Phalpher & Goswami Lawyers and Solicitors, New Delhi
41	Prof M K Ramesh	Professor, National Law School of India University, Bengaluru
42	Justice Roshan S Dalvi	Former Judge, High Court of Judicature, Bombay
43	Mr Keshav Kumar (IPS)	Director, Anti-Corruption Bureau
44	Mr Rajendra Singh (The Waterman of India)	Magsaysay Awardee and winner of Stockholm Water Prize – 2015, Indian Water Conservationist and Environmentalist
45	Dr Vikram Desai	Former Principal, Sidharth Law College, Surat
46	Dr Shweta Garg	Associate Professor at Dhirubhai Ambani Institute of Information and Communication Technology (DAIICT), Gandhinagar
47	Dr Deeksha Bajpai Tewari	National Law University, New Delhi
48	Dr Usha Ramanathan	Researcher and Sr Advocate, Supreme Court of India, New Delhi
49	Mr Alipak Banerjee	Leader, International Dispute resolution at Nishith Desai Associates, New Delhi
50	Mr Sanjay Hegde	Senior Advocate, Supreme Court of India
51	Mr Chandra Shekhar Sharma	Judge in District Magistrate Court
52	Mr Ravish Nagpal	Judge in District Magistrate Court
53	Ms Shalini Barath	Judge in District Magistrate Court
54	Ms Vinita Charan	Judge in District Magistrate Court
55	Ms Devalben Patel	Judge in District Magistrate Court
56	Mr Harsh Bishnoi	Judge in District Magistrate Court
57	Mr Surendrapal Singh Deora	Judge in District Magistrate Court

58	Ms Ridhima Johri	Judge in District Magistrate Court
59	Mr Vaibhav Soni	Judge in District Magistrate Court
60	Ms Chitrakshi singh	Judge in District Magistrate Court
61	Ms Shieilly Parwal	Judge in District Magistrate Court
62	Mr Vikas Jain	Judge in District Magistrate Court
63	Ms Nidhi Beniwal	Judge in District Magistrate Court
64	Ms Manisha Agarwal	Judge in District Magistrate Court
65	Ms Nitu Choudhary	Judge in District Magistrate Court
66	Ms Isha Sangi	Judge in District Magistrate Court
67	Mr Divyakantsingh Rathore	Judge in District Magistrate Court
68	Mr Ajay Singh	Judge in District Magistrate Court
69	Ms Pragya Singh	Judge in District Magistrate Court
70	Mr Sharansh Sharma	Judge in District Magistrate Court
71	Ms Somya Gaur	Judge in District Magistrate Court
72	Mr Devansh Agrawal	Judge in District Magistrate Court
73	Ms Roopal Gupta	Judge in District Magistrate Court
74	Ms Roopam Tomar	Judge in District Magistrate Court
75	Mr Sahil B Trivedi	Assistant Government Pleader
76	Ms Aishvarya Gupta	Assistant Government Pleader
77	Mr Adityasinh Jadeja	Assistant Government Pleader
78	Mr Jayneel Sanjaybhai Parikh	Assistant Government Pleader
79	Mr Meet M Thakkar	Assistant Government Pleader
80	Mr Nikunj V Kanara	Assistant Government Pleader
81	Mr Shivam N Dixit	Assistant Government Pleader
82	Ms Divyangana P Jhala	Assistant Government Pleader
83	Mr Krutik A Parikh	Assistant Government Pleader
84	Mr Bhargav V Pandya	Assistant Government Pleader
85	Prof Praveen Tripathi	Asst Prof of Law, Bennett University, New Delhi
86	Mr Harish	Superintendent, Narcotics Control Bureau, Gujarat
87	Mr Vaishakh Rathod	Artist/Actor, Gujarati Cinema
88	Mr Kaustubh Prakash	Alumni, ILNU
89	Mr Manas Kumar Chauhan	Partner at Khaitan and Co, New Delhi
90	Mr Navin Pahwa	Senior Advocate, High Court of Gujarat
91	Ms Mili Baxi	Alumni, ILNU
92	Mr Percy Kavina	Senior Advocate, High Court of Gujarat
93	Mr Shubham Krishna Borah	Alumni, ILNU
94	Mr Arvind Ola	Young Entrepreneur CEO-Trip School, Ahmedabad
95	Mr Sanjay Chakraborty	The Founder and Chief Marketing Advisor, ESSKSEE Consultancy
96	Mr Ronith Joy	Alumni, ILNU
97	Mr Gagan Sethi	Chairperson, Centre for Social Justice, Ahmedabad
98	Mr Chinmay Naik	Associate Director, KC Mehta & Co
99	Mr Suril Mehta	Associate Director, KC Mehta & Co
100	Ms Pooja Sisodia	Legal Consultant, KC Mehta & Co
101	Mr Kinjesh Thakkar	Direct Tax Head, Linde Engineering India
102	Mr Harsh Gada	Partner, Unicorn Group and Ajmera & Associates
103	Mr Arun Kumar	Partner at Indus Law, New Delhi
104	Ms Richa Roy	Partner at Cyril Amarchand Mangaldas

105	Mr J Sai Deepak	Arguing Counsel, Delhi High Court and Supreme Court
106	Ms Avani Bansal	Advocate, Supreme Court Of India
107	Dr Manoj Sinha	Director Indian Law Institute, New Delhi
108	Mr Bharat Budholia	Partner, CAM, Mumbai
109	Miss Catheline Kaur	The Centre for Pastoralism
110	Mr Aditya Gujarati	Centre for Social Justice, Ahmedabad
111	Mr Praveen Muchhadiya	Sahjeevan Capacity Building Partner
112	Mr Titus James	Anchor, Revitalising Rainfed Agricultural Network (RRAN)
113	Ms Khyati Dhuparr	Managing Partner, Dhuparr Associates
114	Mr Saurabh Mishra	Dy Director, CCI
115	Mr Jaideep Reddy	Nishith Desai Associates
116	Mr Arun Prabhu	Partner, Cyril Amarchand Mangaldas
117	Mr Zameer Nathani	Senior Vice President and General Counsel: UFO Moviez India Limited
118	Captain Joginder Singh Gill	Former Senior Officer, Directorate General of Shipping Master Mariner, New Delhi
119	Dr Anuradha Saibaba	Head - IHL Department International Committee of the Red Cross, New Delhi
120	Ms Ragini Trakroo Zutshi	Head, UNHRC
121	Mr Sukesh Mishra	Director, CCI-Law
122	Mr Pankaj Agarwal	Partner Shardul Amarchand Mangaldas & Co Advocates & Solicitors, Ahmedabad
123	Ms Nupur Sinha	Managing Trustee, Centre for Social Justice, Ahmedabad
124	Dr Jyotsna Yagnik	Former Principal Judge City Civil & Sessions Courts, Ahmedabad
125	Dr Sairam Bhat	Professor, NLSIU, Bangalore
126	Dr Shashikala Gurpur	Director, Symbiosis Law School, Pune
127	Dr Babugouda S Patil,	Assistant Professor V M Salgaocar College of Law, Panjim, Goa
128	Prof Dr J S Mann,	Associate Professor, NLU, Delhi
129	Mr Rakesh Kumar Chopra	Training Professional and Motivational Speaker
130	Mr Tejpal Sheth	Partner, Tejpal Sheth & Co, Ahmedabad
131	Ms Meenakshi Gupta	Director, BM Institute of Mental Health, Ahmedabad
132	Dr Madhu Singh	Clinical Psychologist
133	Mr Anuj Agarwal	Co-Founder, Amicus Partners Legal Education Consultancy & Research, Mumbai
134	Mr Rakesh Kumar Chopra	Training Professional and Motivational Speaker
135	Mr Punit B Junuja	Advocate Gujarat High Court, Ahmedabad
136	Mr Ajay Thomas	Director and Registrar, LCIA India, New Delhi
137	Adv Captain Alex Antony	Lardner North & Co-A maritime, Law Firm, Kochi
138	Ms Arunava Mukherjee	Advocate on Record Supreme Court of India, New Delhi

139	Dr L Kailasam	Former Director, Office of the Principal Director Commercial Audit and Ex-Officio Member, Audit Board, Government of India, Chennai
140	Dr Gargi Chakrabarti	Associate Professor, National Law University, Jodhpur
141	Mr Sandeep Bhat	Professor of Law, West Bengal National University of Juridical Sciences, Kolkata
142	Dr Varsha Ganguly	Ex Associate Professor, ILNU
143	Ms Rejitha Nair	Free Lance Researcher, Ex Faculty Member, ILNU
144	Mr Raghav Kohli	National Law University, Gandhinagar
145	Dr S G Sreejith	Professor & Vice Dean, Jindal Global Law School, OP Jindal Global University
146	Dr Yugank Goyal	Associate Professor, Jindal Global Law School, OP Jindal Global University
147	Mr Ashok Yagnik	Advocate, High Court of Gujarat
148	Justice C K Thakkar	Former Judge, Supreme Court of India
149	Mr Mitesh Amin	Special Public Prosecutor, Gujarat High Court
150	Mr Aditya Pratap Singh	Advocate and Litigator, High Court of Bombay and Supreme Court of India
151	Ms Ved Kumari	Professor of Law, University of Delhi, New Delhi
152	Dr V K Ahuja	Faculty of Law, University of Delhi
153	Dr Rajeshkumar Acharya	H K Acharya & Company Advocates, Ahmedabad
154	Ms Aakanksha Kumar	Assistant Professor, NALSAR, Hyderabad
155	Mr Dhaval Trivedi	Director, International Taxation, K C Mehta & Co Ahmedabad
156	Dr Anjani Singh Tomar	Associate Professor of Law, Gujarat National law University, Gandhinagar
157	Mr Vikram Raghavan	Lead Counsel, World Bank, USA
158	Dr M Afzal Wani	Professor of Law and Dean University School of Law and Legal Studies Guru Gobindsingh Indraprastha University, New Delhi
159	Mr Ramanuj Mukherjee	Founder and CEO, iPleaders
160	Mr Mayur Sachdeva	University Growth Consultant, iPleaders

I. Curricular Aspects:

- . **New programmes being offered** : **01**
- . **New courses being offered** : **04**
- . **New Interdisciplinary courses** : **26**
- . **No of courses where major revision is made** : **30**
- . **Any other Initiative/Innovation in curricular design**
 - Curriculum structure revised/shifted as per the changing trend of the profession in legal market.
 - All stakeholders' feedback is received and implemented.
 - Consultative workshop of stakeholders for major revision in courses.

II. Teaching-Learning and Evaluation:

▪ Faculty completed/pursuing PhD

Mr. Amit Bhaskar was awarded PhD in Criminal Law from National Law University, New Delhi and was awarded the PhD degree in the NLU Convocation held on August 17, 2019.

▪ Innovation in Teaching - learning & evaluation

- To fulfil the needs of working executives, managers and entrepreneurs, the Institute launched Executive Diploma Programmes in **Cyber Laws and Forensics**.

▪ **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.

- **Street Law** –Examine, assess and perceive the role and impact of law into the daily lives of the public at large.

Design and build an eligibility to communicate and share this knowledge with public at large.

- **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.
- Input from Alumni members in the curriculum and also conducting special alumni lecture series.
- Faculty meeting by Area Head and conveners for the review of course conduct module, discipline, assessment and any other issues of the respective semester.

▪ Interdisciplinary Student projects

- Many students are pursuing inter-disciplinary projects in different courses of law and allied social science area.

▪ 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 : 29

. Number of faculty development programmes organised by the Institute 01

Faculty Refresher Programme (FRP)

The Institute of Law, organised a two-weeks Faculty Refresher Programme on the topic 'Strengthening Clinical and Legal Education through Pedagogy of Compassion, Hope and Practice' from July 1 to 15, 2019 at the Institute. This programme was designed in alignment of the goals of the Legal Incubation Clinic. Experts from various industries delivered lecture during the Refresher Programme.

Speakers of the FRP

Expert	Topic
Mr Abhayraj Naik, Advisor, Consultant & Researcher, Bengaluru	Integration of theory and practice in Social Courses
Mr Pankaj Agarwal, Senior Associate, Shardul Amarchand Mangaldas & Co Advocates & Solicitors, Ahmedabad	Training through internship
Mr Sanjeev Sharma	Teaching methodology based on Understanding, Problem, Logic, Academics and Complete and Creative Learning (UPLAC)
Ms Ved Kumari Professor, National Law University, New Delhi	Need for Practical Training in learning law, curriculum and extension activities in Clinical Legal Education
Ms Nupur Sinha, Managing Trustee, Centre for Social Justice, Ahmedabad	Teaching through internship and extension activities
Dr Jyotsna Yagnik, Former Principal Judge City Civil & Sessions Courts, Ahmedabad	Important aspects of practicing law and its challenges
Ms Usha Ramanathan, Senior Researcher, New Delhi	Integration of theory and practice in social science Law, courses
Mr Gagan Sethi, Chairperson, Centre for Social Justice, Ahmedabad	Clinical approach in teaching
Dr Sairam Bhat, Professor, NLSIU, Bangalore	Pedagogy of teaching law courses through clinical exercise and research
Dr Shashikala Gurple	Bridging Theory and practice in teaching law
Dr B.B. Pande, Professor of Criminal Law, Jindal Global Law School, Sonapat, Haryana	Integration of theory and practice through moot courts
Dr Babugouda S Patil, Assistant Professor V M Salgaocar College of Law, Panjim, Goa	The role of legal aid clinics and clinical activities in teaching law courses

Faculty Induction Training Programme

Four Week Faculty Induction Programme (May 27- June 21, 2019)

The following faculty members attended a four week long Faculty Induction Programme organised by the Academic Development and Research (ADR) Cell, Nirma University.

1. Kulshreshtha Kirti
2. Singh Virendra
3. Sharma Neeraj
4. Pachori Anviksha
5. Sharma Arpit
6. Mittal Trisha Saurabh
7. Dash Bishwa Kallyan
8. Bhaskar Amit
9. Agarwal Pankhuri

• **Invited/endowment lectures**

Name of Guest	Topic	Date
Prof Dr J S Mann, Associate Professor, NLU, Delhi	How to design questionnaire	May 14, 2019
Mr Somasekhar Sundaresan Partner, J Sagar Associates/Advocates & solicitors, Mumbai	Corporate Honours	April 06, 2019
Mr Rakesh Kumar Chopra Training Professional and Motivational Speaker	Communication Skills	August 26-29, 2019
Ms Nupur Saxena Centre for Social Justice	Role of NGO in Policy Making	August 30, 2019
Mr Tejpal Sheth Partner, Tejpal Sheth & Co, Ahmedabad	Compromise, Arrangement Amalgamation: Section 30 & 31 Companies Act	September 05, 2019
Ms Meenakshi Gupta Director, BM Institute of Mental Health, Ahmedabad	Awareness on Mental Health and Wellbeing	September 10, 2019
Dr Madhu Singh Clinical Psychologist	Awareness on Mental Health and Wellbeing	September 10, 2019
Mr Anuj Agarwal Co-Founder, Amicus Partners Legal Education Consultancy & Research, Mumbai	Workshop on Streamlining LLM application Procedures from abroad, college selection etc.	September 12, 2019
Mr Rakesh Kumar Chopra Training Professional and Motivational Speaker	Decision Making and Critical Thinking	September 16-19, 2019
Mr Punit B Junuja Advocate Gujarat High Court, Ahmedabad	Debt Recovery Tribunal and its procedure	September 20, 2019
Mr Ajay Thomas Director and Registrar, LCIA India, New Delhi	International Commercial Arbitration	September 20-21, 2019
Adv. Captain Alex Antony, Lardner North & Co.-A maritime, Law Firm, Kochi	Bill of Lading	September 23, 2019
Ms Arunava Mukherjee Advocate on Record Supreme Court of India, New Delhi	Acing Interviews	September 21, 2019
Dr L Kailasam Former Director, Office of the Principal Director Commercial Audit and Ex-Officio Member, Audit Board, Government of India, Chennai	Working of Indian Criminal Justice System and overview of Indian Taxation and Career Opportunities	September 24-25, 2019
Mr Keshav Kumar (IPS), Director, Anti- Corruption Bureau, Ahmedabad	Police Forensic Interface	October 4, 2019
Dr Gargi Chakrabarti, Associate Professor, National Law University, Jodhpur	Trademark & Industrial Design Law	September 27, 2019
Advocate Captain Alex Antony Lardner North & Co. – A Maritime Law Firm, Kochi	Maritime Law	October 10, 2019
Mr Sandeep Bhat	International Economics Law,	October 21-22,

Professor of Law, West Bengal National University of Juridical Sciences, Kolkata	and Law & Justice in Globalizing World	2019
Mr Abhayraj Naik Advisor, Consultant & Researcher, Bengaluru	Jurisprudence	October 22-23, 2019
Hon'ble Justice B N Srikrishna Former Judge, Supreme Court of India	Mob Lynching and Data Privacy	November 5- 6, 2020
Captain Joginder Singh Gill Master Mariner, New Delhi	Maritime law	November 11, 2019
Dr Varsha Ganguly	Agrarian Reforms and law	November 11, 2019
Ms Rejitha Nair Free Lance Researcher	Refugee Law	November 13, 2019
Prof N L Mitra Former Vice Chancellor, KIIT University, Bhubaneswar & NLSIU, Bengaluru	Corporate Governance : Challenges And Regulatory Control	November 18-19, 2019
Justice Roshan S Dalvi Former Judge, High Court of Judicature, Bombay	Case Management of Family Courts	November 19, 2019
Prof M K Ramesh, Professor, National Law School of India University, Bengaluru	Biodiversity	November 22, 2019
Mr Bharat Budholia, Partner, CAM, Mumbai.	Regulation of Combinations under the Competition Act, 1902	November 23, 2019.
Dr S G Sreejith Professor & Vice Dean, Jindal Global Law School, OP Jindal Global University	Future of International Law	November 25, 2019
Dr Yugank Goyal Associate Professor, Jindal Global Law School, OP Jindal Global University	Policy Impact Evaluation	November 27, 2019
Mr Ashok Yagnik Advocate, High Court of Gujarat	Bank Guarantee and Letters of Credit	November 28, 2019
Justice C K Thakkar Former Judge, Supreme Court of India	Maintainability of Appeal	November 29, 2019
Mr Mitesh Amin Special Public Prosecutor, Gujarat High Court	The Art of Cross Examination	November 30, 2019
Mr Aditya Pratap Singh Advocate and Litigator, High Court of Bombay and Supreme Court of India	Public interest litigation, legal drafting and craft of advocacy	December 01, 2019
Dr M Afzal Wani Professor of Law and Dean University School of Law and Legal Studies, Guru Gobindsingh Indraprastha University, New Delhi	Research Methodology	January 18, 2020
Mr Ramanuj Mukherjee Founder and CEO iPleaders	How the Legal Profession is Changing? Block Chain and its Role in Legal Research	February 10, 2020

III. Research & Consultancy & Extension

Major Research Projects funded by External Funding Agencies

Financial Year	Ongoing	
	Number	Amount
2019-20	1	10.00
2018-19	-	-

Minor Research Projects funded by Nirma University

Financial Year	Completed		Sanctioned	
	Number	Amount	Number	Amount
2019-20	-	-	4	342200
2018-19	1	0.90	-	-

Minor Research Projects funded by External Funding Agencies

Financial Year	Completed		Ongoing		Sanctioned	
	Number	Amount	Number	Amount	Number	Amount
2019-20	-	-	1	1.15	-	-
2018-19	-	-	-	-	-	-

Ongoing Major Research Projects

Sr. No.	Title of the Project	Project Investigator/s	Funding Agency	Grant (in ₹)
1.	A Study on Public Participation in Environmental Decision Making Process in Gujarat with Special Reference to Environment Impact Assessment Process	Prof. Madhuri Parikh Prof. Bishwa Kallyan Dash	Indian Council of Social Science Research	10,00,000/-
Total Grant				10,00,000/-

Minor Research Projects

Ongoing Minor Research Projects

Sr. No.	Title of the Project	Project Investigator/s	Funding Agency	Grant (in ₹)
1.	An Empirical Study on the Status of The Undertrial Prisoners in Gujarat Central Jails	Prof. Purvi Pokhariyal	National Human Rights Commission, New Delhi	1,15,000/-
Total Grant				1,15,000/-

Sanctioned Minor Research Projects

Sr. No.	Title of the Project	Project Investigator/s	Funding Agency	Grant (in ₹)
1.	Impact on Carbon Tax on Energy Mix for Sustainable Development Goals: A Legal Study	Prof. Sukrit Garg, Prof. Neeraj Sharma	Nirma University	82,000/-
2.	Redressal of Sexual Harassment at Work Place: A Legal Study at Private Health Sector in Ahmedabad	Prof. Vikash Upadhyay	Nirma University	70,200/-
3.	Piracy of Copyrighted Content- A Case Study on Film Industry	Prof. Gunjan Arora	Nirma University	90,000/-
4.	Impact Analysis of Geographical Indications of Goods (Registration and Protection) Act, 1999 in Gujarat: Case Study of Patan Patola and Jamnagar Bandhani.	Prof. Taruna Jakhar, Prof. Gunjan Arora	Nirma University	1,00,000/-
Total Grant				3,42,200/-

Number of Teachers allowed to participation in National /International Conference based on the acceptance of Research Paper

Financial Year	National Conference		International Conference	
	Number of Teachers	Amount incurred	Number of Teachers	Amount incurred
2019-20	--	--	3	90100
2018-19	1	4717	2	28535

Publication by Institute – International/National Conference proceedings, Institute journals, dissertation abstracts, PhD Thesis, etc

Paper Publication

Dr Madhuri Parikh: Paper on Right to Participate in Environmental Decision making process in India: Legal Dimensions, was published in the Forum proceedings on theme International Forum on Public Participation and Stakeholders' Engagement, organised by International Association for Public Participation and United Nations Economic and Social Commission for Asia and Pacific held in May 2019.

Dr Madhuri Parikh: Paper on Legal Framework for water governance in India: A critique was published as chapter in book titled Environmental Justice through Sustainable Water Resource Management: Issues, Challenges and Solutions in the form of selected papers by Department of Law, North Bengal University in December 2019. Page no. 24-38.

Dr Madhuri Parikh: Article on Critique of Environmental Impact Assessment process in India published in UGC approved, SCOPUS and Hein online indexed journal Environmental Policy and Law, Volume 49 issue 4-5, in January 2020, page no. 252-259 ISSN online 1878-5395

Paper Presentation

Neeraj Sharma presented paper on Ensuring Food Security by Promoting Sustainable Agriculture: An Analysis at the International Conference on Green Justice: Contemporary Challenges of

Environment and Sustainable Development held on February 29 and March 01, 2020 at GLS, Ahmedabad.

Swati Mawandiya presented a paper on 'Abatement and legal control of Light Pollution- A comparative study of position in UK, USA and India' at International Conference held at GLS law college, Ahmedabad. The conference was on Green justice: Contemporary challenges of Environment and Sustainable Development held from February 28- March 1, 2020.

Dr Bishwa K Dash presented a paper titled; " Role of Media in bringing Good Governance in SAARC Region: An Indian Experience" at the colloquium for Fifth Prof N R Madhava Menon SAARCLAW Mooting Competition, Law Students' Conference & Colloquium 2019-20 held on February 21-24, 2020 at Lloyd Law College, Noida.

