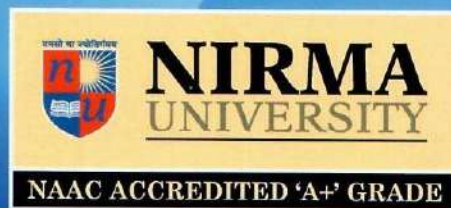


19th Annual Report 2021-2022



19th ANNUAL REPORT: 2021 – 2022

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EXECUTIVE SUMMARY

April 1, 2021 to March 31, 2022

Preamble

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

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

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

The executive summary contains the major accomplishments of the university and its constituent institutes during the financial year 2021-22.

Nirma University

Awards and Achievements

University awarded with NAAC 'A+' grade

The university has been re-accredited with an 'A+' grade with CGPA 3.33 out of 4.00 by the National Assessment and Accreditation Council (NAAC) in the third cycle of re-accreditation. The assessment work was conducted as a part of NAAC's periodic evaluation of the higher education institutes and to promote quality teaching, research, and learning in the higher education institutions across the country. The accreditation is according to the revised A&A framework.

Centre of Excellence status

The Government of Gujarat has granted the status of 'Centre of Excellence' to Nirma University in January 2022. The move will enhance the quality of education, provide impetus to Research and Innovation, and help the University establish a world-class infrastructure for students with high-end technology, student-friendly classrooms, etc.

Rankings

University receives a 5-star rating in GSIRF 2021

Nirma University is awarded a 5-star status with an overall CGPA of 4.20 in the Gujarat State Institutional Rating Framework (GSIRF) 2021 by the Government of Gujarat. Thus, making the university one of the best private universities in Gujarat. The university also saw a significant improvement in its performance compared to the last year where it received an overall CGPA of 3.91.

Nirma University received the following rating in the four evaluation parameters. The maximum rating in any category is 5-stars.

Parameter	Teaching, Learning & Resources (TLR)	Research & Professional Practice (RP)	Graduation Outcomes (GO)	Outreach & Inclusivity (OI)
Rating	****	****	*****	*****

- The university ranks at 9th position in the General Universities (Private) ranking list released by India Today in August 2021 edition.

Major Events Organised

30th Convocation

Nirma University held its 30th Convocation Ceremony on December 17, 2021 in hybrid mode where 2,383 students from various institutes of the University received their degrees. The Chief Guest for the occasion was Mr Shrikant Madhav Vaidya, Chairman, Indian Oil Corporation Limited.

Institute of Technology

Rankings

The prominent rankings are highlighted as under:

- Ranked 4th among the Top Leading Engineering Colleges of Super Excellence in India, and placed at 1st position among the Top Engineering Colleges in Gujarat as per the Competition Success Review.
- Ranked 4th under Top 125 Private Engineering Institute Rankings 2021 by Times of India Ranking.

MoUs Signed

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

- Milacron India Pvt Ltd, Ahmedabad on March 17, 2022
- V360 Technology Inc, New York, USA on March 10, 2022
- B&R Industries Automation Pvt. Ltd. Pune on December 01, 2021
- Finecure Pharmaceuticals Ltd., Ahmedabad on November 23, 2021
- Larsen & Toubro Limited, Mumbai on October 26, 2021
- Azure Knowledge Corporation Pvt. Ltd. Ahmedabad on September 06, 2021
- Secure Meters Ltd., Udaipur on July 08, 2021
- NVIDIA Corporation, USA on July 02, 2021

Faculty Awards and Achievements

- Dr Sanjay S Patel, Institute of Technology has been awarded the ‘Faculty Chair Professor position’ by the Nirma Limited. The objective of creating the Nirma Ltd Chair is to promote research and academic work in the concerned area.

Students Awards and Achievements

SAE Nirma Collegiate Club wins the Championship Trophy

Team Stallions (SAE Nirma Collegiate Club) representing the Institute of Technology, Nirma University won the Championship trophy in Asia's biggest solar vehicle championship ESVC 2021 (Electric Solar Vehicle Championship) organised by ISIE India in Chandigarh from Dec 24-28, 2021 at Chandigarh Group of Colleges, Jhanjeri. Team Stallions won the ESVC championship and earned a total cash prize of more than Rs 1.5 lakh. Among a total of nine rounds including technical inspection round, acceleration test, brake test, hill climb test, cross-pad test, off-road test, solar round, autonomous round, and endurance round, the Stallions were ranked 1st in 8 rounds. 22 teams from different parts of the country participated in the competition.

SAE India Southern Section Aero Design Challenge 2021

Team Arrow comprising students from Institute of Technology (Vedant H Soni, Vivek Pragda, Yashkumar Patil, Jayraj Gohel, Harshvardhan Saxena, Jemin Mangukiya, Dhaval Joshi, Devansh Rana, Divyesh Ranpariya, Kaushik Thumar, and Pranshav Gajjar) received the 1st position in the Overall Performance Award Category, and 2nd position in the Best Design Report Award Category in the SAE India Southern Section Aero Design Challenge 2021 in the Micro Class Category in Aug 2021. The online event had five scoring stages, namely: Video presentation, Design report, Technical presentation, Fabrication report, and Application report.