Dr Tarkesh Molia presented a paper titled “Bridging the gap between the Functionaries in Legal Aid Clinics of Law Schools: A Case Study of Institute of Law, Nirma University in the Global Alliance for Justice Education(GAJE) Conference held in Bandung, Indonesia from December 2-12, 2019.

Dr Madhuri Parikh presented a paper on "The Need For River Police in India: A Critical Study" organised by Raksha Shakti University at International Conference of Police Science on September 06 - 07, 2019 at Vadai.

Ms Kshama Parikh presented a paper on “Knowledge Management and User Engagement in Academic Library – Weaving expertise into working practices” International Conference – IKOAL – 2019 on “Knowledge Organisation in Academic Libraries”; Theme: Building Smart Libraries: Challenges and Discovery Tools during September 12-13, 2019 at S P University, Anand.

Awards and Recognitions (Institute/Department/Faculty)

Faculty Achievements

Award

Dr Madhuri Parikh was awarded as 100 most Dedicated Professors by World Education Congress on July 4, 2019.

ILNU won the Deshraag- Patriotic Song Competition

A team comprising faculty and staff members at ILNU won the Runner's Up Trophy of the Deshraag – Patriotic Song Competition organised by the Students Welfare Board, Nirma University on August 09, 2019.

Faculty as resource person

1. Prof (Dr) Purvi Pokhariyal was invited by HOF University, Germany to deliver lecture in an International Teaching Week from May 19-25, 2019. Prof (Dr) Pokhariyal delivered lectures on “Introduction to Environment Law and the background of the Constitutional Law framework” and “Sustainability and Regulations.”
2. Prof (Dr) Purvi Pokhariyal delivered lecture in various universities like Charles University, Prague, Czech Republic, Masaryk University, Brno, Czech Republic, Stockholm University, Stockholm, Sweden, Uppsala University, Uppsala, Sweden, University of Oslo, Oslo, Norway on “Legal Education : Indian Experience during her visit in May 2019.

3. Dr Madhuri Parikh delivered invited talk on Right to Participate in Environmental Decision making process in India: Legal Dimensions at International forum on public participation and stakeholders' engagement, organised at Bangkok, UN centre, by International Association for Public Participation, United Nations Economic and Social Commission for Asia and Pacific, School of Government, held on April 29-May 2, 2019.
4. Dr Bishwa Kallyan Dash delivered lecture at Jammu University at the Two Day Certificate Course on 'Cyber Laws and Cyber Forensics' on the topic "Changing Facets of Technology and law" and "Disruptive Technologies and their Legal control" on May 09-10, 2019.
5. Dr Bishwa Kallyan Dash delivered a lecture at the SACISRO, Ahmedabad on the topic "RTI-Dwindled or Constricted: The bottlenecks in Good Governance" on 25th April 2019 for the officers and staff of ISRO, Ahmedabad centre.
6. Dr Bishwa Kallyan Dash delivered an Invited lecture at the Gujarat Biodiversity Board at their celebration of International Biological Diversity Day (IBD) - 2019 on 22nd May, 2019 at Research & Training, Gujarat State, Gujarat Forest Research & Training Institute, Gandhinagar on the topic: Biodiversity Hotspots in India.
7. Prof (Dr) Purvi Pokhariyal delivered talk in a symposium on “Prof Madhava Menon’s Contributions to legal Education: Merging Modern and Contemporary Education with Traditional Educational Values & Ethics” on September 07, 2019 at Trivandrum, Kerala.
8. Prof (Dr) Purvi Pokhariyal was invited as a Chief Guest in the National Seminar on Strengthening Legal Provisions for the Enforcement of Contracts at National Law School of India University at Bengaluru on August 21, 2019 and delivered a talk on Enforcement of Contracts.
9. Prof (Dr) Purvi Pokhariyal delivered talk on the 14th World Education Summit at New Delhi on August 09, 2019.
10. Dr Madhuri Parikh chaired the session on SDG 13 (Climate Action) and delivered a lecture at two days National Seminar on “Agenda 2030: India’s Response to Sustainable Development Goals” on September 15-16, 2019 to Celebrate World Ozone Day organised by Centre of Excellence, under the aegis of University School of Law, Gujarat University. Dr Parikh also delivered a lecture on Combating Climate change and role of the communities during the Conference.
11. Dr Bishwa Kallyan Dash delivered a lecture on “Governance of Sports in India” at the Two Day National Seminar on Legal, Ethical and Contractual Issues in Sports held on 27-28 July 2019.
12. Prof (Dr) Purvi Pokhariyal was invited as a Resource Person in the Faculty Development Programme on “Skill Based Learning Restructuring Legal Pedagogy” organised by the National University of Advanced Legal Studies, Kochi on December 11, 2019.
13. Prof (Dr) Purvi Pokhariyal participated in International Conference on Cyberlaw, Cybercrime & Cybersecurity organised by Cyberlaws.Net and Pavan Duggal Associates, Advocates, New Delhi on November 20-21, 2019. Prof (Dr) Purvi Pokhariyal delivered talk on Regulating Artificial Intelligence – The progress so far and the challenges ahead.

14. Mr Nitesh Chaudhary delivered the Third Mahatma Gandhi Memorial Lecture on October 24, 2019 at OP Jindal Global University, Noida.
15. Dr Bishwa K Dash delivered a lecture as a special invitee to the International Conference on Cyber Law, Cyber Crime and Cyber Security held at New Delhi from November 20- 21, 2019 on the topic "Crypto Assets and Legal Regulations in India" and " Blockchain and the legal control".
16. Dr Bishwa K Dash was invited as a Judge in the 10th Justice Hidayatullah Memorial National Moot Court Competition (HNMCC) 2019 organised by Hidayatullah National Law University, Raipur during October 18-20, 2019.
17. Dr Tarkesh Molia participated in the Global Alliance for Justice Education (GAJE) Conference held in Bandung, Indonesia from December 2-12, 2019. Dr Molia also presented a paper titled “Bridging the gap between the Functionaries in Legal Aid Clinics of Law Schools: A Case Study of Institute of Law, Nirma University.
18. Prof Raj Mehta delivered a lecture on ‘Consumer Law’ at Shri C M Patel College of Nursing, Gandhinagar on March 14, 2020.
19. Dr Shalini S delivered a keynote address on the topic Research and Publication opportunities in the area of Service Learning at the National Conference on Service Learning, February 28-29, 2020, Christ University, Bangalore.
20. Dr Madhuri Parikh delivered Expert Invited Talk on Feb 26, 2020 on the topic ‘Compensatory Afforestation : a Myth or Reality?’, at International Conference on Ecohealth and Environmental Sustainability held during 24-26 February 2020 at NavRachna University, Vadodara, organised jointly by Navrachana university and University of Calgary of Canada.
21. Dr Madhuri Parikh chaired the session and delivered invited talk at the State level Conference on Climate Action and Gandhian Abhigam organised by Ajivan Sikshan and Vistaran Vibhag, Gujarat Vidhyapeeth, Department of Higher Education Gujarat and Paryavaran Mitra, NGO at Gujarat Vidhyapeeth on March 12, 2020.

Participation in Seminar/Conference

1. Dr Bishwa Kallyan Dash visited Stetson University, Florida, USA during April 09-16, 2019 as the Team Coach representing India and the Institute of Law, Nirma University at the 25th Stetson International Environmental Moot Court Competition.
2. Ms Anubhuti Dungdung attended the 21st Commonwealth Law Conference on the theme: “The Rule of Law in Retreat? Challenges for the Modern Commonwealth, Zambia, South Africa during April 08-16, 2019.
3. Ms Nidhi Saroj visited Jaipur on April 18, 2019 to interact with the students as part of admission promotional activities.
4. Prof (Dr) Purvi Pokhariyal participated in Global Law Deans Forum and Annual General Meeting under the auspices of International Association of Law Schools at Gdan'sk, Poland from September 18-22, 2019.
5. Dr Bishwa Kallyan Dash participated in the Round Table Conference on “Ethics by Design in AI” organised by SFLC in association with Facebook and IIM-Bangalore on July 20, 2019 at the IIM Bengaluru campus.
6. Dr Bishwa Kallyan Dash participated in the Sports Law and Policy symposium 2019 organised by Go Sports and Law NK on August 02-03, 2019 at Bengaluru.

7. Dr Amit Bhaskar attended a One Day National Workshop on Insolvency & Bankruptcy Code 2016 at MNLU, Mumbai on September 07, 2019.
8. Dr Amit Bhaskar attended a One Day Seminar on IBC: The Efficiency Mechanism in Practise at Gujarat National Law University (GNLU), Gandhinagar on July 27, 2019.
9. Mr Raj Mehta participated in One day Seminar on Economic Analysis of Constitutional Law organised by GNLU, Gandhinagar on September 21, 2019.

Ongoing Research Collaboration/New collaboration

Dr Madhuri Parikh and Dr Bishwa K Dash received the Major Research Project [Rs.10 lakh] on "Public Participation in Environmental Decision making process in Gujarat with special reference to Environment Impact Assessment" by ICSSR in July 2019.

Summary of the Research Publications in financial year:

Financial Year	National Journal			International Journal		
	Number of paper published	Number of paper considered for calculation of average impact factor	Average impact factor	Number of paper published	Number of paper considered for calculation of average impact factor	Average impact factor
2019-20	1	0	-	2	0	-
2018-19	4	0	-	1	0	-

Details of Research Publications:

. Research Publications by Faculty

. International Journals:

Sr No	Name of Authors	Paper Title	Name of Journal	ISBN/ISSN No of the Journal
1.	Dr Madhuri Parikh	Evolution of Compensatory Afforestation Fund Act, 2016: a Critique	Referred International Journal	ISBN/ISSN;1878-5395
2.	Dr Madhuri Parikh	Right to Participate in Environmental Decision making process in India: Legal Dimensions	International Forum on Public Participation and Stakeholders' Engagement	-

. National journals – refereed papers

Sr No	Name of Authors	Paper Title	Name of Journal	ISBN/ISSN No of the Journal
1	Dr Amit Bhaskar	Decoding Section 29 A (c) of Insolvency and Bankruptcy Code, 2016 in the light of Supreme Court Judgments in ArcelorMittal and Swiss Ribbons	Company Law Journal	0010-4019

. University Journal - 1

Nirma University law Journal published twice in a year.

- Other publications (books, chapter in books, case studies, manual monograph, articles etc)
- **Book Publication**

Sr No	Name of Authors	Book Title	Name of Publisher	ISBN No of the Book
1	Ms Gunjan Chawla Arora	Claims to Defending a Patent Infringement Suit: A Perspective Across Different Jurisdictions	Lambert Academic Publishing	ISBN-9786200459312
2	Ms Gunjan Chawla Arora	Book Chapter on "The Problem of Climate Induced Displacement: Analyzing the <u>International</u> Framework on Protection of the Rights of Climate Migrants	IGI Global	ISBN13: 9781799803157

Book Chapter

Sr No	Name of Author	Article/Chapter	Page No	Name of Book
1	Dr Madhuri Parikh	Legal Framework for Water Governance in India: A critique	24-38	Environmental Justice Through Sustainable Water Resource Management: Issues, Challenges and Solutions

Summary

Revenue generated in:

Financial Year	Consultancy	Testing	Training	Other (Different Fees)
2019-20	0			1845669
2018-19	211864			4342733

- **Extension Activities/Community services by Institute/Department**

Donation Drive by SanghARSH

Volunteers of NSS Unit ILNU visited “Gokul Prathmik Shala”, an orphanage in Gota, for starting a computer literacy programme at the orphanage. This was six-day course, covered in around 4-5 weeks. They taught them about the basics of computers and made them friendly with this subject. Volunteers also had fun activities with them on the topic 'Basics of Computer'. The programme aimed to help them in learning a new subject and make them aware of the increasing technology in our country. NSS Unit ILNU also gifted some stationery to them.

Mission SanghARSH, conducted a Donation Drive in Chandkheda, Ahmedabad on May 19, 2019. The members distributed the clothes and essentials to the less privileged people of the society. The donation was collected through the new initiative of Mission SanghARSH's Philanthropic Friday wherein the students, teachers and other people at Institute of Law, Nirma University donate essentials every Friday.

Legal Awareness Camp by Mission SanghARSH

A Legal Awareness Camp in village Charodi near Nirma University, under its new campaign namely, "Know your Rights" was conducted by Team Mission SanghARSH. A Team of 14 members visited the village on September 22, 2019. The people were made aware about the new traffic rules, revised penalties, and the required documents which they should keep with them. Along with that, the safety measures which every person should take and things that they should avoid like rash driving, drink and drive etc. were also discussed.

ILNU Fit India Movement

As part of Government of India's innovative movement 'Fit India Movement'- to take the Nation forward on the path of Fitness and Wellness-Healthier India, the NSS Unit of Institute of Law, Nirma University organised a 'Walk 10,000 step on the campus' programme on August 29, 2019. The event was basically to generate awareness regarding sports and yoga among the youth. The volunteers watched the telecast and Prime Minister's speech.

As part of Foundation Day celebration, the NSS Unit, in association with the Legal Aid Clinic Committee organised a Blood Donation camp on August 19, 2019 on the campus. About 59 students donated blood during the camp. In association with the Legal Aid Committee, the NSS Unit also organised a plantation drive. About 28 saplings were planted on the campus.

Thalassemia Camp

The Institute organised the Thalassemia test for the First Year Undergraduate Law Programme students of BA, LLB (Hons.) and BCom, LLB(Hons.) admitted for the academic year 2019-20 on August 30, 2019.

Lexmania

The Quiz Committee ILNU in collaboration with the IDIA organised quiz on the theme "Contemporary Issues of Law" on November 26, 2019 with an objective to raise funds for the Increasing Diversity by Increasing Access to Legal Education (IDIA) Trust. More than 60 students participated in the quiz. The team comprising of Varun Hinge and Aaradhya Mandloi (first year) secured first position in the competition. The team comprising of Devansh Dubey and Anuj Bajaj secured second position in the competition. And the team comprising of Namit Jain and Ojasvi Sharma secured the third position.

Visit to Adopted Village

NSS Unit of ILNU made its preliminary visit to the adopted village Valad on November 16, 2019. The volunteers met the Sarpanch of the village with the aim to know about the demographics of the village. The volunteers also visited the Primary School, Panchayat Bhavan, Temples, Mosque, Police Station, Aanganwadi, and Arogya Kendra.

NSS Orientation

NSS Unit of Institute of Law conducted orientation session for the volunteers on October 3, 2019. Dr Neeraj Silawat, Assistant Prof, Gujrat Vidyapeeth, was invited to take the Orientation. He has achieved 'Best State Level Programme Officer Award' in National Service Scheme (NSS) by Government of Gujarat, 2014. The event witnessed participation of over 118 students. Volunteers were also told about the Rules and regulations of NSS along with the advantage of NSS in higher studies. Further the role and responsibility of NSS and it's Volunteers towards society and themselves were also discussed.

Educational Trip to Delhi

The Institute organised a four day Educational Trip to Delhi for its LLM students. The visit aimed at promoting and enhancing the practical knowledge of law. The students visited the Supreme Court of

India, National Human Rights Commission, Rashtrapati Bhavan and Parliament. The students also witnessed the budget session of 2020.

Establishment of Students Research Council (SRC)

Institute of Law, Nirma University on September 9, 2019 established its first-ever research-oriented body, the Students Research Council (SRC) with the aim to stimulate the trend of research among the students of ILNU. SRC is a central body created by the Institute under the Scheme to Promote Research and Innovation amongst the students. The council is chaired by Mr Aklovya Panwar, a fifth year student at ILNU.

SRC aims to provide an effective mechanism for research and development in the Institute. It will act as a common platform for multi-directed research approaches. The aid and support provided by SRC is not only limited to the UG students but is also extended to the PG students and Alumni of the Institute.

With the aim of paving way for Student Researchers, a week long (September 09 -12, 2019) Research Counter was set up in the institute that introduced the world of Research and Policy to students by SRC. It served as a counter for research portals, tools and centres. It also introduced students to fellowships like LAMP, Gandhi etc.

. New MoU signed/Collaborative activities done related to MoU/ tie-ups with other organisation

- MoU with HoF University, Germany
- Tie-ups with:
 1. Hamurabi and Solomon – Advocates & Corporate Law Advisors, New Delhi
 2. AZB Partners, Mumbai
 3. Nishith Desai Associate, Mumbai
 4. Shardul Amarchand Mangaldas
 5. International Chamber of Commerce (ICC), India Arbitration Group
 6. Rab and Rab Associates, Dehradun
 7. Tanwar and Associates, Gurugram
 8. Singhanian & Co, Mumbai
 9. Cyril Amarchand Mangal Das, Ahmedabad

. Linkages with national/international academic/research bodies

International Linkage:

Since the year of its inception, ILNU has been striving to reach higher academic goals. The global approach finds a place in the ever-increasing global academic alliances of ILNU with foreign subject experts and universities. Each year the international dignitaries visit ILNU as Visiting Faculty from abroad and engage in active teaching-learning process spread across five weeks. Two students from the fifth year would be spending their next semester at Penn State Law, Pennsylvania University. International faculty conduct intensive courses in International Arbitration, American Legal System, legal writing, besides offering many other skill-based courses. The faculty, student exchange and research collaboration programmes have been initiated between ILNU and the following universities:

- ✓ Penn State Law University, USA
- ✓ HoF Germany
- ✓ University of Wyoming, College of Law
- ✓ Strathmore University, Kenya
- ✓ University of Johannesburg, South Africa
- ✓ Financial University under the Government of the Russia Federation, Moscow, Russia
- ✓ Comillas University, Spain
- ✓ University of Szeged, Hungary

✓ Coventry University, UK
Masaryk University, Faculty of Law, Czech Republic

IV. Infrastructure and Learning Resources:

- . Computer facilities: added : 4
- . Library - learning resources added

NUMBER OF BOOK FOR TECHNICAL SUBJECTS DURING THE YEAR 2019-2020			
No of Titles & Volumes Added During the Year 2019-2020		Total No of Titles & Volumes as on 31/03/2020	
Title	Volumes	Title	Volumes
626	669	8357	10426

NUMBER OF BOOK FOR SCIENCE & HUMANITIES DURING THE YEAR 2019-2020			
No of Titles & Volumes Added During the Year 2019-2020		Total No of Titles & Volumes as on 31/03/2020	
Title	Volumes	Title	Volumes
221	226	2339	2746

NO OF PERIODICALS JOURNALS INCLUDING E-JOURNALS DURING THE YEAR 2019-2020	
Added during the year 2019-2020	Cumulative Total as on 31/03/2020
122 (31 Bound Volumes + 26 Dissertation + 3 Online Database + 1 Institutional Membership + 11 Photo Album + 10 Photo CDs + 40 Video CDs)	73 Print + 3625 Online
OTHER MATERIAL WHICH INCLUDES SOFTWARE ICDS ICASSETIES OTHER AUDIOVISUAL MATERIALS	
Added during the year 2019-2020	Cumulative Total as on 31/03/2020
122	677

V. Student Support and Progression:

- Cut-off percentage marks – category wise

General Category : 124.5 Marks (CLAT Rank 3831)

NRI Sponsored Category : 79 Marks (CLAT Rank 20860)

- Student achievements

Felicitation Ceremony

ILNU has believed in commending the students to inspire and encourage them to scale greater heights. The institute has a dedicated approach towards achieving excellence and appreciation of the champions, paving a way for the motivation for the rest. On May 8, 2019 ILNU conducted a felicitation ceremony for the winners of the term 2018-2019. The students were felicitated by the Dean and Director of the institute, Prof (Dr) Purvi Pokhariyal and Dr Tarkesh Molia, Area Head of the institute. The ceremony was conducted to honour the students who won in Debate Tournaments,

Moot Court Competition, Mock Trials and ADRC. Speaking on the occasion, the Dean emphasised on the importance and value of aspirations as being the stepping stones on the path to success.

Moot Court Achievement

- Team consisting Akshay Bhandari (16BBL003), Dakshesh Kapur (16BBL012), Ekta Jhanjhri (16BBL015) adjudged Semi- Finalists in the 15th Nani Palkhivala Memorial National Tax Moot Court Competition held on April 5-7, 2019. Dakshesh Kapur adjudged as the Best Speaker.
- Institute of Law, Nirma University bags the citation for the 2nd Best Memorial in National Rounds 5th Prof N R Madhava Menon SAARC Law Mooting competition, 2019-2020, held from October 18- 20, 2019. The team comprising, Sanjhi Agarwal, Varada Jahagirdar and Priyanka Bajpai will now represent India in the world rounds.
- The team comprising Kajal Singh (Semester V), Mohit Shivkumar (Semester VII) and Tarun Agarwal (Semester III) from Institute of Law were adjudged as Runners-up in 8th NLIU Corporate Moot Court Competition 2019. The competition was organised by National Law Institute University, Bhopal from December 6 -8, 2019.
- The team consisting of Aayushi Dubey, Supriya Jhulka and Yash Jain, who represented Institute of Law, Nirma University in the 11th HNLU National Moot Court Competition, held from October 18-20, 2019 have won the award for the best memorial and have also been adjudged as the quarterfinalists for the competition.
- The team representing at Philip C Jessup International Law Moot Court Competition, 2020 have won the citation for the second best memorial. The Indian rounds of the competition were held at Amity Law School, Noida from January 30th – February 2nd, 2020. The team comprised Shalini Mishra, Vanshika Agrawal, Shrishti Mishra, Ashuthosh V and Palak Jain.
- The team comprising Paridhi Rastogi, Akshita Totla and Aashna Shah won the citation for Best Memorial in the 18th Surana and Surana Corporate Law National Moot Court Competition, 2020 held from February 7-9, 2020. The team was also adjudged as semi-finalists in the Competition.
- The team comprising Shivanshi Gupta, Paridhi Galundia and Manali Maheshwari have won the citation for best memorial and were also adjudged as semi-finalists at KLA's 29th All India Moot Court Competition held from February 7-9, 2020. In addition to this, Shivanshi Gupta was awarded with the citation of the Best Student Advocate and Paridhi Galundia was awarded with the citation of the Second Best Student Advocate.
- The team comprising Sakshi Rathore, Agrima Shankar, Ankur Mishra, Anshika Pandey, and Ritika Singh have been adjudged as 3rd Best Team in the National Rounds of the 24th Stetson's International Environmental Moot Court Competition, 2019-20 and have qualified for the World Rounds to be held at Stetson University College of Law in Gulfport, Florida in April 2020. The Institute has qualified for the third time in a row for world rounds.
- The team comprising Varada Jhagirdar, Sanjhi Agarwal and Priyanka Bajpai, semester sixth students have won the citation for "Best Memorial" at 5th Prof N R Madhava Menon SAARC Law Mooting competition, 2019-2020. The international rounds of the competition were held at Llyod Law College, Delhi from February 21-23, 2020. In addition to this, the team was adjudged as quarter-finalists and Varada Jhagirdar was awarded as "Best Female Advocate" at the competition.

Debate Achievement

- Shubham Bohra and Devashish Trivedi were invited as adjudicators and judged the Novice Finals of RV Debate Tournament held at Bangalore from August 16-18, 2019.
- Devashish Trivedi secured an Adjudicator Break at the Asia Debate Open held at held at Guangzhou, China from August 23- August 25, 2019.
- The debate society has brought laurels to the institute in GNLU British Parliamentary Debate held at Gandhinagar from August 31- September 2, 2019. Palash Pareek and Nayanika Singhal were qualified for Semi- Finals. Aarush Sharma and Vanshja Sengar were qualified for Semi Finals in the novice category. Devashish Trivedi and Akshit Mishra qualified for Semi Finals. Both of them got the award for the 4th Best Speaker.
- Subham Borah, a student of 5th year Institute of Law, secured the position of 3rd best adjudicator at the Trivium Punjab Engineering College Asian Parliamentary Debate held at Chandigarh from September 6-9, 2019. He was adjudged as one of the best adjudicators, out of 110 adjudicators.
- The team comprising of Adama Ojha and Sree Ganesh, first year students of Institute of Law, secured a break and qualified for semi-finals in the novice category in the prestigious MS Ramaiah Institute of Technology British Parliamentary Debate held at Bangalore from September 14-16, 2019.
- Subham Borah bagged the Championship Trophy in the NMIMS, School of Law, Loquitur Parliamentary Debate held from September 27-29, 2019 and got the award for the 5th Best Speaker whereas Devashish Trivedi won the 2nd Best Adjudicator Award.
- Devashish Trivedi, Jahnvi Pandey, Nivedita Singh and Prakshi Singh participated in the IIT Bombay Inter Varsity Debate Competition, held from October 11-13, 2019. Devashish Trivedi, was declared as the Best Adjudicator of the tournament. Jahnvi Pandey and Nivedita Singh qualified for the Novice Semi Finals and Prakshi Singh qualified for the Reserved Novice Semi Finals.
- Subham Borah along with two teammates from GLC Mumbai won the NMIMIS School of Law Loquitur Parliamentary Debate on September 27-29, 2019. In the same tournament, Devashish Trivedi was declared the 2nd Best Adjudicator. Subham Borah was also declared the 5th Best Speaker.
- Devashish Trivedi, a fifth year student secured and adjudicator break at the 40th World Universities Debate Championship (WUDC), 2020 at Bangkok, Thailand held from December 27, 2019 – January 3, 2020. WUDC is known as the Mecca of Parliamentary Debating and the competition saw the participation of more than 700 candidates from over 100 countries. The Institute of Law becomes one of the six institutes from India to have secured a break at WUDC.
- Subham Borah, a fourth year student was invited as a Core Adjudicator in the Lloyd Law College Asian Parliamentary Debate Tournament, held from February 28th – March 1, 2020. The title of a Core Adjudicator is a highly recognized title in the debating circuit.
- The team representing Institute of Law in the Government Law College British Parliamentary Debate Competition qualified as Open Semi-Finalist. The team comprised of Srivaishnavi R and Gaurav Chaplot, both second year students of Institute of Law. The competition was held in Government Law College, Mumbai from February 28-March 1, 2020. Further, Devashish

Trivedi, fifth year student won the title of the Second Best Adjudicator among sixty- five participants.

Other Achievement

- Team consisting of Subham Krishna Borah, Devashish Trivedi and Akshit Mishra participated in the NLU Jodhpur Parliamentary Debate 2019 held on April 5-7, 2019 at Jodhpur. Subham Krishna Borah was adjudged Best Adjudicator and Finals Chair, Devashish Trivedi adjudged 5th Best Adjudicator and he was the Finals Judge & Akshit Mishra adjudged Breaking Adjudicator and he was Quarter Finals Judge.
- Team consisting Subham Krishna Borah and Devashish Trivedi participated in the N V Thadani Memorial Invitational Parliamentary Debate 2019, organised by Hindu College, Delhi University on April 20-21, 2019.
- Team consisting Subham Krishna Borah and Devashish Trivedi participated in the Malaysia Pre-Asians 2019, organised by Taylor's University, Kuala Lumpur on June 14-16, 2019.
- Subham Krishna Borah participated in the United Asian Debating Championship 2019, organised by Vietnam National University, International School, Hanoi on June 24-30, 2019.
- Palak Jain secured second position in the 2nd Essay competition on law and Economics organised by Centre for Law and Economics, GNLU on April 5, 2019.
- Pruthvirajsinh Zala, a semester third student of Institute of Law participated in the World Bank Youth Summit-2019 at World Bank Headquarters, Washington DC from December 2-3, 2019. The summit witnessed participation of 330 selected delegates from 150 countries. This summit was based on the theme, 'Smart Cities for a Resilient Future'.
- Aadesh Shinde, a third year student bagged the title of "Best Delegate Award" at Sansad, the National Youth Parliament, held at Jawahar Bhavan, New Delhi. The competition was held from January 18-19, 2020. It witnessed 65 participants from all over the country. The theme was "Curbing fake news through legislative measures while ensuring freedom of speech and role of judiciary".
- Aadesh Shinde, a sixth semester student of ILNU has won "The Times of India Torrent Power Public Speaking Contest" held at Ahmedabad Management Association (AMA) on February 26, 2020.
- Ujjawal Bhargav, a third year student has secured first position in National Essay Writing Competition on the theme 'Human Rights as the Principle of Protection of Traditional Knowledge and Indigenous Knowledge'. The competition was organised by IAMR Law College, Ghaziabad on February 18, 2020.
- The team Mission Sangh ARSH in collaboration with INLAW INC & SAFE organised a felicitation ceremony of the 2nd National Essay Writing Competition 2019 on March 4, 2020. The Chief Guest of the event was Justice P B Majmudar, Former Judge, High Court of Gujarat. The event was also graced by Mr Asim Pandya, Senior Advocate, High Court of Gujarat; and Mr Nagesh Sood, Social Activist & Advocate, High Court of Gujarat.

Quiz Achievements

- Harsh Kamdar and Namit Jain, fourth year students, Institute of Law, secured a spot in Top 20 of 1st edition of India Today Quiz hosted by Lallantop organised on September 24, 2019. The first round consisted of 20,000 teams pan India and in second round 81 teams were shortlisted.
- Aadesh Shinde and Devashish Saxena, second year students Institute of Law, secured 2nd Runners up in the Rotarian T S Nanavati Memorial Quiz competition held at Ellisbridge Gymkhana organised by Rotary Club Ahmedabad, September 17, 2019.

Students' Publications

- Yash Mittal (16BAL124); Research Article titled “Non-Performing Assets and the Indian Banking Industry, Addressing Challenges to NPAs Realization” published in Journal of Business Law (NLIU, Bhopal) in its Volume I Issue I, 2019.
- Yash Mittal (16BAL124); Research Article titled “The Indian surveillance framework and the centre’s surveillance order, addressing challenges to individual’s right to privacy” published in Madras Law Journal in its Vol. IV Issue IV bearing ISSN NO: 2347-4351 in 2019.
- Yash Mittal (16BAL124); Article titled “Crippled with many fallacies, an idea of electoral bond scheme is a major jolt to free and fair elections” published in Flair Talk Magazine (AIR Nagpur) bearing ISSN NO: 2349-6649 in 2019.
- Yash Mittal (16BAL124); Article titled “the new education policy must address challenges to improve the standard of primary education” published in the digital edition of the Swarajya Magazine in 2019. <https://swarajyamag.com/politics/the-new-education-policy-must-address-challenges-to-improve-the-standard-of-primaryeducation>.
- Vishesh Gupta (18BBL118) and Priyam Raval (18BBL032); Research Paper published in June 2019 in ISBN Anusandhan by Indore Institute of Law, Indore, Co-authored the research paper.
- Rubel Bharej has co-authored an article titled “Sabka Vishwas - Legacy Dispute Resolution Scheme, 2019”. The article was also introduced in the Finance Act, 2019 and the same has been published on TAXMANN website as well as their latest edition of CPT magazine on August 26, 2019.
- Ravleen Chhabra, Semester IX: Published the blog titled "Equality of Arms: Difference in Interpretations of the adhoc Tribunals and European Court of Human Rights" in Cambridge International Law Journal in September 2019.
- Ms Ashwini Gehlot and Mr Aklovya Panwar, IX semester got selected for the publication of their works titled “Deconstructing Intermediary Liability in Trademark Infringement under the Indian Laws” and “Brexit and the Future of India-UK Ties” in the Oxford Journal of Intellectual Property Law & Practice and Oxford University Politics Blog (OxPol), December 2019.
- The paper written by Mr Jaiminkumar Joshi, PhD scholar, under the guidance of Dr Madhuri Parikh, has been published in a book titled "Environmental Justice Through Sustainable Water Resource Management: Issues, Challenges and Solutions" [with ISBN no. 978-81-921285-7-3] as Chapter 16, Chapter name Water Resource Management in India and The Role of National Green Tribunal: A Critical Analysis published by Department of Law, University of North Bengal, December 2019.

Participation/Presentation

- Ritvik Jha (Roll No 18BAL049) presented a Research Paper on Conciliation in International Environmental Disputes at 1st International Conference on Alternative Dispute resolution, Indore. Also the paper was further shortlisted for publication in the Special Edition of the online Journal - Udgam Vigyati; ISSN No.:- 2455-2488.
- Priyam Raval (Roll No 18BBL032) and Vishesh Gupta (Roll No. 18BBL118) participated and presented the paper "Future of Mediation in India: Critical Analysis on the need of Legislation" in 1st International Conference on Alternative Dispute Resolution held on 15-16 June, 2019 at Indore Institute of Law.
- Ms Amulya Nigam [Roll No 19PTPHDL11] presented paper on the topic ‘Dissection of Litigation on Environment Rights in India’ at the 14th India-Japan International Conference on Sustainable Development Goals of United Nations to Transform Our world organised by Biyani group of Colleges, Jaipur on September 23-25, 2019.

- Ms Amulya Nigam[Roll No. 19PTPHDL11] and Dr Madhuri Parikh jointly presented a paper on Student Cognizance of the Concept of Sustainable Development in Jaipur [Rajasthan], at Vivekananda International Conference 2020 on Sustainability, Governance and Responsibility held during January 23-24, 2020 at Vivekananda School of Business Studies, Vivekananda Institute of Professional Studies, Delhi.
- Mr Abhisht Thaker [19PTPHD13] presented paper on Wildlife Protection in the light of Constitutional Principles and Need to change the Paradigm at International Conference on Green Justice: Contemporary Challenges of Environment and Sustainable Development in February 2020 organised by GLS law college Ahmedabad.
- Mr Abhisht Thaker [19PTPHD13] presented paper on ‘Ozone depletion: its effect on wildlife and need to mold legislation’ at two days' National Seminar on “Agenda 2030: India’s Response to Sustainable Development Goals” on September 15-16, 2019 to Celebrate World Ozone Day" organised by Centre of Excellence, under the aegis of University School of Law, Gujarat University September 16, 2019.

Public Interest Litigation

- Pruthvirajsinh Zala, has carved a niche by filing PIL in April 2019 against the two month extension on ban of PUBG, an online video game, in Rajkot. The Rajkot Police lifted the ban, sustaining the PIL filed. The arbitrary grounds on which police arrested kids playing PUBG were challenged as they were violative of fundamental rights guaranteed by the constitution.

- **Value added courses** : 5
- **Student Clubs in the Institutes/University–activities** : 24 Students club activities
- **Sports activities** : 12

Foundation Day Cricket Match

A friendly cricket match between the faculties and the students was organised on 19th August, 2019 to mark the 13th Foundation Day of ILNU. Each team comprised of 7 male and 4 female participants. The student’s team won the match and was awarded a gift hamper by the faculties. The faculty’s team praised the game of the students and wished them luck for their upcoming matches representing the institute.

Fresher’s Cup-2019

Fresher’s Cup 2019 was organised from 20-24th August, 2019. This is an event organised exclusively for the 1st year students to encourage them for sports and also for identifying the best players in each game who will be selected in the institute’s team. The event included 9 games which comprised both indoor and outdoor games. Indoor sports that were organised were chess, carom, badminton and table tennis. Outdoor sports were cricket, basketball, football, volleyball, and lawn tennis. One team from each section of 1st year students participated in all the team games and the participation in individual games was open to everyone without any cap on the number of participants from each section. Approximately, a total of 100 students participated in all the games.

Trophies and medals were distributed to all the winners and runners up participants in all the games.

Sports Committee Interviews

The Sports Committee on 27th August, 2019 conducted interviews of all the students who were interested to be member of the committee. The interview panel consisted of the Chairperson and all the core members of the committee. After scrutinizing all the applications and the interviews, the committee selected 15 students apart from the core members to be the part of the Sports Committee. Mr Guru Siradhana (3rd Year) was selected as the secretary of the committee.

Annual Sports Meet-2019

Every year Nirma University organises an Annual Sports Meet which includes all the Track and Field events and is competed by all the 8 institutes for the glory of sports and for the glory of their institute. The Annual Sports Meet 2019 was hosted by ILNU.

The Chief Guest for this year's sports meet was Mr Rudra Pratap Singh, former cricketer, Indian National Cricket Team. The event started with a march past which was led by the NCC unit of Nirma University followed by all the participating institutes. The Chief Guest then addressed the gathering and announced the sports meet open.

The track and field events at the institute level were to be organised on 25-26th September and the inter-institute level games on 27th September. Due to the bad weather conditions the events scheduled only on 25th September could be organized and the other events were postponed.

The remaining events were organised on 11-12th February, 2020. Overall, ILNU won 3 Gold Medals, 5 Silver Medals and 8 Bronze Medals and scored a total of 38 points to be considered for the overall championship.

Inter-Institute Cricket Tournament

The Inter-Institute Cricket Tournament of Nirma University for the year 2019-20 was hosted by ILNU during 21-24th October, 2019. The Sports Committee, ILNU made arrangements for all the equipment, ground marking, and drinking water facility in advance. All the 8 institutes participated in the boy's category, while the girls category matches were cancelled due to not meeting the criteria of minimum 3 participating institutes. The umpires called for the matches were from the Central Board of Cricket, Ahmedabad (CBCA) which is a district association affiliated by the Gujarat Cricket Association (GCA). The final match was played between IAPNU and ITNU in which ITNU emerged as the champions.

Semester Cup 2019

The first of its kind Semester Cup was organized from 14-24th November, 2019. It was an inter batch tournament where one team from each semester participated in a total of 9 games in both boys and girls category. A unique point system was introduced wherein the winner gets 5 points, the runner up gets 3 points and non participation in any event had a penalty of -2 (minus two) points. The event was a huge success and saw participation of more than 200 distinct players from across the semesters. The felicitation ceremony was organised on 28th November, 2019. The occasion was graced by the Dean & Director of ILNU Prof (Dr) Purvi Pokhariyal, Dr Tarkesh Molia, Dr Bishwa Dash among others. The winners and runner ups were awarded with medals. The batch of 2016-21 (4th Year) won the overall championship trophy by scoring a total of 56 points while the batch of 2019-20 (1st Year) stood second by scoring 30 points.

ILNU Open Snooker Tournament

The first edition of the ILNU Open Snooker Tournament brought smiles on the face of Billiards enthusiasts. The event was conducted on 12th November, 2019, at Brake Point Pool gaming Zone, opposite Nirma University. The tournament featured three disciplines of Snooker, Singles, Snooker doubles, and 8 ball pool. Dr Bishwa Dash inaugurated the tournament by hitting the first shot of the day. 8 ball pool matches were played on standard size pool table and snooker matches were played at master snooker table. The tournament witnessed active participation of around 50 participants. The winners were awarded with the cash prize.

Inter-Institute Tug of War Competition

The Inter-Institute Tug of War Tournament of Nirma University for the year 2019-20 was hosted by ILNU on 6th March, 2020. The event saw participation from all the institutes of the university in both

boys and girls category. ILNU emerged as the winners of the competition in both the boys and girls category.

Outside Competitions

The sports teams of ILNU participated in various sports fests & competitions outside the university. The players from ILNU participated in sports fests organised by IIM Ahmedabad, DAIICT, Gandhinagar, GNLU Gandhinagar, PDPU, Gandhinagar, GLS Law Society, Ahmedabad and ADANI Institute of Infrastructure Engineering, Gandhinagar. It was also for the very first time that the institute's Volleyball Team participated in competitions held outside the university.

A contingent comprising of a total of 50 players participated in 8 games in "Justice League'20", the Annual Sports Fest of GNLU. In this fest, Rajvardhan S Raghuvanshi (4th Year) bagged a Gold Medal in Javelin Throw and a Bronze Medal in Triple Jump, while Yogesh Aggarwal (1st Year) bagged a Silver Medal in High Jump competition.

• Youth welfare and cultural activities : 6

Celebration of Hindi Diwas

The Institute of Law celebrated Hindi Diwas on September 16, 2019 acknowledging the rich and diverse Indian culture, and the importance of a language in any culture. The main aim of celebrating this day was to acknowledge the national language of the country. All the students were dressed in Indian Traditional clothes. An event "Syaahi" was organised, wherein the students were given a platform to showcase their talents and to express themselves through their poems in Hindi. The celebration was a tribute to the national language, rich culture and tradition.

SPIC MACAY

The Institute organized the SPIC MACAY event on the April 06, 2019. The Society for the Promotion of Indian Classical Music and Culture Amongst Youth (SPIC MACAY) is a voluntary youth movement which promotes intangible aspects of Indian cultural heritage by promoting Indian classical music, classical dance, folk music, yoga, meditation, crafts and other aspects of Indian culture; it is a movement with chapters in over 300 towns all over the world.

Melange

The Students Welfare Board (SWB), Institute of Law, Nirma University organised the Annual Cultural programme, Melange on August 30, 2019. The aim of this cultural event is to provide the new batch a platform to showcase their talent and to give them a moment of relaxation amidst all the academic chores. There were three broad categories under which the performances were invited i.e. Music, dance and drama. Under these three categories the event witnessed a total participation of 20 juniors and 5 special performances by the senior students.

Fresher's Party

The Student Welfare Board (SWB), Institute of Law, organised the Fresher's Party on August 08, 2019. The event was planned with a purpose to give the new batch a memorable welcome to the Institute. The event saw a turnout of more than 350 people including the fresher's, senior batches, the faculty and the staff members.

Aashayein – A Musical Event

The Music Committee of Institute of Law, Nirma University, in collaboration with the NSS, organized Aashayein, a musical evening for the orphaned children at Gokul Ashramshala, Ognaj, Ahmedabad on October 5, 2019. The members of the committee performed for the children and the children danced along the tunes of the Bollywood music. The event also witnessed some of the children displaying their musical talent.

Tangerine 6.0

The Music Committee, ILNU in collaboration with NSS Unit and Karnavati University organised its flagship event “Tangerine 6.0” on November 28, 2019. The programme was held at City Pulse Cinema, Gandhinagar. The event witnessed a series of performance of 20 songs. The audience enjoyed the evening.

- Number of extracurricular activities organized in collaboration with other agencies on Campus
- **Performance in Sport activities**

The following is the data of the total participation of ILNU students in all the in-house events conducted by Sports Committee in the year 2019-20. The total participation of players has increased by 85% from 606 players in 2018-19 to 1120 players in 2019-20. The highlight of the data is the total girl’s participation which has increased by a whopping 145% from 131 players in 2018-19 to 322 players in 2019-20.

Sports Participation* in the year 2019-20

Sr. No.	Events	Participation		Total
		Boys	Girls	
1	Foundation Day Cricket Match	07	04	11
2	Fresher’s Cup	220	80	300
3	Semester Cup	300	100	400
4	Snooker & Pool Tournament	40	NIL	40
5	Inter-Institute Annual Athletic Meet	26	24	50
6	Inter-Institute Team Events	80	45	125
TOTAL		673	253	926

*Note: These numbers indicate the total participation and not the distinct players.

. Alumni Association – activities supporting students

- ✓ Alumni meet organised at Mumbai on February 27, 2020 and Jaipur on February 29, 2020.
- ✓ The Alumni Association extended financial support to the students for the medical treatment.
- ✓ A separate alumni fund created for the welfare of the students for the medical purpose.
- ✓ **Activities of Guidance & Counselling unit**

Session conducted by Campus Recruitment Cell, ILNU

An interactive session on career insights was hosted by Campus Recruitment Cell ILNU on October 11, 2019. The main objective of this session was to help students in identifying their real potential in a highly dynamic legal field and make informed choices. The speakers for the sessions were Mr Abhishek Sinha, Founder of NotJustLex, and Mr Siddharth Bapna, an alumnus of the 2015 batch.

Learner’s Moot

The Learner’s Moot Court Competition was organised on September 21-22, 2019 at the Institute of Law. This competition was conducted for the students admitted for the first year Batch 2019.

Study Tour

The students of Biodiversity Law went on a study tour to Polo Forest on September 10, 2019. The tour was aimed to sensitise the students of the biological resources and the rules and regulations that are providing necessary safeguards.

Placement services to students

The Campus Recruitment Committee of Institute of Law hosted a one hour session by International Internships for Indian Students (AIESEC) on September 25, 2019. The speaker of the event Mr Priyam Shah, Vice President-Student Sector, AIESEC, Ahmedabad delivered a talk on how AIESEC can help students to grow disruptively in the global market by providing a platform to explore leadership qualities, explore the country, and have a certificate provided from AIESEC once he/she completes the exchange.

Placement Activities

Seminar by Ms Akanksha Antil

The Campus Recruitment Cell of Institute of Law hosted Ms Akanksha Antil, founder of "To whom it may concern", for training and conducting mock interviews of the students from November 12, 2019 to November 30, 2019. She also conducted a session on "Turning internships into PPO".

Training Sessions

The Campus Recruitment Committee (CRC) hosted a one hour session by Mr Sachin Malhan on November 7, 2019 at the Institute.

CRC hosted a one hour session by Ms Sanjana Mannadiar, Regional Manager, The University of Law UK, Mumbai, November 15, 2019.

Workshop on Contract Drafting

The Campus Recruitment Cell of Institute of Law organised a workshop on contract drafting. The seminar was held on February 25, 2020 by Mr Abhishek Sinha, founder of NotJustLex. Mr. Sinha explained students about the nuances of drafting of contracts. The session was attended by the students of second and third year.

Session on Blockchain and cryptocurrency technology

Mr Ramanuj Mukherjee, Founder and CEO, iPleaders conducted a session on Blockchain and cryptocurrency technology and career orientation on February 11, 2020.

Library Activities

- April 06, 2019 - Talk on 'Learning from Mooting' – Winning in Competition Law: CCI NLU-D Moot Court Competition, 2019'
- April 25, 2019 – Books Show, Library Treasure –Books You Missed to Read
- May 01, 2019 – Books Show, Library Treasure on the occasion of 'Gujarat Sthapna Diwas'
- May 20, 2019 - Books Show, Library Treasure –Books You Missed to Read
- Library Treasure – 'Book You Missed to Read' was organised on August 05, 2019. Library Week was celebrated from August 13 to 17, 2019. As part of this celebration, a Quiz Programme titled 'Blind Date with Book' was organised. Winners of "Library Week Celebration - Quizzing on our Library".
- ILNU Library organised Library Treasure on February 12, 2020 and displayed books you missed to read.
- Library Treasure organised on February 20, 2020 and displayed books on Social Justice as part of celebration of World Day of Social Justice 2020.
- As part of Library activity, A Book Review on Antitrust Law and Economics by Keith N Hylton was done by Ojasvi Mishra on February 25, 2020 at the Library.
- ILNU Library celebrated the International Mother Language Day by organising display of books on the same on March 2, 2020.
- Library Treasure organised on March 3, 2020 and displayed books on World Wildlife Day and Environmental Law.

Institute
of
Architecture & Planning

Institute of Architecture & Planning

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Short summary and highlights of Outstanding Achievements and important activities

Executive summary:

The institute of Architecture and planning has grown manifold since its inception during the last five years and has created niche in the Architecture and Planning Education at national and international forums. The Institute of Architecture and Planning, Nirma University participated in the 62nd Zonal Annual NASA (National Association of Students of Architecture) and was awarded 'Citation' (Winner) in that category and was judged as **the best college for academic excellence**. Institute of Architecture and Planning, Nirma University along with GIFTCL collaborated with Innovative Governance of Large Urban System (IGLUS) – an action research platform of École Polytechnique Fédérale de Lausanne (EPFL), Switzerland to establish "IGLUS Centre of Excellence (ICE)". Prof. Utpal Sharma visited Australia in September 2019 under the LaTrobe Asia Fellowship programme funded by Government of Australia, as a visiting research scholar at Latrobe University. New collaborations and MoU's are also signed with West Attica (UNIWA), Greece and La Trobe University, Australia. Dr. Utpal Sharma received the prestigious Devang Mehta National Education Award for education leadership at Mumbai on November 22, 2019. An International Conference on Future Cities (ICFC 2019) was Hosted by IIT Roorkee in collaboration with IAPNU on December 13 to 15, 2019. Nantes Graduate School of Architecture branch located in Mauritius, Campus Pierrefonds invited Prof. Vibha Gajjar from IAPNU for TRANSVERSAL SEMINAR from November 18 to 25, 2019 planned for students of Master's in Architecture and Urbanism. The Institute of Architecture and Planning, Nirma University is currently doing a consultancy project in collaboration with the Gujarat Institute of development Research (GIDR), Ahmedabad for the National Centre for Sustainable Coastal Management (NCSCM), Chennai – a nodal agency under the Ministry of Environment, Forest and Climate Change (MoEFCC), Government of India (GoI). Prof. Utpal Sharma is the Project Advisor while, Dr. Aparna is the Principle Investigator. The first batch of Architecture students have already convoked in the year 2019 and more than 30% have taken admission in masters at national and international level. Our students are making a mark at international level and one of our student named Jay Patel studying in New York University was awarded "Student life award for Outstanding Graduate student of the Year at NYIT for year 2019-20.

- **Celebration of 6th Foundation Day:** The Institute of Architecture and Planning celebrated its 6th Foundation Day on August 19, 2019. Dr D S Meshram, President, ITPI was the Chief guest, Prof P V K Rameshwar, practising Architect, Urban designer and academician, and Dr Salila Vanka, Professor at RV College of Architecture, Bengaluru were the keynote speakers. Shri Pradeep Kapoor, Secretary-General, ITPI, Shri N K Patel, Chairman, ITPI Gujarat Chapter and eminent people from the Nirma University, Shri K K Patel, Vice-President and Dr Anup K Singh, Director General also graced the occasion.
- **First batch of 2014 convoked in the year 2019:** The Alumni Association named as Nirma Institute of Architecture & Planning, Alumni Association (NIAPAA) is formed and the registration

is under process. The Institute along with faculty members are in touch with all of them. The graduate students are regularly invited to the Institute's festivals, talks and expert lectures. Few of the local students are also helping the Institute in Related Study Programmes and Consultancy Projects.

- **Achievement in NASA:** The Institute of Architecture and Planning, Nirma University participated in the 62nd Zonal Annual NASA (National Association of Students of Architecture) held at Amity University, Mumbai from September 20-22, 2019. There were representation of various colleges from Gujarat, Madhya Pradesh, Maharashtra in this zone. Our Institute participated for the first time in 'Reubens' Trophy and was awarded 'Citation' (Winner) in that category and was judged the best college for academic excellence. The Citation was shared by SCET, Surat. Winning Reubens Trophy in the first attempt is very commendable and is a very important milestone for the institute.
- **Setting up of Centre of Excellence, Smart Cities:** Institute of Architecture and Planning, Nirma University along with GIFTCL collaborated with Innovative Governance of Large Urban System (IGLUS) – an action research platform of École Polytechnique Fédérale de Lausanne (EPFL), Switzerland to establish "IGLUS Centre of Excellence (ICE)" a Smart City Lab with support from Government of Gujarat. The MoU was signed by the three organisations on 27th January 2020 at GIFT City Gandhinagar.
- **MoUs:** Institute of Architecture and Planning, Nirma University signed 3 MoUs in the Academic year 2019-20 including:
 - i. MoU with University of West Attica (UNIWA), Greece
 - ii. MoU with GIFTCL, Gandhinagar & IGLUS-EPFL, Switzerland (Gujarat International Finance Tec City Company Limited & Innovative Governance of Large Urban System)
 - iii. La Trobe University, Australia
- **World Habitat Day celebration by the IAPNU:** The Institute of Architecture and Planning celebrated World Habitat Day on October 10, 2019. The Institute invited Ar Vinod Gupa and Ar Lalit Kishor Bhati as Chief Guests for the occasion.
- **La Trobe Asia fellowship:** Prof Utpal Sharma visited Australia in September 2019 under the LaTrobe Asia Fellowship programme funded by Government of Australia, as a visiting research scholar at Latrobe University. At La Trobe (Melbourne), he delivered lectures on Vulnerability of Walled city of Ahmedabad at a faculty colloquium and got engaged in Studio projects of students at La Trope University. A joint research project and publication is ongoing on revitalisation of historic city of Ahmedabad.
- At Bendigo campus of La Trobe University, Prof Utpal Sharma took part in a Seminar on the topic of 'Urban Sprawl' focusing on India and Sri Lanka along with professors from University of Moratuwa, Sri Lanka. He also participated in a discussion in Rural Planning studio of the Regional planning programme.
- The Australia-India Institute located in Melbourne invited Prof Sharma for a public presentation on "Liveability of Indian Cities and Smart Cities Network". A reciprocal visit to University of

New South Wales & UNSW, Sydney was conducted to discuss possibilities of academic collaborations. At UNSW, Prof Sharma participated in a university level seminar on Goal Based Approach to Planning of Mega cities.

- The Dewang Mehta National Education Awards is India's prestigious Education Awards which are held as a part of World Education Congress. Head of the Institute IAPNU, Dr Utpal Sharma received the prestigious Devang Mehta National Education Award for education leadership at Mumbai on November 22, 2019.
- **Lecture series at Mauritius:** Nantes Graduate School of Architecture branch located in Mauritius, Campus Pierrefonds invited Prof Vibha Gajjar from IAPNU for Transversal Seminar from November 18 to 25, 2019 planned for students of Master's in Architecture and Urbanism. This included lectures, workshops, identified research topics, and future proposals for academic activities. As a part of the programme, she took a lecture series on Urban History and Vernacular Architecture. She also took Progress Reviews of Projects on various topics for Masters Students. It was funded by Unicity Education hub, Government of France. Her contribution becomes the starting point for future collaboration with the Institute. This programme will lead to significant knowledge exchange between the two schools in the coming future.
- **Collaborative project at IAPNU with Gujarat Institute of Development Research (GIDR), Ahmedabad:** The Institute of Architecture and Planning, Nirma University is doing a consultancy project in collaboration with the Gujarat Institute of development Research (GIDR), Ahmedabad for the National Centre for Sustainable Coastal Management (NCSCM), Chennai – a nodal agency under the Ministry of Environment, Forest and Climate Change (MoEFCC), Government of India. Prof Utpal Sharma is the Advisor while, Dr Aparna is the Principle Investigator of this project worth INR 10.4 lakhs for the IAPNU.
- **International Conference on Future Cities (ICFC 2019)** - Hosted by IIT Roorkee in collaboration with IAPNU on December 13 to 15, 2019.
- **Documentation of World Heritage City, Ahmedabad:** A Related Study Programme (RSP) is an important component of Architectural education at IAPNU. RSPs are focused on documentation of culturally charged spaces, traditional articulations, vernacular dwellings, climatic responses, efficient resource use, societal representations, environmental organisations, local technologies, regional varieties, etc. RSP 2019-20 was conducted in Khadia ward no-1&2 near Astodia Darwaja in the historic walled city of Ahmedabad, as a response to Ahmedabad walled city being declared a **UNESCO world heritage site**. 1st, 2nd and 3rd year students of IAPNU worked in groups under guidance of their faculties from December 16, 2020 to January 5, 2020 to do measure drawing and photographic documentation of above mentioned traditional house form of Khadia and around Dhal Ni Pol, Jadabhai Ni Pol, Khara Kua Ni Pol, Shamla Ni Pol, Aka Sheth Kua Ni Pol, Upali Sheri, Nichali Sheri, Wad Ni Pol, Kanchwado, Galiaras Ni Pol, Narsinhji Ni Pol, Bauva ni Pol, Mahadevwalo Khahncho, Pipardi ni Pol, Lamba Pada ni Pol, Bado Pol, etc.

Dignitaries visited:

- Dr D S Meshram shared his professional experience in the field of architecture and planning as a part of orientation programme to the students on 19 August, 2019.

- Prof P V K Rameshwar, Professor and Head, Masters Programme in Urban Design, Faculty of Architecture, CEPT University, Ahmedabad gave lecture on “Local Modernity: And the Urban Design Agenda” on 19 August, 2019.
- Dr Salila Vanka, Assistant professor from RV College of Architecture Bengaluru talked about the typology of open spaces in the Indian Context, citing various examples from Bengaluru city on 19 August, 2019.
- Dr Vinod Gupta who has been working on environment friendly, energy efficient green architecture, talked on ‘How can architects contribute towards sustainable design in the present condition’. The lecture was organised as a part of World Habitat Day celebration on October 10, 2019.
- Ar Lalit Kishor Bhati gave a session on ‘Auroville-Campus as a Living Curriculum’. He has been living and working in Auroville for past 20 years and engaged in diverse planning and educational activities with students, faculty members and researchers from different institutions from within India and abroad. The lecture was organised as a part of World Habitat Day celebration on October 10, 2019.
- Prof Jaimini Mehta, who studied and worked under Louis Kahn gave a session on “Modernity and Modernism” on February 10, 2020 as a part of KALP 2020. At present he is the Hon. Director of Centre for the Study of Urbanism and Architecture (CESURA).
- “Abhikram”, a renowned architectural firm run by Late Ar Nimesh Patel and Ar Parul Zaveri, celebrated it’s architectural journey on December 21, 2019, in collaboration with Institute of Architecture and Planning with its vision, story and its people. Shri B V Doshi was the guest of honour at the event. The Founder Ar Parul Zaveri shared their experiences and continued the momentum around sustainability and commitment to Indian heritage. The event had couple of Panel discussion on Revival of Cultural Heritage, Conservation & Adaptive Re-Use, with patrons, Sustainable Building and Passive Cooling Systems using Traditional Knowledge & Materials, with Patrons, and Main streaming Traditional Crafts and Restoring, Livelihood, with Craftsmen/Heritage Contractors which was moderated by Ms Mallika Sarabhai, Mr Rajan Rawal, Ms Rima Hooja respectively.
- As a part of KALP 2020 on February 11, 2020 IAPNU had panel discussion on “A Future of Architectural Education”. Ar Jayesh Hirani, Ar Rajeev Katpalia, Ar Riyaz Taiyabji and Prof Anil Roy were the panellist. The discussion was moderated by Prof Neelkanth Chhaya.
- Dr Amarjeet Singh, chairman of RERA, Gujarat shared his valuable thoughts on “Real Estate Development in India” on February 12, 2020 the last day of KALP celebration.
- Prof Jamal Ansari, former professor at School of Planning and Architecture, Delhi shared his experiences in “Master plan development of Noida and Greater Noida” on February 12, 2020 the last day of KALP celebration.
- Lt Gen Vishwambhar Singh, a three-star general of the Indian army who is an architect and senior from IIT Roorkee made a stimulating presentation on “The Role of an Architect in the Indian army” on February 12, 2020 the last day of KALP celebration.
- Dr. Jagdish Gandhi, who is an Ecologist environmentalist, numismatist, photographer, heritage activist and researcher in ancient Indian Sciences gave a session on "The Saraswati Civilization:

Architecture -Town Planning -Water Management" on February 20, 2020.

- Prof Karl Zankl, professor at Technical University Munich, gave a lecture on “Heritage Conservation in Germany” on March 3, 2020.

Workshops / Seminars:

- A session on “My security my responsibility” was held on September 6, 2019 by the IAPNU for all female faculty members and students. The session was commenced by Pradeep Seth, President of Gujarat Chapter of Fire and Safety Association of India and then further headed by Ms Veena Gupta, founder of Seam Group Services and a member of Fire and Security Association of India.
- On January 28, 2020, the IGLUS COE initiated its activities by organising a Workshop on Planning for Sustainable and Smart Cities in India at Institute of Architecture and Planning Nirma University (IAPNU). It was widely attended by experts, professionals and academia in the fields of environment, governance, management, finance, social and informal sector, transportation, infrastructure, real estate and town planning.
- Anne Vilsbøll, a Danish painter and author, professor of Art and History and learnt paper making at colleges of art in the USA conducted two days workshop on ‘Paper in future’ during March 2 and 3, 2020. The workshop involved learning from some of the her works and her incredible experience of 30 years with paper making, a visit to Kalamkush (Gandhi ashram paper making unit) and exploring paper in a completely new way.

I- Curricular Aspects:

The overall Curriculum is designed to train students for modern-day Architecture and planning practice. More of Hands-on approach to teaching is inculcated as a design pedagogy. Healthy mix of Interactive studio-based learning, theory based lectures and skill building workshops makes the strong base and foundation of Architectural curriculum.

The overall curriculum was revised as per the mandate of Council of Architecture and overall credits and teaching hours were aligned in new proposed TES. The revision consists of the following aspects:-

1. Revision in Overall credit and teaching hours in each semester to balance the workload and maximise the output of students.
2. Revision in the TES and Syllabi of **Semester -I** of BArch programme, to be made effective for the students to be admitted from academic year 2020-21 onwards.
3. Revision in the curriculum of BArch programme by introducing new Programme Structure along with TES and Syllabi of **Semester-III** and **IV** of BArch programme in pursuance to the draft guidelines provided by Council of Architecture under minimum standards of Architectural Education Regulations- 2017, to be made effective for the students to be registered in Semester-III of academic year 2020-21 onwards.
4. Shifting of the Professional Training (Practical training) from 8th semester (as per previous TES Scheme) to 7th semester, so that three semester are linked better in continuation and also in alignment of the inclusion of the Minor in Urban Planning to be introduced from academic year 2020 onwards. However, in view of the current situation of COVID 19 for the students registering in the academic year 2020 in the 7th semester, the practical training will be happening in semester 8.

5. Amendment in elective(s) offered to the students to be registered in Semester-VII from academic year 2020-21 onwards due to updation in course code, credit and examination scheme.
6. Amalgamation /re-appropriation of elective courses in semester 7, 9 and 10 for better synthesis between and across the semester.
7. Introduction of Minor in the field of “Urban Planning” for enrichment of knowledge in specialised field. This minor will be available to students of Architecture and students of Civil Engineering as well.

Faculty completed/pursuing PhD

8 faculty members are currently pursuing PhD, namely, Prof Vibha Gajjar, Prof Pratima Singh, Prof Dhaval Chauhan, Prof Ankit Kumar, Prof Rahul Shukla, Prof Pratyosh Madhavi, Prof Shweta Suhane and Prof Purvi Jadav.

Innovation in Teaching - learning & evaluation.

1. Studio NID#C

As part of the week-long, semester-end studio juries held from November 11 to 16, 2019, Institution Studio (**Studio- V**) had their juries on November 14, 2019 at Shilpgram Campus in Udaipur. The Jurors comprised of a diverse panel of academician, architects, artisans and craftsman, from Ahmedabad and Udaipur. They critiqued the work of students by bringing in diverse perspectives on arts & crafts, architecture and industry. The project of the Studio - NID#C - interwove the fabric of tradition and contemporary together to empower the local artisans, this building up on a new pedagogy of design and crafts education.

(Studio faculty- Deval Gandhi, Ashish Tiwari, Jitesh Mewada, Sneha Ramani)

2. IAPNU-SCET Joint Urban Context Studio, Semester VII, 2019

A joint Urban Context Studio was conducted by IAPNU and SCET wherein a total of 40 students from both institutes collaborated for Architectural Design Studio in Semester VII. The studio was conducted by Ar Vishal Shah from SCET and Ar Jitendra Menghani and Ar Manoj Joshi from IAPNU. In the semester long studio, students engaged in issues of designing for urban redevelopment and proposed a master plan for 3 sites around Malek Saban lake in Bapunagar, Ahmedabad and defunct mill compounds near railway station in Surat. The aim of the studio was to sensitise students to the design of urban environments and precincts responsive and integral to the larger context of the City. Through substantial work and effort, objectives of the collaborative studio were accomplished; which was, to have an insight into design approaches of both institutes, to co-create design ideas and mandates, to witness different designs emerge out of similar concerns and to make individual design contributions which are meaningful and appropriate for the urban environment and community.

3. Digital Design Studio - BArch Semester VII

The studio aimed at creating an urban design solution to the problems related to area around Gandhi Ashram in Ahmedabad. The solutions were digitally oriented using parametric software. The analysis of the site and conditions led to the development of scenarios that could be tested digitally to check their efficacy. The proposals could be continuously tinkered with to evolve better solutions.

(Studio faculty – Prof Dhaval Chauhan, Prof Arpi Maheshwari, Prof Manan Singhal & Prof Radhika)

4. Urban Community Development Centre - BArch Semester V

The “Urban Community Development” centre is a government aided centre located in all cities across India. The project was to design a UCD centre for a neighbourhood located in a city of Ahmedabad. The purpose of an Urban Development Centre is to facilitate a growth and development of growing neighborhood in all spheres of life. A UCD centre shares a myriad of shared responsibilities and also serves context specific purpose. It caters to all the social hierarchies to facilitate social upliftment and growth. As part of UCD centre there are various proposed activities that are generic and context specific. Each UCD centre work with their local community to understand their needs and provide opportunities for various activities that can make them economically and socially independent. The aim of the project was to closely study the neighborhood, understand its relevant needs and propose a UCD centre for the overall development of neighborhood. This real life project was proposed for the students to begin their journey towards becoming not only “responsible architects” but also “aware citizens” who will build the future of the country.

(Studio Faculty – Prof Vibha Gajjar, Prof Foram Bhavsar, Prof Geeta Shah & Prof Gunjaraia)

II- Teaching-Learning and Evaluation

Number of faculty development programmes availed by the faculty members

Faculty members who successfully completed a 4 week Induction Programme in May-June 2019 are Mr Ankit Kumar, Mr Paritosh Kumar, Ms Digisha Mehta, Ms Prachi Patel and Ms Tanaya Deka.

Faculty members who successfully completed a 2 week Teacher training Programme ‘Design Charrette, Urban Housing’ organised by IAPNU are Dr Aparna, Dr Swati Kothary, Ms Purvi Jadav, Ms Pratyosh Madhavi, Ms Pratima Singh, Mr Nishant Kansagra, Mr Dhaval Chauhan, Mr Parag Mistry, Mr Sujan Umraniya, Ms Shweta Suhane, Ms Foram Bhavsar, Ms Digisha Mehta, Ms Prachi Patel, Mr Ankit Kumar, Mr Paritosh Kumar and Mr Ratnil Shrivastav from 24th June to 6th July 2019.

Mr Krishna Kumar Yadav successfully completed a 15 days Refresher Course from 31st October to 14th November 2019, Faculty Development Programme organised by UGC Refresher Course CPDHE University of Delhi, India.

Ms Foram Bhavsar, Mr Sujan Umraniya and Mr Parag Mistry attended a two day Research Symposium organised by CEPT University on 24th and 25th February 2020.

Number of faculty development programmes organized by the Institute: 1 (2 week Teacher training Programme from 24th June to 6th July 2019 - ‘Design Charrette, Urban Housing’ organised by IAPNU)

III.- Research, Consultancy and Extension

Research Projects

Research projects

a) Major Research Project funded by external agency during:

Financial Year	Ongoing	
	Number	Amount in Lac
2019-20	2	21.33
2018-19	1	10.59

b) Minor Research Project funded by Nirma University during:

Financial Year	Completed		Ongoing		Sanctioned	
	Number	Amount in Lac	Number	Amount in Lac	Number	Amount in Lac
2019-20	1	1.00	-	-	2	1.70
2018-19	-	-	-	-	01	1.00

c) Minor Research Project funded by external agencies during:

Financial Year	Completed		Ongoing		Sanctioned	
	Number	Amount in Lac	Number	Amount in Lac	Number	Amount in Lac
2019-20	2	2.20				
2018-19	-	-	1	1.05	1	1.15

Ongoing Major Research Projects

Sr. No.	Title of the Project	Project Investigator/s	Funding Agency	Grant (in ₹)
1	Residential Building Energy Demand Reduction in India (Reside)	Prof. Utpal Sharma, Prof. Parag Mistry, Prof. Purvi Jadhav	Department of Science & Technology (DST)	10,92,500/-
2	Preparation of DPR for Proposed Projects in Puducherry and Kerala under Encore Programme	Prof. Aparna	National Centre for Sustainable Coastal Management (NCSCM) and Gujarat Institute of Development Research (GIDR)	10,40,000/-
Total Grant				21,32,500/-

Minor Research Projects

Completed Minor Research Projects

Sr. No.	Title of the Project	Project Investigator/s	Funding Agency	Grant (in ₹)
1	Impact of Industrialization, Mining, Urbanisation on Biodiversity in Select Blocks of Gujarat	Prof. Pratima Singh	Raman Development Consultants through GEC	1,05,000/-
2	Affordable Housing: A Comparative Analysis of Protects in Ahmedabad	Prof. Pratima Singh	Institute of Town Planners, India	1,15,000/-
3	Baseline Assessment for Identifying the Green Quotient for the Campus	Prof. Shweta Suhane, Prof. Foram Bhavsar	Nirma University	1,00,000/-
Total Grant				3,20,000/-

Sanctioned Minor Research Projects

Sr. No.	Title of the Project	Project Investigator/s	Funding Agency	Grant (in ₹)
1	Frame Work for Safe Evacuation of Elderly During Fire in High Rise Residential Building in India	Prof. Prachi Patel, Prof. Ankit Kumar	Nirma University	90,000/-
2	Permeability and Social Networking Within Neighbourhoods of Ahmedabad	Prof. Digisha Mehta, Prof. Madhvi Pratyosh	Nirma University	80,000/-
Total Grant				1,70,000/-

Number of Teachers allowed participation in National /International Conference based on the acceptance of Research Paper

Financial Year	National Conference		International Conference	
	Number of Teachers	Amount incurred	Number of Teachers	Amount incurred
2019-20	6	361904	15	58878
2018-19	4	300285	-	-

Awards and Recognitions (Institute/Department/Faculty)

Prof Utpal Sharma received following awards:

Dr APJ Abdul Kalam Education Excellence Award from Indian Solidarity Council, New Delhi on 16th April 2019.

Bharat Nirman Award for Education Excellence” from Promoting Achievements Foundation, New Delhi on 30th June 2019.

Dr S Radhakrishnan Shiksha Samman Puraskar from Achievers Association for Health & Educational Growth, New Delhi on 14th October 2019.

Devang Mehta National Education Award for education leadership from B-School Affair and Devang Mehta National Education on 22nd November 2019.

Details:

Ongoing Research Collaboration/New collaboration:

Prof Utpal Sharma, Principal Investigator and Prof Parag Mistry and Prof Purvi Jadav, Co-Investigator are engaged in the research project titled Residential Building Energy demand reduction in India (RESIDE) under Department of Science & Technology (DST).

Revenue Generated in:

Financial Year	Consultancy	Testing	Training	Other (Specify)
2019-20	838654	-	-	92270.25
2018-19	50848	-	-	52558

Extension Activities/Community services by Institute

- NSS unit of IAPNU organised an awareness campaign for general elections 2019 on 11th April 2019 at IAPNU.
- A vector born disease awareness drive was conducted by NSS volunteers and faculty coordinators of IAPNU & IPNU on 20th August 2019.
- As a part of the celebration of Gandhi Jayanti and to pay homage to father of nation on his 150th birth anniversary, Institute of Architecture & Planning and Department of Design in collaboration with Student Welfare Board, Nirma University put up an exhibition panel in the foyer of C Block, Auditorium. The NSS volunteers of IAPNU assisted in organising the poster and collage competition and also participated in the programme. The theme of "Gandhi's ideas in the 21st Century" was expressed in the exhibited panels.
- A 7- day NSS camp was conducted at Dandi village from 23rd to 29th December 2019.
- A workshop for identification of Native trees of Nirma Campus and understanding their importance was conducted on 7th March 2020 by the NSS volunteers of First year BArch and the faculties involved in the NSS. Two experts in the concerned subject - Mr Nagendra Purohit and Ms Jagruti Bhatt were invited for the same.
- A preliminary recce visit was conducted by the NSS faculty coordinators at Vautha village on 25th January 2020.
- A preliminary survey visit of Vautha village was conducted by the first year NSS student volunteers along with the NSS faculty coordinators on 1st February 2020. NSS student volunteers worked on proposals related to Greening of Primary School at Vautha under the 'Green School Project'.
- The students of BPlan (2018-19) batch studied some of the villages (Jamiyatpura, Jaspur and Khodiyar) adopted by Nirma University as part of the Unnat Bharat Abhiyan 2.0 – the flagship programme under the Ministry of Human Resource Development, Government of India. Under the guidance of faculty they prepared and submitted the report to the University which involved basic information about the villages, issues identified and academic proposals prepared. The programme fosters partnerships with the institutes of higher education for supporting rural development. This programme continued for one year and completed in March 2020.

New MoU signed/Collaborative activities done related to MoU/ tie-ups with other organisation

Sr No	Date of MoU Signed	MoU With
1	25/11/2019	University of West Attica (Uniwa), Greece
2	27/01/2020	GIFTCL, Gandhinagar & IGLUS-EPFL, Switzerland (Gujarat International Finance Tec City Company Limited & Innovative Governance of Large Urban System)

3	17/02/2020	La Trobe University, Australia

IV. Infrastructure and Learning Resources:

Library - Learning resources added:

Books (Vol)	3657 (392 Volumes added during the academic year)
Books (Titles)	3136 (367 titles added during the academic year)
E-Books	464 EBSCO Online Journals - 3 Computer in Library for access
Periodicals (Print)	16 Print
Periodicals	16 Print + 464 EBSCO Online Journals
Online Journals Packages	464 EBSCO Online Journals
Newspapers	Total 8 (None added in 2019-20)
Electronic Media	137 (None added in 2019-20)
Photo Albums	6 (None added in 2019-20)
Bound Volumes	93 (None added in 2019-20)
Institute Membership	3 (COA, ITPI and Tall Building)

Laboratory facilities: major additions- Total 4 labs. Fab lab added in the year 2019-20

V- Student Support and Progression

Cut-off percentage marks – category wise

BArch & BPlan Admissions

15% NRI/NRI Sponsored Category

Name of Programme	First Merit No	Last Merit No
Bachelor of Architecture	03	28

35% All India Seats

Name of Programme	First Merit No	Last Merit No
Bachelor of Architecture	08	162

ACPC – 50% SEATS

Programme	Merit Rank (ACPC) Category Wise					
	Open		SC		SEBC	
	First	Last	First	Last	First	Last
BArch	84.88	72.076	64.88	63.25	64.615	56.90
	1002	10128	10302	10391	10378	10576
	ST		EWS		Other board/ out state	
	First	Last	First	Last	First	Last
BArch	75.98	69.596	74.45	66.86	82.4	72.83
	10062	10518	10141	20038	3002	30034

Student achievements:

1. Shriraj R Gohil, Alumni of IAPNU is a Practicing Architect & Social Activists. He founded his Architecture Firm Sixth Element Architects in the year 2019 which is working on diverse projects in sectors such as housing, conservation & hospitality. During his final year Shriraj took an initiative to save an important lake in the city of Bhuj. He filed a Public Interest Litigation against the State Government & Local Body who were responsible for encroaching the lake for development purpose. On June 27, 2019 High Court of Gujarat gave order in the favor of Shriraj R Gohil and the lake was saved.
2. Jay Patel, alumni of IAPNU is pursuing Master's in Architecture at New York Institute of Technology, New York with specialisation in Urban and Regional Design. He has received Student life award for Outstanding Graduate student of the Year at NYIT for year 2019-20. He is also a Graduate Assistant with the Department of International and Experiential Education, NYIT, where he also won award for best Graduate assistant for year 2019-20.

Value added courses:

Various value added courses are included with an aim of developing various essential and major skills required in the field of Architecture. Courses related to development of Communication Skills, Design Execution and Installations, Appropriate and Emerging Materials and Technology in Construction, Portfolio Making, Performing Arts, Movie Making, Various Skill Development Courses, Soft Skills for Professionals, etc were conducted.

- Skill Development courses were conducted as part of Value Added Courses for 1st year of Architecture students for developing essential skills like Sketching, rendering and Model making among the students.
- Course - 'Soft Skills For Professionals' was conducted with an aim of helping students to prepare themselves for their professional career, facing personal interviews, improve their communication and professional competency, developing an understanding of their role within a professional organisation and develop better understanding of importance of team dynamics at a workplace.
- Courses related to Performing arts were conducted for students to give them an opportunity to explore and appreciate various fields of performing arts, understand the basic elements of dance, drama and music and practically work on a performance.
- Course - 'Portfolio making' was conducted to impart skills to help students compile their work and present them in the form of a portfolio, including exploration of various related software and printing methods.
- Course - 'Appropriate and Emerging Materials and Technology in Construction' was conducted to introduce students to the various emerging construction technologies and materials in various context and Design and practical hands on application of the same.
- 'Installation Design and Execution' was conducted for students to give them an opportunity to apply knowledge of Design and Construction for Site-specific Installations using materials like Bamboo, Metal, wood, etc.

Number of co-curricular activities organised:

- **Photography and movie making competition : Chhavi, Chhaya, Pratibimb with e-motion :**
The photography competition on Chhavi, Chhaya, Pratibimb and short film competition on e-motion held by IAPANU on January 10, 2020 at Nirma University. Dynamic Participation of students from all the diverse discipline made the whole event very successful. The exhibition of the same was inaugurated by Prof Ashoke Chatterjee, former Director, National Institute of Design, Ahmedabad on January 26, 2020.
- **Annual student festival of IAPNU -‘Kalp 2020’:** Institute of Architecture and Planning, Nirma University successfully conducted their Annual student festival Kalp from February 10 to 12, 2020. The festival started with the opening of the exhibition of student works of the previous semesters. This was then followed by various student fun events and competitions like In-house sports, Treasure hunt, Cyanotype workshop and Kavitra. The second day included events like quiz competition, workshop on landscape and marble art. The day ended with a cultural night.

Student clubs in the Institute:

Sports activities:

Sr No	Name of Activity/Event & Description	Date & Duration	NSS/Social/ Extension Activities Organising Club / Committee	No of student participants		Winner's Name- Event Wise
				M	F	
1	Basket Ball Event Events were organised in two parts, Experts were invited as referees from outside. Five institutes participated in each category.	30th September, 11th November 2019	Sports- Annual Meet Sports committee, IAPNU	60	58	ITNU (M) ILNU (F)
2	Inter College Cricket Cup During KALP 2020, Inter-College Cricket Cup was hosted by Institute of Architecture & Planning for colleges of Architecture, Planning and Design from Ahmedabad. Total 8 teams participated in the event.	10th , 11th ,12th February 2020	Kalp- Students Festival Sports committee, IAPNU	96	-	CEPT XI

Youth Welfare and Cultural Activities:

- Ras-Garba on 19/10/2019

IAPNU was given the co-responsibility of decorations for the Ras-Garba RAMZAT event. Students from IAPNU and DoD enthusiastically participated to make the venue enjoyable and the event successful.

- **Celebration of Ganesh Chaturthi on 2/09/2019**

The students of IAPNU celebrated the spirit of Ganesh Chaturthi starting from on 2nd September, 2019 in the IAPNU Courtyard. Following the worship of Lord Ganesha by the IAPNU Family, in the playful spirit of Ganesh Chaturthi, all the batches formed groups that participated in the celebration.

- **Celebration of Institute Level Festival KALP**

Annual student festival Kalp organised from February 10 to 12, 2020 started with the opening of the exhibition of student works of the previous semesters. It was followed by various student fun events and competitions like In-house sports, Treasure hunt, Cyanotype workshop and Kavitra. The second day was followed by events like quiz competition, workshop on landscape and marble art. The day ended with a cultural night.

Number of extracurricular activities organised in collaboration with other agencies on campus:

Cartooning Competition, Collage making competition, On-the spot painting, poster making, Rangoli Competition, Face Painting Competition, Mehndi Competition, etc were organised by IAPNU as a part of NUZEAL from 5th to 7th February 2020.

Performance in Sports activities:

During the Annual Sports Meet 2019-20, IAPNU Cricket Team won Runner's Up trophy on 25th October 2019,

During the Annual Sports Meet 2019-20 student of IAPNU Mr. Saifin Mansuri (18BAR072) won the title - Champion in Lawn Tennis Men's Singles on 2nd March 2020.

Student of IAPNU Mr. Saifin Mansuri (18BAR072) won the title 'Champion - Lawn Tennis Men's Singles' during the 'Kridaangan 2020' held on 28th February 2020.

Alumni Association-

The formulation of formal Alumni body is under process.

**Institute
of
Commerce**

Institute of Commerce

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Highlights of Outstanding Achievements and important activities:

Founded on the vision of Padmashree Dr Karsanbhai K Patel, the Institute of Commerce, Nirma University symbolises the principles of brilliance, excellence and professionalism. It aims to impart excellent education in the field of Accounting as well as Banking, Financial Services and Insurance (BFSI) Sector.

The Institute of Commerce believes in serious academic pursuit by means of prudent mix of relevance and rigour in its curriculum design and delivery aimed at imparting the relevant skills, knowledge and ideas through intellectually stimulating debates and discussions, innovative teaching pedagogies and exposure to relevant industry practice.

During the AY 2019-20, the institute organised many co-curricular and academic activities. Despite being a new institute, students of ICNU had many achievements on various academic and co-curricular front. Five students of ICNU participated at Vishleshan Plus fest of GLS University and won the Case Analysis Competition.

The Institute was assigned responsibility to host the University Level Patriotic Song Competition – “Deshraag” and coordinate the event in collaboration with Student Welfare Office in August 2019. The Institute also successfully managed the Literary Events hosted as part of NUZEAL – the University Level Cultural and Literary Festival. The ICNU conducted screening for Elocution and Poetry Recital on February 3, 2020 for more than 200 entries. The Institute also coordinated two major sports events Volleyball and Carrom as part of the Annual Sports Meet-2019-20.

This year the Institute made it a point to have continuous social intervention through its Social Club. It organised food distribution drive, blanket distribution drive, celebration of festivals at old age homes and orphanages throughout the year.

The second edition of Cultural and Literary Festival – ELYSIAN 2019, a two-day event scheduled on 13th and 14th November 2019 was launched with the theme – “HIGH ON COLORS”. The two day cultural and literary event had 12 competitions in its store. There were 4 competitions in the category of Cultural Events; 3 competitions in the category of Fine Arts Events and 5 in the category of Literary Events. The event concluded in style with EDM night on November 14, 2019 wherein DJ Paroma performed live for the first time at Nirma University Campus.

The Institute organised the National Level Case Analysis competition in collaboration with Indian Society for Training and Development – Ahmedabad branch. 122 students from universities across the country participated in the event scheduled on January 31, 2020. The institute further enhanced its efforts on student centric activities which included organising of industrial visits, educational visits, seminars, guest lectures to increase industry-academia interface and provide practical exposure to the students.

Dignitaries visited:

A total of seventeen dignitaries visited during the academic year 2019-20, the details of which are given in Section II.

I. Curricular Aspects**New courses being offered:**

Corporate Internship and NGO Internship are the two new credit courses introduced wef AY 2019-20.

Any other Initiative/Innovation in curricular design:

- A course blog has been developed for each course and access of which is available to students.
- Few faculty members are also managing their course websites apart from course blogs to enable 24x7 learning.
- Interactive videos explaining the concepts of respective courses are screened in the classroom to increase the student participation in class.
- Industry and academic experts are invited for expert talks on different topics.

II- Teaching-Learning and Evaluation:

Faculty Completed/Pursuing PhD:

The Institute currently has seven core faculty of which five are holding doctorate. One Faculty is pursuing PhD; the information is as follows:

Name of Faculty	Topic of Research	Pursuing from	Research Supervisor
Mr Ashutosh Pandey	Role of Fiscal Policy in Economic Development of Uttar Pradesh since 2000-01	Department of Economics, University of Lucknow.	Dr Arvind Mohan, Dean Academics, University of Lucknow

Innovation in Teaching - learning & evaluation:

Third year BCom (Hons) students visit BSE, Mumbai: In order to facilitate Industry-Academia interface and with the aim to provide students with greater exposure, the Institute of Commerce organised an Industrial visit for students of third year BCom (Hons). A total of 39 students along with the two faculty coordinators went for an educational visit to the Financial Capital of India, Mumbai on February 17 – 18, 2020. Students acquired knowledge about stock exchanges, its process & procedures and products traded on it through a seminar at the Bombay Stock Exchange. The seminar enabled

students to expand their knowledge on capital markets and also enhanced their career prospects. The trip ended with an informative visit to the Reserve Bank of India Museum.

Apart from the educational learning, the students were also given the opportunity to experience the culture of the State and visit the major tourist attractions of the city and so the first day was focused on visiting the Haji Ali Dargah, Juhu Beach, The Gateway of India and Colaba Causeway. On the second day the students visited the Slums of Dharavi which included visits to leather industries, pottery, making of soap, colour dying, recycling of plastic, houses in slums etc.

Institute of Commerce organised a visit to IIM Ahmedabad's incubation centre on March 6, 2020 as a part of its external open classroom of Entrepreneurship for its students of batch 2017-2020. Around 54 students were part of this external classroom session and were accompanied by Prof Ashustosh Pandey to CIIE where Mr Shashi Gupta, Associate Vice President, Regional Incubation and his team introduced the students to various concepts of Innovation in the practical world and how their incubation centre aids to the birth of new start-ups. The students felt extremely privileged in exploring the centre physically and dwelling more about the facilities offered by the centre to start ups.

Activities to sustain healthy practices:

- Regular attendance and academic progress of the students are monitored.
- Large number of student activities were initiated and coordinated by them.
- With an object to impart the practical education, industrial visits were organised for the students of first year at GIDC Vatva. Students got practical exposure on waste management and water treatment plant. Another industrial visit was organised for students of third year at RBI and BSE – Mumbai.
- An educational visit was organized at IIM Ahmedabad's incubation centre to give practical exposure to the students.
- A training session with Library Resource Centre on Financial Database CMIE's Prowess IQ was arranged for students.

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.

Number of faculty development programmes availed by faculty

- ❖ Dr Nitin Kishore Saxena successfully completed the Faculty Induction Programme conducted by CQAAD, Nirma University during the month of May – June 2019.

- ❖ Mr Ashutosh Pandey successfully completed the Faculty Induction Programme conducted by CQAAD, Nirma University during the month of May – June 2019.

Invited/endowment lectures:

S No	Name of Expert	Designation	Topic
1	Mr Pankaj Shah	Senior Vice President – Data Centre Business and Group HR, Adani Group	Opportunities in the field of Commerce – July 15, 2019
2	Mr Ajay Lalwani	CIMA, Mumbai	Global Career Opportunities in Management Accounting – July 16, 2019
3	CA Paurav Thakkar and Harsha Sekwani	Partner - Yates Education	Career opportunities with ACCA qualification – July 16, 2019
4	Dr Darshana Thakkar	Leading Gynaecologist	Gender Sensitisation – July 16, 2019.
5	Dr Nityesh Bhatt	Professor – Institute of Management, Nirma University	Fundamentals of Leadership and Time Management – July 31, 2019
6	Mr Rohan Garg	Alumnus – Nirma University	Interview Techniques – August 12, 2019.
7	Dr Rajendra P Srivastava	Professor Emeritus of Accounting Information Systems in the School of Business, University of Kansas, Lawrence, USA	Text Mining and Textual Analysis for Predictive Models and Risk Assessments – September 17, 2019
8	Mr K K Jain	Managing Partner, KPMG Ahmedabad	Youth and Event Management – November 15, 2019
9	Dr Shyam Sunder	James L Frank Professor of Accounting, Economics, and Finance at Yale School of Management.	Professional Ethics in Accounting – January 8, 2020
10	Mr Anil Kumar Choudhary	Additional Directorate General of Foreign Trade (Indian Trade Services, Batch of 1986)	Niryat Bandhu – A seminar on export import business – January 11, 2020
11	Mrs Anjana Nimavat	Chief Warden and District Commandant – Gujarat Civil Defence, Gandhinagar	Self Defence Techniques for Girls – January 21, 2020
12	Mr Utkarsh Gupta	Officer – Commanding Reserve Services and Civil Defence Instruction	
13	Mr Vikas Kumar	Warden – Gujarat Civil Defence, Gandhinagar	
14	Mr James Baby	Manager – Endeavor	Belling the CAT – February 12, 2020.
15	IMS Education Pvt Ltd	Managing Partner – Ujjwal Nagar	Career Prospects after BCom (Hons) – February 12, 2020.
16	Mr Amol Jhaveri and Ms Ayushi Jhaveri	Partner – Ivey Prep	Studying abroad and Foreign Universities – February 12, 2020.

17	Mr V Balasubramaniam	Founding Managing Director and Chief Executive Officer – India International Exchange IFSC Ltd (India INX)	Recent Developments of Capital Markets in IFSC – February 27, 2020.

III- Research, Consultancy and Extension

Number of Teachers allowed participation in National/International conference based on the acceptance of research paper:

Financial Year	International Conference	
	Number of Teachers	Amount Incurred
2019 – 20	06	33,000
2018 – 19	01	-

Awards/Recognitions:

Prof Udai Lal Paliwal and Dr Nitin Kishore Saxena were awarded best paper award for their joint paper titled, “Integrated Reporting: Bench Marking with best Practice” presented at the 14th INDIA - JAPAN Bilateral Conference – BICON-2019 organised in the month of September, 2019.

Citation Index of the faculty member and impact factor:

S No	Name of Faculty	Citation Index (h-index)
1	Prof Udai Lal Paliwal	2
2	Dr Avani Shah	1
3	Dr Nitin Kishore Saxena	1

Summary of Research Publications:

Financial Year	National Journal			International Journal		
	Number of paper published	Number of paper considered for calculation of average impact factor	Average impact factor	Number of paper published	Number of paper considered for calculation of average impact factor	Average impact factor
2019 – 20	---	---	---	02	----	---
2018 – 19	02	02	---	01	01	---

Research Publications by Faculty:

1) Research details of Prof Udai Lal Paliwal

Details of Published Articles:

Paliwal, U.L., Saxena, N. & Pandey, A. (2019). Analysing the Impact of GST on Tax Revenue in India: The Tax Buoyancy Approach. International Journal of Economics and Business Administration. Volume VII Issue 4, 514-523.

Details of Research Project: Secured grant for a major research project from ICSSR (Jointly with Prof Rajesh Jain, IMNU), Research Ambience and Research Productivity: A Study of Higher Education Institutions in India, South Africa and USA. The amount of the grant is Rs. 11.55 Lac.

Paper Presentation:

Presented joint paper on “Integrated Reporting: Bench Marking with best Practice” at the 14th INDIA - JAPAN Bilateral Conference – BICON-2019 organized in the month of September, 2019.

Details of Keynote Address delivered/Seminar presented:

- Global Business and Social Issues: Some Reflections. **Inaugural keynote speech** delivered at the International Conference on Global Business and Social Issues jointly organised by Assam University, Silchar & YERA on January 10, 2020.
- Global Business and Social Issues: Role of Accounting Professionals. **A seminar presented** at WICASA of ICAI Ahmedabad Chapter on February 2, 2020.

2) Research details of Dr Avani Shah**Paper Presentation:**

- Presented Joint paper on “Impact of Corporate Governance on Financial Performance – Evidence Based on the Selected Listed Companies of Hotels and Hospitality Sector in India” at International Conference – Ample Opportunities and Growth Prospects in India, December 2019.

3) Research details of Dr Sumita Shroff Goyal**Paper Presentation:**

- Presented paper on “Determinants of Working Capital of Indian MSME Sector” at International Conference – Ample Opportunities and Growth Prospects in India, December 2019.

4) Research details of Dr Nitin Kishore Saxena**Details of Published Articles:**

Paliwal, U.L., Saxena, N. & Pandey, A. (2019). Analysing the Impact of GST on Tax Revenue in India: The Tax Buoyancy Approach. International Journal of Economics and Business Administration. Volume VII Issue 4, 514-523.

Paper Presentation:

- Presented joint paper on “Integrated Reporting: Bench Marking with best Practice” at the 14th INDIA - JAPAN Bilateral Conference – BICON-2019 organized in the month of September, 2019.
- Presented joint paper on “A Study on Major Challenges for Doubling Farmers Income by 2020” at National Conference – October, 2019.

- Presented paper on “Corporate tax rate cut: Can restore India’s earnings growth?” at International Conference – Ample Opportunities and Growth Prospects in the Economy of India, December 2019.

5) Research details of Ashutosh Pandey

Details of Published Articles:

Paliwal, U.L., Saxena, N. & Pandey, A. (2019). Analysing the Impact of GST on Tax Revenue in India: The Tax Buoyancy Approach. International Journal of Economics and Business Administration. Volume VII Issue 4, 514-523.

Paper Presentation:

- Presented joint paper on “A Study on Major Challenges for Doubling Farmers Income by 2020” at National Conference – October, 2019.

6) Research details of CS Karishma Butani

Paper Presentation:

- Presented Joint paper on “Impact of Corporate Governance on Financial Performance – Evidence Based on the Selected Listed Companies of Hotels and Hospitality Sector in India” at International Conference – Ample Opportunities and Growth Prospects in India, December 2019.

7) Research details of Dr Nisha Chadda

Paper Presentation:

Presented paper titled, “IFRS Compliance and its Impact on Value Relevance of Intangible Assets: Evidence from Indian Companies” at 42nd All India Accounting Conference & International Seminar on Accounting Education & Research organised by Jai Narain Vyas University, Jodhpur on December 28-29, 2020.

Extension Activities/Community services by Institute:

ICNU recognises its corporate social responsibility and in the same vein various social interventions were carried out throughout the year through its NSS unit and Social club, the details of which are presented hereunder.

Swachh Bharat Internship: In line with Clean India mission, the students of ICNU have been a part of Swachh Bharat Internship - a programme which aims to engage youth across the country, develop their skills and orientation for Solid Waste Management (SWM), and sustain the momentum of the Swachh Bharat Jan Andolan.

For the said purpose, two teams of ten students each have devoted fifty hours for the cause. The first team worked tenaciously in the selected zone Tragad, Ahmedabad and guided the sweet corn sellers on the Solid Waste Management. Dustbins and Biodegradable poly-bags were also provided to them for discarding the waste. Moreover, being commerce students they provided them an incentive of replacing their discolored and corroded name boards.

Another team of students focused on the village and school-level promotion of the 3R's (Reduce, Reuse, Recycle), compost pits, no-littering through Nukkad Natak (street plays), folk song and dance performances. The said activity was conducted in the municipal school located in Tragad, Ahmedabad. All these activities were conducted during the last week of July 2019.

Tree plantation drive: “Plant a tree, so that the next generation gets the air for free”. Keeping this in mind, the NSS unit of ICNU organised a tree plantation campaign on August 1, 2019. Prof Udai Paliwal – Dean ICNU lead the team of passionate students to plant the saplings of neem trees.

Friendship day celebration: Students of ICNU visited “Humankind” – NGO at Sabarmati, Ahmedabad on August 4, 2019 to celebrate the friendship day with the under privileged children. A team of twenty students from ICNU along with Dr Nitin Kishore Saxena celebrated this day through various activities like making paper bags, paintings, poster-making, and playing games followed by cake cutting.

NSS Unit At Kavitha For One Day: On September 1, 2019 the NSS volunteers of ICNU visited its adopted village – Kavitha. The NSS volunteers interacted with the villagers and school kids. The following activities were conducted in the one-day visit:

- The school students were imparted basic computer knowledge including parts of computer, typing, shortcut keys, Microsoft office software.
- The volunteers conducted various stretching exercises and yoga to promote FIT INDIA campaign initiated by the Government of India.
- Various sports activities including competitions of Kho-Kho, Kabaddi, Table-tennis and Volleyball were also conducted for the students.

Food Distribution Drive: Members of social club of ICNU - UDGAM organised food distribution drive for underprivileged kids residing in slums behind Nirma University on September 26, 2019.

Cleanliness Drive: The NSS volunteers of ICNU organised a cleanliness drive near gate number 3 of Nirma University on October 1, 2019. The volunteers of “Udgam” – the social club of ICNU along with the kids residing in that area collaborated in the efforts to clean the litter in the surrounding areas. Gloves and garbage bags were provided to collect the waste. The sense of responsibility and moral obligation towards the environment was the main theme of this activity which was duly achieved.

Diwali Celebration with the Underprivileged: ‘Udgam’-The Social Club of ICNU celebrated the spirit of Diwali on October 17, 2019 with the economically backward and underprivileged households residing near Gate No 3, behind the campus of Nirma University. This included distribution of food, clothes, and stationary. ICNU enjoyed the Festival of Lights by sharing happiness with the underprivileged children.

Visit to Blind People’s Association: On September 30, 2019 and October 3, 2019, students of Semester – I of ICNU visited the Blind People’s Association. It turned out to be a great experience for all the students who went there and encountered the lives of the people and understood that all should learn to adapt to every situation that transpire in front of them.

NSS Seven Days’ Camp at Kavitha: The NSS seven days’ camp was organised by the NSS Unit of ICNU during December 10–16, 2019 at the adopted village “Kavitha”. The following interventions were carried out in the duration of seven days:

- The NSS volunteers focused upon primary issues like women empowerment, women's safety, cleanliness, sex education, marital abuse, self-defence, employment generation, overall development of government school students, and awareness about government benefits.
- The female NSS volunteers performed a Nukkad Natak on the theme of sex education, marital abuse and self-defence for all the women residents. They also taught self-defence techniques to the young girls.
- The female NSS volunteers distributed free sanitary napkins to all the women.
- The volunteers conducted academic and sports activities for the school students.
- Some of them volunteered in whitewashing the school walls and transforming a dumping area into a small garden outside the school premises.
- The male volunteers also performed a special activity where they took an oath along with other villagers on the 125th centenary anniversary of Babasaheb Ambedkar in the Gram-Sabha of Kavitha.
- The students were taught dance and singing to promote the Gujarati folk culture.
- The volunteers also conducted a signature campaign for spreading awareness about Swachhta Abhiyan.
- In order to promote the Fit India Movement initiated by the government of India, the NSS volunteers organised sports competitions to keep the students active and healthy.
- The students were involved in various academic activities like poetry recitation and speech competition.
- The NSS volunteers organised the mega Annual Day of Cultural, Literary and Sports activities which saw participation from students of class 6th to 8th of the village.

- The event ended with the feedback session from the NSS volunteers to improve the social interventions towards the adopted village.

Food Distribution Drive: 'UDGAM' - the social club of ICNU organised another Food Distribution Drive behind Nirma University (Gate no 3) on January 26, 2020 and spent time with the poor and needy children with fun games and music.

ATULYA – The annual event of UDGAM: ATULYA was organised on February 29, 2020 at Nirma University, Ahmedabad by the social club of ICNU. The event saw people with social bend of mind come under one roof. It had representation from ISKCON who also represented Akshay Patra, Ahmedabad; the initiator of Seva Cafe, Ahmedabad and Shri Uday Bhai, the famous autowala in Ahmedabad. Their prime motive is to spread love and happiness among everyone. ATULYA was organised for all the kids whom UDGAM has served in the past. Children from Visamo – NGO, Tragad School, and Prakash School were invited for spending happy time with each other as well as with the volunteers. Several games were organised for them and the event ended with lunch.

New MoU signed/Collaborative activities done related to MoU/ tie-ups with other organisation:

Institute of Commerce signed *an MoU on January 11, 2019 with GIFT SEZ Limited*, established as India's first International Financial Services Centre (IFSC) under Section 18 of the Special Economic Zone Act, 2005 ("SEZ Act 2005"). In the said reference, this year two activities relating to the MoU were conducted. A brief account is presented hereunder.

ICNU Girls Take GIFT City: On October 21, 2019, fifteen selected girls from the semester V of Institute of Commerce, Nirma University became part of Bloomberg's initiative "Girls Take GIFT city" in collaboration with UBS and India's first operational smart city. The event was based on the theme – "Gender Justice and Equality". Ms Vandana Ramchandani, Philanthropist, Bloomberg; Mr Dipesh Shah and Mr Tapan Ray shared their views which was exceptionally productive for all the girls who joined the event and this extended an opportunity to them to absorb more profoundly about their career horizons.

Lecture on Recent Developments of Capital Markets in IFSC: An honorary lecture on "Recent Developments of Capital Markets in IFSC" was organised on February 27, 2020 at the campus. The lecture was delivered by Mr V Balasubramaniam, founding Managing Director and Chief Executive Officer of India International Exchange IFSC Ltd (India INX). India INX is the first International Exchange from India in GIFT City, Gujarat. Speaking on the occasion Mr Bala emphasised that the establishment of India's first IFSC at GIFT City Gujarat shows that the stance of India towards capital markets is changing. In the past decade India relied on tax heavens like Mauritius to attract capital investments, now with the establishment of IFSC in India, our economy would attract capital

investment through IFSCs. Mr Bala familiarised the participants with the capital market concepts like FDI, FPI, Masala Bonds etc and the role they play in the functioning of capital markets. A total of 150 students from Sem II, IV and VI of BCom (Hons.) attended the event along with Dean, and faculty members of the Institute of Commerce.

IV. Infrastructure and Learning Resources

- Computer facilities added: Laptops for faculty were procured.
- 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
76%	60%

Student Achievements:

The students at Institute of Commerce are encouraged to participate in various inter college and inter university events. The details of achievements of students are presented in two categories, viz, achievements at campus and achievements outside campus.

ICNU Students clear LEVEL I of CGMA Qualification Course – CIMA: Five students of BCom (Hons.) – Bhavika Mirchandani, Kanika Gakhreja, Sarthak Jain, Sejal Patidar (Students of Sem V) and Dhiraj Karnani (Sem III) have successfully cleared the Level I of CGMA qualification course. These students enrolled for the additional qualification course – CGMA last year. They wrote their Level I exam in the month of September 2019.

Achievements of students of Institute of Commerce outside campus			
Name of Event	Name of Student	University/ State/National Level	Remarks
GLS University Fest - “Vishleshan”	Harsh Patwa (Sem V)	State	Winner of the event Case Study Analysis Competition.
	Salony Bafna (Sem V)		
	Vaidanshi Nema (Sem V)		
	Vanshika Varlani (Sem V)		
	Yash Goyal (Sem V)		

Achievements of students within campus			
Name of Event	Name of Student	Institute / University / National Level	Remarks
Talent Hunt			
Elocution	Vanshika Varlani (Sem V)	Institute	Winner
	Dev Kala (Sem I)		Runner up
Debate	Kush Jagetiya (Sem I)	Institute	Winner
	Dev Kala (Sem I)		1 st Runner up
	Riy\ Vaja (Sem I)		2 nd Runner up
Poetry Recitation	Vanshika Varlani (Sem V)	Institute	Winner
	Kanika Gakhreja (Sem V)		Runner up
	Isha Surti (Sem III)		Runner up
Micro Tale Writing	Aryan Lakhera (Sem I)	Institute	Winner
	Khyati Nakum (Sem III)		1 st Runner up
	Nimisha Jain (Sem I)		2 nd Runner up
T-Shirt Painting	Charmi Raiyyani (Sem I)	Institute	Winner
	Bhumika Sojitra (Sem III)		1 st Runner up
	Beenita Chaudhary (Sem III)		2 nd Runner up
Photography Competition	Kavya Jain (Sem I)	Institute	Winner
	Hitik Malhotra (Sem I)		Runner up
Singing – Solo	Kanchi Maheshwari (Sem III)	Institute	Winner
	Priyam Gandhi (Sem V)		1 st Runner up
	Suniti Bajpai (Sem III)		2 nd Runner up
Singing – Duet	Priyam Gandhi (Sem V)	Institute	Winner
	Suniti Bajpai (Sem III)		
	Dev Kala (Sem I)	Institute	Runner up
	Radhika Asawa (Sem I)		
Dance – Solo	Illiyaz Basha (Sem I)	Institute	Winner
	Suhani Bansal (Sem I)		1 st Runner up
	Sneha Gaur (Sem I)		2 nd Runner up
	Jahnvi Gaur (Sem I)		2 nd Runner up
Dance – Duet	Zeenat Khan (Sem V)	Institute	Winner
	Saloni Chaturvedi (Sem V)		
	Suniti Bajpai (Sem III)	Institute	Runner up
	Vanshita Kanjani (Sem I)		
Dance – Group	Rajnandini Rajpurohit and Team (Sem III) Amisha Gupta Anjali Gurwani Ishika Garg Kanchi Maheshwari Fanny Rathi Trishul Sharma Nikhil Patil Siddharth Patel Rahul Dalmia Rohan Parsove Virag Mehta	Institute	Winner

Dance – Group	Mimansha Kaushik and Team (Sem V) Yash Goyal Yash Sahu Priyam Gandhi Sangam Suthar Drashti Shah Kanika Gakhreja Sejal Patidar Jaini Thakkar	Institute	Runner up
RAMZAT 2019 (University Level Garba Competition)	Hardi Patel (Sem I)	University	Runner Up – Best Performance: Female
Drop A Beat (Dance Competition – ELYSIAN)	Hardi Patel (Sem I) Jahnvi Gaur (Sem I)	Inter University	Winner in Duet Dance Category
Melange (Personality Test – ELYSIAN)	Vanshita Kanjani (Sem I)	Inter University	Winner of Ms Melange Title
Turncoat (Talking Chameleon – ELYSIAN)	Aditya Dwivedi (Sem I)	Inter University	Winner
FELICIA (Fine Arts Events – ELYSIAN)	Charmi Raiyyani (Sem I)	Inter University	Winner in the T-Shirt Painting Event
	Mishri Gandhi (Sem I)		Runner Up in Best out of Waste Event
Ethnic Day – Mr and Ms Ethnic	Vanshita Kanjani (Sem II)	Institute	Ms Ethnic
	Nilkanth Andani (Sem II)		Mr Ethnic
Antakshari	Aashna Basotia	Institute	Winners
	Divya Patidar		
	Namisha Binaykiya		
	Prarthana Joshi		
	Salony Bafna		
	Vaidanshi Nema		
Fireless Cooking Competition – Best Stall	Vasu Upadhyay (Sem I)		Winners
	Vanshita Kanjani (Sem I)		
	Rupali Hinduja (Sem I)		
	Prapti Thakkar (Sem I)		
Fireless Cooking Competition – Best Food	Nitya Chaudhari (Sem I)		Winners
	Nehal Maheshwari (Sem I)		
	Saijal Soni (Sem I)		
	Avni Somani (Sem I)		
Fireless Cooking Competition – Taste of the Day	Aditya Pahwa (Sem I)		Winners
	Anjali Singhal (Sem I)		
	Vidhi More (Sem I)		
	Sneh Mistry (Sem I)		
	Hetvi Vasani (Sem I)		Winners
	Harshita Gupta (Sem I)		

Fireless Cooking Competition – Taste of the Day	Manvi Agrawal (Sem I)		
	Manushi Bera (Sem I)		
NUZEAL – Singing Competition	Priyam Gandhi (Sem VI)	University	Winner in Group Singing Category
	Sangam Suthar (Sem VI)		
	Drashti Shah (Sem VI)		
	Jaini Thakkar (Sem VI)		
	Suniti Bajpai (Sem III)		
	Rahul Krishnani (Sem I)		
NUZEAL – Personality Contest	Vanshita Kanjani (Sem II)	University	Ms Nirma 2020
NUZEAL – Dance Competition	Saloni Chaturvedi (Sem VI)	University	Runner Up in Group Dance Category
	Zeenat Khan (Sem VI)		
	Muskan Chandak (Sem VI)		
	Rajnandani Rajpurohit (Sem IV)		
	Ishika Garg (Sem IV)		
	Suhani Bansal (Sem II)		
	Jahnvi Gour (Sem II)		
	Vanshita Kanjani (Sem II)		
NUZEAL – Literary Events: Debate Competition	Aashna Basotia (Sem VI)	University	Winners
	Vanshika Varlani (Sem VI)		
Fine Arts Events	Saumya Dalwani (Sem IV)	University	Runner Up in Collage-Making
	Rupali Hinduja (Sem II)		Runner Up in Mehndi Competition
	Kanchi Maheshwari (Sem IV)		
Women Development Cell organised Fireless Cooking Competition – Khan Paan	Kanika Gakhreja (Sem VI)	University	2 nd Runner Up
	Henil Bhatt (Sem VI)		
	Nishant Juneja (Sem VI)		
	Nehal Maheshwari (Sem VI)		

Value added courses:

1. ‘Yoga and Total Health’ for Semester-I
2. ‘Basic Foreign language (French)’ for Semester-II
3. Working with Spreadsheets” for Semester – III
4. ‘Introduction to SPSS” for Semester – IV and VI
5. ‘Career Planning and Goal Setting” for Semester –VI

Co-curricular activities organised:

- Dr Pankaj Singh, Senior Vice President, Data Centre Business & Group HR, Adani Group, graced the occasion of Orientation cum Induction programme on July 15, 2019, as chief

guest. He highlighted the various career prospects for BCom graduates and opportunities in the field of accounting, finance, management, banking, research and economics. A total of 120 students attended the session.

- Mr Rohan Garg, an alumnus of Nirma University delivered a guest lecture on Interview Techniques on August 12, 2019. Mr Garg shared stories of real interviews and demonstrated various scenarios that interviewees generally find themselves in. A total of 200 students attended the session.
- A seminar on “Text Mining and Textual Analysis for Predictive Models and Risk Assessments” on September 17, 2019. Speaking at the seminar Dr Rajendra P Srivastava, Professor Emeritus of Accounting Information Systems in the School of Business, University of Kansas, Lawrence, USA, highlighted how text mining and textual analysis can be used by regulators, policy makers and researchers for unearthing any fraudulent activities by reporting entities. Dr Srivastava in his presentation made a live demonstration of “SeekiNF” – a search engine developed by his team at University of Kansas, which is used by the leading institutions across the world for text mining and textual analysis. A total of 15 students attended the session.
- An educational trip to Green Field Co-operative Society (GFCS), Vatva was organised for the students of second year of BCom (Hons) on September 20, 2019. GFCS is an industrial effluent treatment plant wherein 35 million tonne litres of polluted water is treated every day. The entire process of treatment of the polluted water was observed and understood by the students. A total of 60 students attended the visit.
- The National Level Case Analysis Competition (NLCAC) 2020 was organised by ICNU in collaboration with Indian Society for Training and Development (ISTD) – Ahmedabad Chapter on January 31, 2020 based on the theme “Businesses Balancing Social and Economic Strings”. The case was provided to the participants 48 hours before the competition. There were 122 participants from different universities such as IIT Gwalior, IIS Jaipur, Christ University - Pune, Karnavati University, P P Savani College, PDPU, DAVV Indore, Kachchh University, Prestige University – Indore, R K Patni College – Kishangarh, Mewar Girl’s College, VNSGU, BRCM College of Business Administration, CU Shah College of Commerce, Amrut Mody School of Management, GLS University, ICAI - Ahmedabad Chapter, and Nirma University. Of these, 47 teams were shortlisted for on campus rounds. The winning teams were from Nirma University and Amrut Mody School of Management. The winners received trophies, certificates and cash prizes. A total of 230 students participated in the event.

- A guest lecture by Dr Shyam Sunder, James L Frank Professor of Accounting, Economics, and Finance at the Yale School of Management, USA & Past President, American Accounting Association on January 13, 2020. He gave valuable insights on why accounting is necessary and how accounting frauds are affecting the economy. 200 students participated in the guest lecture.
- A seminar on “Niryat Bandhu” in collaboration with DGFT, Ministry of Commerce, Ahmedabad Regional Office on Jan 11, 2020. Mr Anil Kumar Choudhary – Additional Directorate General of Foreign Trade (Indian Trade Service, 1986 batch) addressed the students. Mr Rohit Soni, Deputy Directorate General of Foreign Trade, DGFT Ahmedabad (Indian Trade Service, 2013 batch) discussed the various aspects regarding the export and import business in India. A total of 200 students participated in the seminar.
- A self-defense workshop was conducted on January 21, 2020 by the Women Development Cell of Institute of Commerce, Nirma University. WDC invited Mrs Anjana Nimavat, Chief-warden, and District Commandant – Gujarat Civil Defense, Gandhinagar; Mr Uttkarsh Gupta – EDI, Officer Commanding Reserve Services and Civil Defense Instruction, Gandhinagar and Mr Vikas Kumar Rajgonr, Warden – Gujarat Civil Defense Gandhinagar to guide the girls of the Institute of Commerce, Nirma University on various techniques of self-defense. A total of 50 girl students participated in the workshop.
- Prof Udai Paliwal officially inaugurated the latest addition to the institute's roster of committees, ‘The Debate Society’ on January 25, 2020. Sir shared the significance of debate society and underlined thinking skills as an important skill of debating. The topic on the inauguration of Debate Society was “Should we all shift towards vegetarianism?” Points were agreed upon and refuted as intelligently as they were raised, and in the din of overlapping noises; several students found their voices and the courage to speak their minds. A total of 70 students participated in the debate society.

Student Clubs

The students are encouraged to plan, organise and participate in various curricular and extra-curricular activities on their own 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 prestigious colleges of the country.

Social Club: This club assists with organisation of activities like blood donation camps, awareness campaigns for Government schemes in villages, thalassemia, other social issues, Swachh Bharat Abhiyan, and extension activities like old-age home visits, charity drives, etc.

Cultural Club: The objective of this club is to cultivate and promoted 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.

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 prestigious colleges of the country.

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 prestigious colleges of the country.

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 prestigious colleges of the country.

Placement and Internship Committee: This committee is responsible for coordinating the placement of final year students of the Institute as well as the summer internships for the students of semester II and IV of the Institute.

Sports activities at the Institute

In order to enhance the sports skill amongst the students, the sports committee of ICNU organised two intra-institute events, viz, Commerce Volleyball League from 28th to 30th August, 2019 (CVL) and Commerce Football League (CFL) from 4th to 10th September, 2019.

Commerce Football League 2019-20 (CFL): An auction was also conducted for CFL and the owners bid in order to retain the players they wanted in their team.

Commerce Volleyball League 2019-20 (CVL): An auction was conducted and the owners bid in order to retain the players they wanted in their team. Four teams with names, Dracarys, Net Smashers, Hard Hitters and Net Ninjas were formed with girls as owners of the teams and boys as players of the team. Team – Dracarys won the match and took the trophy home, while Team – Net Smashers stood runner up.

Youth welfare and cultural activities including extra-curricular activities organized in collaboration with other agencies on Campus:

The following is a summary of activities organized by ICNU

Name of Activity / Event	Date & Duration	Organising Club/ Committee	Type of event Intra/ Inter Institute	No. of student participants		Short Description of the event
Thalassemia Test	September 21, 2019	Student Advisory Committee	Intra Institute	100		A special camp for Thalassemia testing of all the first year students of BCom (Hons) was organized by ICNU facilitated by Prathama Blood Centre.
Formal Freshers	03-08-19	Cultural	Intra Institute	84	90	The sophomores and seniors formally inducted the students of freshman batch to increase cohesiveness amongst each other.
Talent Hunt	05-09-19	Cultural, Music, Dance, Theatre and Literary	Intra Institute	104	118	Identifying the talent in Dance, Singing, Fine Arts, and Literary events.
Teachers' Day Celebrations	05-09-19	Cultural	Intra Institute	104	118	The students expressed their love and gratitude to faculty through this event. They designed few games and entertained everyone through their mimicry of faculty.

Essay Writing Competition	07-09-19	Literary	Intra Institute	04	06	Identifying writers within the institute.
Drop A Beat – Dance Competition	13 th November, 2019	Dance Club	Open for Ahmedabad	25	30	To bring out the best dancing talent from Ahmedabad and other places around.
Cadence – Music Competition	13 th November 2019	Music Club	Open for Ahmedabad	25	15	To bring out the best singing talent from Ahmedabad and other places around.
Business Plan Competition	14 th November, 2019	Literary Club	Open for Ahmedabad	27	13	A pitching competition of unique and creative business ideas.
Melange – Fashion Show	14 th November, 2019	Cultural Club	Open for Ahmedabad	12	12	A competition for all fashionistas at which LIFESTYLE designed clothes and LAKME makeover was showcased on the ramp with the zest of confident and spectacular personality walk .
Cash Clash – Stock Exchange Game	13 th -14 th November,2019	Literary Club	Open for Ahmedabad	60	20	A stock market simulation and case analysis competition to test the analytical skills of students.
Lok Sabha Debate	13 th – 14 th November, 2019 –	Literary Club	Open for Ahmedabad	13	09	Lok Sabha model was adopted to test the debating skills.
Turncoat	13 th November,2019 –	Literary Club	Open for Ahmedabad	09	05	An impromptu oratory competition on unconventional topics.
Kavyanjali	13 th -14 th November, 2019 -	Literary Club	Open for Ahmedabad	10	15	Poetry competition
Felicia	13 th -14 th November, 2019 –	Cultural Club	Open for Ahmedabad	05	15	T-shirt painting, best out of waste and pencil sketching.
Rangshala	13 th November 2019 –	Theatre Club	Open for Ahmedabad	42	21	The theatre competition was held under four categories: One act play, Monoacting, mimicry and stand up.
Ethnic Day Celebrations	21st January 2020 –	Cultural	Intra-Institute	73	84	To celebrate the same enthusiasm

						toward our culture, the students of Institute of Commerce, Nirma University celebrated Ethnic Day.
National Level Case Analysis Competition	Final On Campus Round:31 January 2020 –	SAC	National Event	45	30	The theme of the competition was Businesses Balancing Social and Economic Strings.

Performance in Sport activities:

Our students are laced with sportsmanship spirit and they showcase it at all possible opportunities within the campus and outside the campus. The performance of students at **University Sports Festival** is presented below:

Name of Student	Event	Semester	Medal
Dhruv Detroja	100 Mt Race	V	Gold
Dhruv Detroja	200 Mt Race	V	Silver
Dhruv Detroja	Long Jump	V	Gold
Dhruvil Savalia	Discuss Throw	III	Gold
Dhruvil Savalia	Shot Put – Boys	III	Silver
Arjun Jadeja	Javelin Throw	I	Silver
Aditya Dwivedi	1500 Mt Race – Boys	I	Gold
Aditya Dwivedi	800 Mt Race – Boys	I	Silver
Vanshita Kanjani	400 Mt Race – Girls	I	Gold
Vanshita Kanjani	Shot Put – Girls	I	Silver

Team Event Performance: In the team games, the Institute won laurels in the following games:

S No	Games	Position / Medal	Name of Team Members	Semester
1	Relay Race – 4 X 100 Mts	Runner Up (Silver)	Raj Gondaliya	III
			Dhruv Detroja	V
			Monik Patel	V
			Iliyaz Basha	I
2	Kabaddi- boys	Winner (Gold)	Yash Rajpurohit(C)	V
			Nikhil Patil(V-C)	III
			Vishesh Khandekwal	V
			Deepak Panwar	III
			Dhruvil Savalia	III
			Dhruv Mavani	III
			Pushpak Patil	III
			Dhruv Detroja	V

			Rohan Parsove	III
			Raj Gondaliya	III
			Kartik Vijayvargiya	I
			Illyaz Basha	I
3	Table Tennis Mix Doubles	Runner up (Silver)	Aditya Pahwa	I
			Nitya Chaudhari	I
4	Kho -Kho - boys	Runner up (Silver)	Dhruv Detroja(C)	V
			Raj Gondaliya (V-C)	III
			Monik Patel	V
			Iliyaz Basha	I
			Avaneesh Sengal	I
			Vishesh Khandelwal	V
			Yash Rajpurohit	V
			Sarthak Jain	V
			Arjun Jadeja	I
			Kartik Vijayvargiya	I
			Bhavya Jhanwar	III
			Nikhil Patil	III
5	Basketball -boys	Runner up (Silver)	Harsh Tripathi (C)	V
			Samarth Agrawal (V-C)	I
			Aditya Dwivedi	I
			Sumit Jadeja	I
			Pratham Khandelwal	I
			Tanay Khandelwal	I
			Prince Parekh	I
			Arjun Jadeja	I
			Mohit Ranka	I
			Priyam Gandhi	V
			Bhavya Jhavar	III
			Aadish Ajmera	V
6	Tug of war -girls	Runner up (Silver)	Zeenat Khan (C)	V
			Vanshita Kanjani (V-C)	I
			Disha Sodani	V
			Kakoli Jain	V
			Leesa Mour	I
			Amisha Gupta	III
			Isha Surti	III
			Fanny Rathi	III
			Kanika Gakhreja	V

Incentives to outstanding sports person: The students are awarded medals and certificates. The students are also provided incentives based on their overall performance in sports.

Number of students who passed the examinations (NET, SLET, CAT, TOEFL, GRE, G-MAT, IELTS, GATE, GPAT, ICMR):

Two students have cleared IELTS, one student has cleared NMAT and one student has cleared MAT. All the four students belong to the batch graduating in 2019-20.

Alumni Association:

The Commerce Alumni Association was formed on October 16, 2019 and all the students of the first graduating batch of ICNU were enrolled as members. Prof Udai Paliwal – Dean, ICNU initiated the process and shared his thoughts and vision for the Alumni Association. This was followed by selection of torch-bearers of the association. After the selections, speech was given by the President of the association – Mr Parth Dudhat, alumnus of batch 2016-19. Few activities were planned for the month of March 2020 and April 2020 in association with Alumni Association. However, due to the outbreak of Covid-19 pandemic, these activities could not be executed in the current financial year. However, the institute is committed to have more such activities in the near future.

Activities of Guidance & Counselling unit:

The guidance and counselling unit of the institute is active throughout the year. The institute has a formal mentoring system, wherein each faculty is assigned students to mentor/guide them for their duration of study on campus. This process helps to create a healthy rapport between the faculty and students. Generally, there are two rounds of mentoring with the students each semester in order to understand the difficulties that a student might be facing and attempt to resolve the same.

Further, the students with challenges – both academic and otherwise are identified. These students are encouraged by providing mentoring and counselling. Many times it is observed that students experience difficulties due to shift from regional medium of study to English medium. For all such students, remedial sessions are conducted to enhance their written and spoken English skills. Remedial sessions are also conducted for students who are slow learners.

The institute also takes initiatives to guide the students on different global professional courses as well as mentor them for their future pursuits after graduation. Seminars on “Opportunities as an ACCA”, “Global Career opportunities in Management Accounting”, “Belling the CAT”, “Career Prospects after BCom (Hons)”, and “Studying Abroad and Foreign Universities” were organised at different points during the academic year in association with CIMA, Mumbai, ACCA, Endeavour, Ivey Prep, and IMS. A guest session was also organised on the theme “Fundamentals of Leadership and Time Management” to enable students take initiatives and effectively manage time given academic rigor of our BCom (Hons) programme.

Placement services to students:

The placement committee was reconstituted in the month of July 2019 with an aim to facilitate the placement drive of the Institute meant for the graduating students and further the academia-industry linkages. This year twenty-six students expressed their interest for placements. The placement brochure of the institute was designed and printed. Companies were approached for placements and internships. A five-day workshop on “Campus to Corporate” in association with KPMG, India was

organized by the institute for grooming the graduating batch to face the various stages of recruitment process as well as to hone their soft skills and make them industry ready for the jobs.

Final Placements

A total of twenty-four students of the graduating batch of 2019-20 have been placed in companies of repute. The companies who hired in the last placement season have continued to participate in the current academic session as well. In addition, other renowned companies showed their interest in recruiting our students. Ninety percent of the students registered for placements (24 out of 26 students) are already placed and the average package of the students placed this year is ₹3.47 lakhs. Some of the companies that hired our students include KPMG, S&P Global, HR Johnson, Nelison, Go Digit Insurance, and Federal Bank.

**Department
of
Design**

Department of Design

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Department of Design

Short summary and highlights of Outstanding Achievements and important activities

The Department of Design commenced its programme offering professional education in Design, three years ago in 2017. With the batches of students opting to study Industrial Design and Communication Design for the Bachelor of Design degree, we have 230 students today. Our significant activities and achievements are the following:

Admissions Process for AY 2020-21

1. For Admissions 2020, we partnered with IIT Bombay's **Undergraduate Common Entrance Examination in Design (UCEED)**. This partnership has enabled an all India participation from interested candidates who opt for a career in Design. As per the eligibility criteria for the Academic year 2020-21, students have been selected on basis of the merit of a combination of UCEED examination Part - A marks (50% weightage) and a Personal Interview & Situation Test (50% weightage) conducted online due to the COVID -19 Pandemic lockdown in the country. We have had candidates applying from 16 states and 3 countries this year, including India.
2. Social media platforms like Facebook, Instagram, Twitter and Newspaper advertisements were used for rigorous and continuous promotions.
3. An Open House was organised at the Department of Design on November 9, 2019. This day was dedicated to parents and their wards seeking information on design education being offered at the Nirma University. The faculty team made a visual presentation on 'What is Design' and further explained what entails the two disciplines being offered, namely Communication Design and Industrial Design. The curriculum, professional pathways and employment/entrepreneurial opportunities after graduating from the programme were explained to the audience. There was a lively Q &A session on Admission procedures and course offerings.

Social Media:

Department of Design's social media platforms (Instagram, Facebook & Youtube) have been used to communicate our design pedagogy and academics. We have showcased various courses' work featuring students' creative solutions and experimentation. Testimonials from students, parents, visiting experts have been featured as they are our Brand ambassadors. These testimonials shared online and offline with prospective students and their guardians have added value to our brand positioning. A visual language is followed in the social media posts, creating a visual differentiation from other design schools' promotion and narrative. In current times, a digital presence is of utmost importance and updation is ensured to promote the organic growth of the community of design enthusiasts and student fraternity.

WEBSITE

The Department of Design's website is part of the University's website playing a significant role in communicating programme details and achievements about the Department. The website provides data relating to Admissions, Academic curriculum, Faculty profile, Campus Life, Library services, Research, Consultancy & Training. The section on recent news and events updates the audience to ongoing events.

Dignitaries Visited:

Following dignitaries visited the Department of Design during its Orientation Programme and Foundation day:

Ms Preeti Vyas Giannetti, was invited as a keynote speaker on Foundation Day of the Department of Design for the Academic year 2019-20. Ms Giannetti is an experienced Chairperson of ‘Vyas Giannetti Creative’, a Branding and Communication Design Consulting with a demonstrated history of working for industry.

Mr Amit Krishn Gulati is an award winning, multifaceted Industrial designer, entrepreneur and design educator with a portfolio in new Product Developments in Healthcare, Hotels & Hospitality, Branding, Built Environments and Retail Experiences.

Mr Sumiran Pandya is an Engineer, designer and researcher with a career spanning over 10 years. A visiting faculty at several design schools, Sumiran is also co-founder and Director of ‘Gaatha’, an e-retail presence for the Indian artisans.

Mr Tony Lopez is the founder and Principal Designer of Lopez Design, is driven by his belief - ‘the why of what we do, is more important than what we do’.

Communication Design Experts:

Mr Gautam Chakraborty, a freelance screenwriter, filmmaker, teacher and multidisciplinary scholar with more than 25 years of experience and a PG Diploma in Cinema, majoring in Film Editing from FTII, Pune and two diplomas from Rome, Gautam Chakraborty offered an elective course for students in Film Appreciation and Critique.

Prof Mahendra Patel, an Emeritus senior typographer and faculty from National Institute of Design, Ahmedabad, Prof Patel has been honoured with “The Gutenberg Award” in 2010 by the International Gutenberg Society, Mainz, Frankfurt, Germany. He has also been honoured with the Design Grandmaster Award during the Icoграда Design Week in India at IIT Bombay in 2007.

Ms Mona Gonnsai, a Graphic designer, with extensive work experience with Lemon Design, Pune, she has worked on corporate identities for prestigious clients such as Eucalyptus- Hyderabad, Otv-Orissa television, Geo Fitness Spa- London and India, Vira Technologies- Singapore amongst others. An alumna of NID, Ahmedabad, she is a visiting expert who spends 8 weeks every semester with our students, teaching them Visual Identity Design.

Mr Arijit Sen Gupta, a graphic artist, cartoonist and designer based in Goa, he has studied graphic design at the National Institute of Design (NID), Ahmedabad. He is a co-founder of People Tree - a collaborative studio and store for artists, designers and craftspeople that has grown since its inception in 1990. Mr Gupta has spent time with students to teach illustration design, to enthuse them to be graphic novelists.

Mr Sadanand Menon works in the charged space between culture and politics and has a distinctive profile linking the spheres of the media, the academy and the arts. He is a nationally reputed arts editor, columnist, photographer, arts curator and stage lights designer. He has been in an executive/advisory

capacity with the National Museum- Delhi, Lalit Kala Akademi -Delhi, National Gallery of Modern Art- Bengaluru, Indian Institute of Advanced Study- Shimla, National School of Drama- Delhi, Board for Intangible Cultural Heritage-Delhi. A trustee of the Raza Foundation- Delhi, of Dakshinachitra- Chennai, he is also the Managing Trustee of the Arts foundation, SPACES- Chennai. Currently he is on the editorial advisory board of Marg Magazine- Mumbai. He is a recipient of Kerala Government's prestigious 'Kesari Balakrishna Pillai Award' (2010) for contribution to art criticism. He has taught our students Communication Theory and Visual Semiotics.

Mr Prosenjit Ganguly, an alumnus and former member of the Faculty of the National Institute of Design, Ahmedabad, he has served as Director of Special Projects, with Toonz Animation India (2002- 2009) creating award-winning animation properties for international broadcasters.

Mr Ashish Dave, a senior Architect and design specialist with more than twenty years of experience in architecture, interior design, graphic design, interaction design, exhibition design, product innovation, visual merchandising and education. He imparted skills to students in building digital web presence.

Mr Parthiv Shah is a visual communicator, documentary filmmaker, photographer, writer and academician. He is the Founder-Director of Centre for Media and Alternative Communication (CMAC), with a rich background in art, photography and design. An alumnus of the National Institute of Design, India, he is a visiting scholar at the SOAS, London University and at the University of California, Davis. Mr Shah comes every year to teach students storytelling with still photography.

Industrial Design Experts:

Dr Soumyajit Ghosal with a 16-year stint at NID Ahmedabad, Dr Ghosal moved to NID Bangalore in 2002 as Center Head and was instrumental in setting up the institute's R&D Campus which was inaugurated in 2006. He offered a workshop in Ergonomics to the students.

Mr Sandeep Sangaru is a multidisciplinary designer, educator, entrepreneur and a photographer - filmmaker. He owns Sangaru Design Studio, a multidisciplinary design consultancy firm and an enterprise, Sangaru Design Objects Pvt Ltd, a manufacturing company based in Bangalore, India. A master of Form, he offered a course in understanding Form and Space.

I- Curricular Aspects:

Initiative/ Innovation in curricular design

1. Communication Theory II

The students of Communication Design - Semester IV were engaged in the Communication Theory II course from 10th - 26th February 2020. The faculty for the course included Prof Nandini Gandhi, Prof Lokesh Ghai, and Prof Tanaya Vyas.

The aim of the course was to introduce the students to various visual narrative cultures, histories and social semiotics embedded within contextual iconographies and semantics as well as their relation with forms of communication. Exploration of the 'framed image' through the medium of representation on paper was provided as the starting point.

As part of the course, various field trips were facilitated to locations within Ahmedabad such as the Kite Museum, the Kalamkhush paper factory, Conflictorium museum etc along with visits to the local markets. The students gathered various materials/objects and created illustrated journals to record first-hand information. Various lectures were organised about semiotic theory and visual analysis of the 'image'. The students were divided into teams and each team decoded the traditional and contemporary visual language of their chosen artefact such as the visual language of firecracker packaging, food menu cards, Indian film DVD covers, wedding photo albums, kites, vintage book cover design etc. The students made presentations and produced printed documents of their study. They gained skills and knowledge to research and critically analyse the content through social, cultural, philosophical and systematic design-focused perspectives.

The learnings were presented through verbal and visual analysis, compiled digitally. Each student contributed with hand drawn illustrations decoding various elements of communication- studying form, colour, narrative, backstory etc.

2. Simple Product Design

Simple Product Design is the first design project for students of Industrial Design. This course plays a pivotal role in students' development. The objective of the course is to look at their surroundings and identify objects/products that we are habituated to and take for granted. The mainstay is to look at unarticulated needs, convert these into opportunity areas and create product innovations. This year three areas were focused on: Kitchen, Bath & Toilet, and Balcony. Students had to study these areas and identify opportunities for innovation. Methods of cleaning, conveniences, multifunctional usage were parameters adopted to develop a range of solutions. Creative and innovative simple objects such as multifunctional spatula, corn peeler, multiple egg boiling device, sliding window cleaning device, dust swiping, cable management system, greens' (methi) peeler, were some interesting project prototypes produced by students.

3. Technically Complex Device

In the Design of Technically Complex Device course, students conducted actionable user research, design frameworks and prototyping to create proof of concept prototypes. The design of Technically Complex Devices is the mainstay of Industrial Design. Dealing with how users engage and use products, this studio expects students to engage deeply with a prospective consumer base, identify key requirements that inform the final design, design for the opportunity identified and finally, prototype to test outcomes. This studio course bridged previous learnings in Human Factors, Consumer research, new Product development engineering, Computer Aided Industrial Design as well as manufacturing knowledge to develop working prototypes of innovative products. Several innovations spanning consumer products, furniture, medical devices, industrial and social innovations were developed in the course. Notable mentions of design prototypes developed included a device to measure moisture in food storage preventing rotting of grains, an electric two wheeler for large offices or academic campuses, an innovative traffic light system, a seating system for children afflicted with cerebral palsy, a large format display system for design exhibitions, an automatic tea brewer for indian offices, amongst several others. Students demonstrated the complete process of industrial design development till prototyping and generated a detailed design document that chronicled decisions and challenges faced. This course was taught by Prof Bhaskar Bhatt and Prof Priyam Parikh.

4. Elements of Space Design

This course was offered to the students of Communication Design, Semester VI. As professionals, communication designers are called in to dress windows, do visual merchandising, build experiential digital and real spaces. The course set out to build a semiotic experience in physical 3 dimensional spaces. Students studied two poignant classic short stories of 20th century India and designed theatre sets for Rabindranath Tagore's 'Kabuliwala' and Sadahat Manto's 'Toba Tek Singh'. Students also took trending themes and built community experiential spaces. In both the assignments, students had to select the relevant spatial location and context for their design project. The design ideas were converted into scaled down models.

II Teaching-Learning and Evaluation:

Faculty completed/pursuing PhD

1. **Prof Kanupriya Taneja** is pursuing PhD in the area of Graphic Design Education from Banasthali University. She will be submitting her PhD in July 2020.
2. **Prof Priyam Anilkumar Parikh** is pursuing PhD in the area of Robotics from Institute of Technology, Nirma University. He has published one journal paper and one book chapter.

Innovation in Teaching - Learning & Evaluation

1. In Publication Design I, Semester V – Communication Design, the course resulted in four well designed books by students of the Department of Design. The details of the books are as follows:

Sr No	Group	Book Theme	Book Title
1.	Group A	Book based on research and documentation undertaken on indigenous packaging graphics as a part of the course, Communication Theory II in Semester IV.	Bidi and Bori – Packaging Graphics
2.	Group B	Book based on Identity Design I - course undertaken in semester III	Identity Please
3.	Group C	Book based on Typography III - Type Design course undertaken in Semester IV	Type Under Construction
4.	Group D	Coffee table book about Nirma University	Nirma University

2. **Basic Typography** was taught by a group of professors with three different expertise:

- a. Prof Mahendra Patel focused on design on typefaces
- b. Prof Nidhi Sah focused on the use of typography in layout design for publications
- c. Prof Amit Kharsani focused on calligraphy using handmade writing tools

3. Activities to sustain healthy practices:

Design being 'Learning by doing', the sports field is often neglected and workshops are the favoured 'playgrounds'. However, a group of students are active players of volleyball, badminton and tennis. A team of women students enthusiasts who regularly play and practice the sport for the joy of play.

Interdisciplinary Student Projects:

Design is an Interdisciplinary course. Almost all courses have convergence with other disciplines. A few students collaborate with students of technology- Mechanical Engineering, Computer Science and Electronics.

Exam Reforms Implemented:

The Department of Design has Continuous Evaluation as its only evaluation method. This consists of evaluation of course work through the semester and the Semester End Jury, where students showcase their work to internal faculty and external experts.

Number of faculty development programmes availed by the faculty members

Faculty Induction programme (FIP) at Nirma University, Ahmedabad organised by the Center for Quality Assurance & Academic Development (CQAAD) from 27th May to 15th June 2019 had participation of the following faculty members:

Sr No	Faculty Participated
1	Prof Tanaya Vyas

III. Research, Consultancy and Extension

Sanctioned Minor Research Projects

Sr. No.	Title of the Project	Project Investigator/s	Funding Agency	Grant (in ₹)
1.	Design and Development of A Vision Based Multi- Degree of Freedom Feeding Robot for Operational Rehabilitation Based On Ergonomic Consideration	Prof. Priram Parikh, Prof. Jatinkumar Dave	Nirma University	1,00,000/-
Total Grant				1,00,000/-

Number of Teachers allowed participation in National /International Conference

Invited/endowment lectures

1. **Prof Kanupriya Taneja, Associate Professor** was invited by Institute of Management, Nirma University, Ahmedabad to deliver a lecture on the 'Visual Side of Branding' on November 8, 2019 for 2nd Year MBA full time students.

2. **Prof Tanaya Vyas, Assistant Professor** participated in the Asian Festival of Childrens' Content Singapore during 5-8 September 2019. As part of the 'Writers and Illustrators' track, she made a presentation titled 'Personal Journeys, Stranger Worlds, New Perspectives: Illustrating Children's Non-fiction in India' and conducted an interactive workshop as part of her presentation. The

presentation highlighted Indian children's books in the contemporary non-fiction publishing scene and also elaborated upon techniques of illustration and storytelling.

3. **Prof Krishna Patel, Adjunct Professor** was invited to teach a course for 4 days at IICD, Jaipur. The subject of the class was Trend and Fashion forecasting. The outcome of the course was a colour forecast for the year 2021 along with a trend forecast for the year 2021.

4. **Prof Nabajit Deka, Assistant Professor** participated in the 19th India Design Summit held between 20 & 21 September 2019 at Dona Paula, Goa. The summit is a platform to create an enduring partnership between design and organisations leading to innovation and increased economic competitiveness. The theme of the Summit was 'Design for Social Sector'. The summit addressed the need of focusing on augmenting design strategies to cater to the problems of the social sector to create a better standard of living. The initiative was aimed at driving the development of rural as well as urban sectors while addressing the needs of the bottom of the social pyramid.

5. **Prof. Sangita Shroff, Professor & HoD**, visited Techtextil India in Mumbai during 20th to 22nd November 2019 with a group of 6 Industrial design students. It is the leading international trade fair for technical textiles and nonwovens offering complete solutions of the entire value chain of 12 application areas such as Agrotech, Sports-tech, Regenerated materials, Automotives etc which addressed various visitor groups.

6. **Prof Sangita Shroff, Professor & HoD**, accompanied 20 students of 3rd Year Industrial Design and Communication Design students to the 14th edition of Pune Design Festival 2020 from 9-11th January 2020. The theme was 'Crossroads' wherein the festival explored the possibilities design brought to cultural phenomena of our times. Students spent an entire day at 2 premier Design studios in Pune- Elephant Design Pvt Limited and Ticket Design. These highly ranked design studios of the country showcased innovative and award winning product design and branding case studies to the students.

Financial Year	National Conference		International Conference	
	No of Teachers	Amount Incurred	No of Teachers	Amount Incurred
2019-20	3	40666/-	2	-

Awards and Recognitions (Department/Faculty)

Faculty Awards and Recognitions: Consultancy/ Project Summary

1. **Prof Krishna Patel, Adjunct Professor** was requested to be one of the 'Assets Assessment Consultant' on the project 'The Establishment of the African Mosaïque Design, Innovation and Craft Centre in Bahir Dar', Ethiopia, which entailed 15 days of field assessment followed by a recommendation report. This project was taken up with necessary permission from NU.

The field research and assessment was carried out from the 29th of February to 14th March 2020. The Establishment of the African Mosaïque Design, Innovation and Craft Centre in Bahir Dar is a project financed under Deutsche Gesellschaft Fur Internationale Zusammenarbeit (GIZ) GmbH's Special

Initiative Jobs, Ethiopia. It will be located at Bahir Dar, Ethiopian Institute of Textile and Fashion Technology (EiTEX) and executed by the Africa Craft Trust which is a South African registered not for profit trust. It implements innovative programmes to generate sustainable business for craft artisans in the developing world.

The report subsequently has been submitted with possible directions for setting up the goals of the project. In addition to the above discussion for an MoU with the Head of Department, EiTEX, Bahir Dar University and Nirma University, DoD was explored. Exchange programme for students and faculty to Bahir Dar University was also explored. The Textile Department is in immediate need of a Faculty training programme in the area of Craft research, Craft documentation and design for a sustainable livelihood and business. Discussions are ongoing for the curriculum development of the incubation centre of the African Mosaïque Design, Innovation and Craft Centre.

2. Two faculty members **Prof Tanaya Vyas and Prof Amishi Vadgama, Assistant Professors** had taken up this project through the university. The Department of Design, Nirma University collaborated with an organization SWATI (Society for Women's Action and Training Initiative), an NGO to work on consultancy projects. It is a community based organisation in Gujarat, that is committed to initiating a mass based rural women's movement through socio-economic empowerment of women and building village level collectives that would federate at the block level.

The project entailed a documentation of SWATI's efforts in creating awareness around rural girls and women's public space safety. As part of this, the faculty team collaborated to design a visually impactful journal/diary (communication material), explaining the context and impact of socially sensitive issues. Project duration: 3 months (November 2019 to January 2020)

Revenue generated

Financial Year	DoD	Consultancy Fees
2019-20	Prof Krishna Patel	USD 2250
	Prof Tanaya Vyas Prof Amishi Vadgama	INR 80000

Extension Activities/Community services by Department

Educational visit for Rural Exposure and Documentation (Jan 27, 2020 to Feb 01, 2020)

In Design, the context is a significant parameter in encompassing geographic, economic and cultural factors of any given space in time. The week long experiential exposure aims at introducing students to developmental initiatives guided by design and socially equitable and sustainable practices by organisations working at the grass roots. The social organisations are selected such that they have designers as key members of the team on the ground, working with the social entrepreneurs, scientist, social workers, communicators and artisans.

A detailed and intensive programme is worked out between the Resource person of the organisation and the Department of Design. Students are oriented to issues in the region, the analysis and methodologies used to dress and solve the needs of the rural stakeholders. The students are required to observe, absorb, immerse and document the processes and place together their learning in the form of a journal/ book/ document, including photographs, sketches and text. Being students of foundation year, this is their first attempt to put together a summation of rural contextual learning.

Three groups of students visited three different non-government organisations and experienced the methodology and works done by them, through lectures as well as hands on assignments from the government. This was a six day programme on field followed by documentation and book creation of this document at the end of this course.

The students learn how design actually works in rural India, through sensitization of the students towards the local community. To understand the role of non-government organisation in our country and to understand the socio-cultural, economical and historical perspective and context of the communities in the villages and how design can improve the quality of lives through design intervention.

New MoU signed/Collaborative activities done related to MoU/ tie-ups with other organization

Sr No	Date of MoU Signed	MoU with
1	07-10-2020	Department of Design, Nirma University signed an MoU with IIT Bombay for result sharing of UCEED examination conducted by IIT Bombay for students seeking admission in institutions offering the Design Discipline.

IV. Infrastructure and Learning Resources:

Computer facilities added:

1. **Desktop**- 30 Desktop (HP Elitedesk Desktop computers)
2. **Wacom**- Cintiq: 2 L Size : 2 M Size : 2
3. **Laptops**: Lenovo Gaming Y540 Notebook : 1
HP 15G-DR0006TX Notebook : 2

Library - Learning resources added:

Books (Vol)	419
Books (Titles)	407
Periodicals (Print)	14
Newspapers	1
Electronic Media	9
Photo Albums	3
Bound Volumes	10
Institute Membership	National Institute of Design

Laboratory facilities: major additions- PG Building, basement floor left side has been planned for the DOD metal, wood and students workshop.

PG Building

Civil work in progress:

PG building, left side of the basement building has been modified to enable the installation and setup of the machinery for students' workshop. This workshop will include both the woodworking and metalworking machinery. This workshop is essential to enable the students to understand production processes and develop their skills in making models and prototypes of their Design Project outcome as working models and products.

The installation of Machinery purchased and received is yet to be done. A large number of essential machines which have been approved are still not purchased due to the pandemic since March 2020.

Report for procurement of tools and workshop machinery and facilities

The Department of Design has constantly worked over development of the workshop facilities for design discipline since October 2019. We have been able to successfully procure some basic hand tools and hand held machines. The process of procurement for the remaining machines is still in process with the purchase department. The workshop facilities are however taking shape as per other processes of procurement and installation schedules.

V- Student Support and Progression

Cut-off percentage marks – 31.51

BDes Admissions 2019-20

15% NRI / NRI Sponsored Category- No candidates admitted

Name of Programme	First Merit No	Last Merit No
Communication Design	1	226
Industrial Design		

Student achievements:

Value added courses: Rural Exposure and Documentation

Number of co-curricular activities organised:

Sr No	Name of Activity/Event	Date	Short Description of the event
1	Ras Garba	19 th Oct 2019	The DOD worked on the creation of artifacts and the necessary ambience for the Ras Garba Event. Ras Garba event was organised with live music where staff, faculty and students of NU were part of the event
2	Short film & Photography Competition	13 th January 2019	A competition on making a short film and an on the spot photography was organised

3	26 th January Celebrations	26 th January 2020	Mr Ashoke Chatterjee was invited as speaker for the 26 January address to the NU community. He was Director of NID for more than 10yrs, and has worked with the UN, Planning commission India and continues his work with the less abled and Craft sector.
4	Women's Day stitching Competition	5 th March 2020	A competition known as "Quilt of Love" was held to sensitise the students towards their opposite sex. Both Male and Female students created some exciting narratives in the quilts from waste fabric.
5	NUZEAL – Fine Arts event	7 th February 2020	An inter-institute event where our students participated actively

Student clubs activities:

Sports Activities – March 2019 to February 2020

It was an exciting opportunity during the Annual Sports Meet of Nirma University, Ahmedabad for the students to showcase their skill, energy and true sportsman spirit. The department of design encouraged the students to take part in all the sports events, motivating and cheering the participants all through the process.

The students brought glory to the department by winning the Gold in two events – Ms Ketaki Shinde bagged gold in 800-meter race (Women) and Ms Prachi Bhagchandani in Shot Put (Women)

Other results are as follows:

- Basketball (Women) – Runner's Up
- Lawn Tennis (Women Singles) – Chandni Desai, Runner's Up

It was also a proud moment for the department when two of its students Ms Tanvi Kumar and Ms Nishi Bhoraniya participated in international/national level competitions and brought accolades for the university and the department.

Youth Welfare and Cultural Activities:

1.Theatre Club: The Theatre Club of Department of Design, Nirma University is a newly formed group of students who are passionate about exploring theatre in its various forms. The club is home to actors, directors, script writers, sound designers and composers, set designers and managers, costume and makeup designers, production managers, and above all, team players.

DoD is often represented at intra-university theatre competitions by its theatre club and is occasionally treated to exclusive productions put up by the members of the club.

The club holds regular meetings and practice sessions on every working Wednesday, that each of its members are required to attend. This is how every member gets to know the others and build a solid foundation of trust that each theatrical performance thrives on. A fresh intake of members is taken every year, in or around the month of September, and the family keeps growing larger.

2. Film Club: The Popcorn Society, Department of Design's film club, commenced on March 19, 2019. The first film screened was 'The Grand Budapest Hotel' with an intention of screening well made films in terms of Screenplay, Story-line, Adaptations, Sound, Editing, Direction and Cinematography. Live-action, animated movies, documentaries, short films, etc. are screened in order to inculcate the sense of appreciating the art and craft of cinema. At the end of each film the various aspects of films and the storyline in depth are discussed, emphasising particularly on hidden elements used by the director to make the film more interesting and an actual work of art compared to just a simple visual story.

The choice of films is not limited by popular culture or by any particular language. Moreover, selection includes films of all languages in order to expand the views and awareness of various cultures and modes of communication. The club's archive consists of critically acclaimed films and of films that were art pieces but failed to entertain people. In the club's opinion films aren't a form of entertainment; they are a medium of learning and educating young minds the art of film making and enlightening with a broader perspective on life.

3. The Photography Club commenced on August 17, 2019 with the intention of creating a community of photographers of the Department of Design, Nirma University. The club consists of members from all the batches of the Department who meet on every working Thursday. A topic is given every two weeks based on which all the club members practice photography followed by an intensive discussion including a critical- appraisal of all these pictures. The club's purpose is to expand the members' knowledge in photography and this is done through intensive discussion of fellow members' and other photographer's work, sharing knowledge on the basics and techniques of photography and related to composition, equipment, editing, watching documentaries, interacting with eminent photographers and going through their work. Social media serves as an important tool in gathering information on fellow photographers of the world and in getting to know about new techniques to be able to make pictures.

The purpose is to grow as a community and as individual photographers through practice and having the pictures criticised constructively by fellow club members. The club also organises photo walks wherein the members go around the city exploring new places and new horizons in their photography skills. The club is more of a Photographers Community where the members learn from each other and from people who are working professionally in this field.

Major Events Organised: Student achievements:

1. Logo Design Competition 2019 by ITNU: The Institute of Technology Nirma University organised a Logo Design Competition on the occasion of Silver Jubilee of ITNU. It was an open call for students, faculty, alumni and staff of Nirma University to design the ITNU logo. Snigdha Suggala, student of 5th Semester- Communication Design discipline of Department of Design NU won the competition. Snigdha describes the logo as a mix of graphic elements that focus on ITNU and the number 25 to celebrate its 25 years of existence. Upon giving it a closer look one can see that the number '2' also looks like a '9'. It makes the whole logo look like '95', which was the year ITNU was established in. So the logo is not only 25 but also 95. The logo represents the various engineering fields ITNU offers. The logo is divided into parts which are individual and detached to symbolise how various autonomous fields come together to form one big institute. The logo has a modern look and feel to it, to keep it relevant to this era.

2. Poster Exhibition: As a part of the celebration of Gandhi Jayanti and to pay homage to the father of nation on his 150th birth anniversary, Institute of Architecture & Planning and Department of Design in collaboration with Student Welfare Board, Nirma University put up an exhibition panel on the theme of “Gandhi’s ideas in the 21st Century”.

An overwhelming response by students and faculty members was received in making more than 200 posters and the collage of sketches/words/graphics/notes and various means of presentation to mark the occasion. Dr Anup K Singh, Director General, Nirma University was there at the exhibition. He interacted with the students and shared his valuable feedback with them. Prof Utpal Sharma, Director, IAPNU; Prof Sangita Shroff, HoD, DoD; Dr Vibha Gajjar, Associate Professor, IAPNU, Dr Bhavesh Parekh, Chief Coordinator, SWB and others were also present at the exhibition.

Centre for
Continuing Education

Preamble:

Continuing Education is a lifelong learning process which meets the variety of needs of Industry, Business and the Community and includes skill training or upgrading of skills and knowledge through competence based education. Resources available in the form of buildings, laboratories, instruments, capability of faculty members, etc can be put to use not only for the students but also for industries, other professionals, & stake holders and to the general public. Industries are constantly changing. Continuing Education is required for workers to stay updated with the latest developments, skills, and new technologies required for their fields. Overall, Continuing Education is considered a way for professionals to keep abreast of their fields, after completion of their regular study, so that they don't lag behind. Also, skill development of community at large is essential to develop self-employability skill of people.

Nirma University believes in providing life enhancing skills and expertise to individuals by offering them various opportunities for learning and educating themselves. Centre for Continuing Education (CCE) is an effort in that direction which was established by Nirma University (NU) in the year 2012. The objectives are to satisfy the needs of all the stakeholders in terms of skill, life and societal development. It is engaged in conducting the need based programmes round the year as proposed by the various constituent institutions of Nirma University. All the programmes organised under CCE are generally conducted and coordinated by the constituent institutions of Nirma University.

Why Centre for Continuing Education (CCE)?

It is often required to complete specialised training to qualify for certain jobs, such as management or administration positions. Obtaining additional **education** can also increase one's marketability in the job market. **Continuing education** is the way to develop new skills or knowledge necessary for a career transition. It has been observed that such centre for continuing education are a boon to all the stakeholders of any organisation or university, as it provides a platform either to showcase your potential or to update your skill and employability level. Not only that, but CCE is also useful to convert unskilled labour force to the skilled one. It is also useful to give a meaning to the job done by the current employees mechanically without understanding. It also works as a bridge to fill the gap between the technological advancement against the current practices. CCE is not limited to the above purposes only. It has unlimited scope of such services to benefit of all kind of community. It helps in speeding up nation's growth by facilitating and creating skilled and need oriented workforce. It is playing a role of catalyst to the skill development mission of Government of India. The University Grants Commission has also given due importance to the establishment and development of Centre for Continuing and Adult Education at all the university. NAAC documents are also emphasising on existence and importance of CCE at university.

The major objectives of CCE are as under:

- To provide Continuing Education, Knowledge, Training facilities, testing facilities etc in various fields to contribute for the social development.
- To design suitable programmes to enhance the skills of an individual so as to improve the quality of human lives through application of knowledge.

- To coordinate for the continuing education programme offered by various Institutes at the University level.
- To assist working professionals in the industry in widening their knowledge base and in improving their skills.
- To arrange Workshops/Lectures/Seminars/ Services on requests.
- To identify employment potential areas and to conduct competency based skilled development programme.
- To identify the training needs of specific sectors and plan and organise suitable training programmes for them.
- To conduct Vocational Training to meet the specific needs of industrial business.
- To conduct Training Programme for Competitive Examination.
- To provide Training to under privileged, nearby village/s, conduct computer literacy programme, etc.
- But not limited to these

CCE can offer...

CCE invites all the stakeholders to propose for their need for specific skill development. CCE is well equipped with the resources and expertise under one umbrella. Considering the facts mentioned above, CCE can offer the training/workshops in the areas like, Engineering and Technology, Management Law, Pharmacy, Science, Commerce, Architecture and Planning, Design, Soft skill, Community services, etc.

Programmes organised by CCE and conducted by constituent institutes of Nirma University:

A total of **twenty (20) programmes** were organised by CCE during April 2019 to March 2020 (Please refer to Annexure-A). Comparative data analysis has been given in Annexure-B for the period of 2017 to 2020.

All the programmes were organised and conducted successfully fulfilling expected outcomes. The participants' feedback reports received are very encouraging and appreciating considering the content and programmes organised. All the coordinators were also very happy with the kind of support and cooperation received from CCE in conduction of the programmes. However, this time, due to the Corona pandemic, the response of the participants was poor for the programmes, which were to be conducted in February-March 2020.

Summary of Programmes carried out during April 1, 2019 – March 31, 2020

SrNo	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)	8	1	6	7
2	School of Technology, Institute of Technology (SoT, ITNU)	7	2	1	3
3	Institute of Management (IMNU)	4	2	1	3
4	Institute of Pharmacy (IPNU)	5	4	0	4
5	Institute of Science (ISNU)	1	1	0	1
6	Institute of Law (ILNU)	2	1	0	1
7	Institute of Architecture and Planning (IAPNU)	2	0	0	0
8	Department of Design (DoDNU)	1	0	0	0
9	Centre for Continuing Education (CCE)	4	1	0	1
Total		34	12	08	20

(A) Programmes Conducted Successfully

Programmes carried out by School of Engineering, ITNU during April 1, 2019 – March 31, 2020

Sr No	Name of the programme	Date	No of Participants			Income (Rs)	Expenditure (Rs)
			Int.	Ext.	Total		
1	Geometric Dimensioning & Tolerancing	April 6, 2019	29	0	29	7250	7070
2	Geometric Dimensioning & Tolerancing (MTech)	April 20, 2019	42	0	42	12600	9331
3	Engineering Graphics - A Language of Engineer	June 10-12, 2019	0	28	28	28000	25820
4	BTech in Manufacturing Technology for the employee of Tata Motors, Sanand Plant	July 07, 2019 to December 31, 2022	0	31	31	930000	291323
5	Design of Experiments using MINITAB	August 31, 2019	32	0	32	13600	9794
6	Geometrical Dimensioning & Tolerancing	October 19, 2019	28	12	40	28400	22288
7	Training on Use of CHEMCAD Simulator in Chemical Engineering	December 30-31, 2019	6	15	21	11250	9906

Programmes carried out by School of Technology, ITNU during April 1, 2019 – March 31, 2020

Sr No	Name of the programme	Date	No of Participants			Income (Rs)	Expenditure (Rs)
			Int.	Ext.	Total		
1	Back End VLSI Design	April 5-6, 2019	9	1	10	10180	8846
2	Secret of Success	February 5, 2020 to March 11, 2020	188	0	188	56400	*
3	Advancements and challenges in Electric Vehicles	March 7, 2020	39	4	43	25700	24132

*Due to the pandemic, the programme has been extended to FY 2020-21.

Programmes carried out by IMNU during April 1, 2019 – March 31, 2020

Sr No	Name of the programme	Date	No of Participants			Income (Rs)	Expenditure (Rs)
			Int.	Ext.	Total		
1	Data Analytics and Business Modelling Using MS Excel	November 16-17, 2019	0	10	10	82600	39689
2	Appreciative Coaching for Performance Excellence	February 28-29, 2020	0	10	10	77644	39599
3	Effective Communications for Higher Performance	March 11-13, 2020	0	6	6	74340	40558

Programmes carried out by IPNU during April 1, 2019 – March 31, 2020

Sr No	Name of the programme	Date	No of Participants			Income (Rs)	Expenditure (Rs)
			Int.	Ext.	Total		
1	Herbal Drug Technology: Emerging Trends, Challenges and Scope	August 17, 2019	22	24	46	16500	14655
2	Seminar on Nanodrug Delivery Systems (SNDD)	October 22, 2019	86	11	97	38400	30519
3	Computer Aided Drug Design software	January 21, 2020	7	26	33	16800	14173
4	One Day Workshop on Medical Writing	February 15, 2020	65	29	94	37250	30505

Programmes carried out by ISNU during April 1, 2019 – March 31, 2020

Sr No	Name of the programme	Date	No of Participants			Income (Rs)	Expenditure (Rs)
			Int.	Ext.	Total		
1	*Flow cytometry in Research and Health Care	March 3-5, 2020	23	4	27	111500	126280

Programmes carried out by ILNU during April 1, 2019 – March 31, 2020

Sr No	Name of the programme	Date	No of Participants			Income (Rs)	Expenditure (Rs)
			Int.	Ext.	Total		
1	Capacity Building Programme on International Taxation	March 07-08, 2020	6	3	9	12500	10446

Programmes carried out by CCE during April 1, 2019 – March 31, 2020

Sr No	Name of the programme	Date	No of Participants			Income (Rs)	Expenditure (Rs)
			Int.	Ext.	Total		
1	GATE Preparation classes-GATE 2021	July 13, 2019	26	0	26	910000	663000

Annexure-B

Comparative data analysis from 2018-19 & 2019-20

1. Number of Programmes Organised under CCE and conducted by various institutes of NU during Year 2018-19 & 2019-20

Sr No	Name of Institute	2018-19	2019-20
1	School of Engineering, Institute of Technology (SoE, ITNU)	11	7
2	School of Technology, Institute of Technology (SoT, ITNU)		3
3	Institute of Management	2	3
4	Institute of Pharmacy	5	4
5	Institute of Science	1	1
6	Institute of Law	2	1
7	Centre for Continuing Education	5	1
8	Institute of Architecture & Planning	3	0
Total		29	20

2. Total number of participants in various programmes organised under CCE and conducted by various institutes of NU during Year 2018-19 & 2019-20

Sr No	Name of Institute	2018-19			2019-20		
		Int	Ext	Total	Int	Ext	Total
1	School of Engineering, Institute of Technology (SoE, ITNU)	223	73	296	137	86	223
2	School of Technology, Institute of Technology (SoT, ITNU)				236	5	241
3	Institute of Management	0	17	17	0	26	26
4	Institute of Pharmacy	98	127	225	180	90	270
5	Institute of Science	41	24	65	23	04	27
6	Institute of Law	52	45	97	06	03	09
7	Centre for Continuing Education	111	0	111	26	00	26
8	Institute of Architecture & Planning	6	31	37	0	0	0
Total		531	317	848	608	214	822

3. Total income of various programmes organised under CCE and conducted by various institutes of NU during Year 2018-19 & 2019-20

Sr No	Name of Institute	2018-19	2019-20
1	School of Engineering, Institute of Technology (SoE, ITNU)	252540	1031100
2	School of Technology, Institute of Technology (SoT, ITNU)		92280
3	Institute of Management	136290	234584
4	Institute of Pharmacy	94450	108950
5	Institute of Science	79100	111500
6	Institute of Law	108400	12500
7	Centre for Continuing Education	2543500	910000
8	Institute of Architecture & Planning	19000	0
Total		3233280	2500914

4. Total expenditure of various programmes organised under CCE and conducted by various institutes of NU during Year 2018-19 & 2019-20

Sr No	Name of Institute	2018-19	2019-20
1	School of Engineering, Institute of Technology (SoE, ITNU)	220233	375532
2	School of Technology, Institute of Technology (SoT, ITNU)		32978
3	Institute of Management	71553	119846
4	Institute of Pharmacy	82604	89852
5	Institute of Science	78019	126280
6	Institute of Law	93802	10446
7	Centre for Continuing Education	1556705	663000
8	Institute of Architecture & Planning	17622	0
Total		2120538	1417934

5. Overall performance of CCE during Year 2018-19 & 2019-20

	2018-19	2019-20
Income, (₹)	3233280	2500914
Expenditure, (₹)	2120538	1417934
Net Balance, (₹)	1112742	1082980
No of Programmes Organised	29	20
No of Participants attended	848	822



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