Major Events Organised

FTNCT 2021: The Computer Science & Engineering Department hosted Scopus Indexed 4th International Conference on Futuristic Trends in Networks and Communication technologies (FTNCT) on December 10-11, 2021. Shri Nilesh M Desai, Director, Space Applications Center, ISRO was the Chief Guest, and Dr. Rajeev Sharma, Scientist-F, Frontier and Futuristic Technologies (FFT) Division, Department of Science & Technology (DST), Government of India was the Guest of honour.

RAMAN 2022: The International Conference on "Recent Advancements in Materials Science and Nanotechnology (RAMAN)- 2022" was organised by the Department of Electronics and Communication Engineering during February 04-05, 2022 funded by GUJCOST. Dr. Tanusri Saha Dasgupta (Director, S N Bose National Centre for Basic Sciences) was the Chief Guest at the inaugural function.

Institute of Management

Rankings

The prominent rankings are highlighted as under:

- Ranked as 5th Best Private B-School pan India and also listed in the A1 category among the top 30 B-Schools in the country by Business Standard, published in February 2022.
- Ranked 6th best B-School among Top Private B-Schools in India by CSR-GHRDC B-School Survey and published in Competition Success Review, November, 2021.

Faculty Awards and Achievements

- Prof Pradeep Kautish, Associate Professor, Institute of Management received Emerald Literati Award by Journal of Fashion Marketing and Management in June 2021.
- Dr Nityesh Bhatt, Institute of Management has been awarded the 'Faculty Chair Professor position' by the Nirma Limited. The objective of creating the Nirma Ltd Chair is to promote research and academic work in the concerned area.

Major Events Organised

- 25th Nirma International Conference on Management (**NICOM 2022**) was organised by Institute of Management during February 17-19, 2022. The central theme of the conference was “Strategies for Architecting Sustainable Competitive Excellence: Reimagining the Future”.
- Institute of Management celebrated its **Silver Jubilee** on Sep 24, 2021 in a hybrid mode and reached around 1600 attendees through various platforms. Mr Suresh Narayanan, Chairman and Managing Director, Nestle India Limited, addressed the gathering.

Institute of Pharmacy

Rankings

The prominent rankings are highlighted as under:

- Institute of Pharmacy received 20th rank at the All-India Level in the National Institutional Ranking Framework (NIRF 2021) by the Ministry of Education, Government of India.
- Institute received the First Rank amongst the Pharmacy colleges in Gujarat state with Five Star rating and overall CGPA of 4.8 in Gujarat State Institutional Rating Framework (GSIRF) 2021 ratings by the Knowledge Consortium of Gujarat, Department of Education, Government of Gujarat.

International/National MoUs

Institute has signed a new International MoU with Binghamton University, New York, USA and with this, a total of 7 International MoUs are active with reputed international institutes. Four new national MoUs were also signed with the industry/hospital.

Faculty Awards and Achievements

- Dr Bhoomika M Patel was awarded with APTI young Pharmacy Teacher Award for the year 2021.
- Dr Priti Mehta, Institute of Pharmacy has been awarded the ‘Faculty Chair Professor position’ by the Nirma Limited. The objective of creating the Nirma Ltd Chair is to promote research and academic work in the concerned area.

Students Awards and Achievements

- Ms Kanchan Lohana, MPharm Sem-I student secured second position in the SCOPE state level debate competition organised by SCOPE- a Gujarat Government Initiative held on December 18, 2021.

Major Events Organised

- Institute organised virtual 6th Nirma Institute of Pharmacy International Conference jointly with Indian Pharmacological Society (**NIPICON-IPS-2022**) during February 17-19, 2022.

Institute of Science

Faculty Awards and Achievements

- Dr Sriram Seshadri was awarded with Young Research Award-2021 for Publication in "Carbohydrate Polymers" by Institute of Scholars, Chikmagalur, Karnataka. Dr. Seshadri was awarded with Education Excellence Award-2021, an award for Contribution to Education Community by Kites Kraft Educational Initiatives, Ludhiana.
- Dr Vijay Kothari served as an editor for the Book titled 'Wound Healing Research: Current Trends and Future Directions' Springer Nature Singapore Pte Ltd. DOI: 10.1007/978-981-16-2677-7.

Students Awards and Achievements

- Shrishti Biswas, PhD scholar received SHODH Fellowship vide Award Letter for stipend for SHODH Scheme of Education Department, Gujarat.
- Gemini Gajera, PhD scholar received SHODH Fellowship vide Award Letter for stipend for SHODH Scheme of Education Department, Gujarat.

Major Events Organised

National Science Day Celebration: On February 28th 2022, the Institute of Science celebrated the National Science Day 2022 on the theme 'Integration of Science and Technology for the Sustainable Future'. Dr Urszula Krzych, Chief, Cellular Immunology Lab at the US Military Malaria Vaccine Development Programme, Walter Reed Army Institute of Research, USA delivered an expert lecture on "T cell-based Vaccines, Examples from Malaria".

Institute of Law

Awards

Institute of Law received the IP Hall of Fame Honours 2021 Award under the category, "IP Campus of the Year, 2021 (Legal)" for "IP Awareness and Dissemination" activities on September 30th, 2021 from the Intellectual Property Protection Organisation (IPPO), Ahmedabad, an IP Promotion and Outreach Foundation.

MoUs

Institute of Law signed an MoU with Paryavaran Mitra (NGO) on January 05, 2022.

Students Awards and Achievements

Suchetna Chakarborty from semester III represented the Institute in National Level Sports Fiesta organised at KIIT Bhubaneswar under Khelo India University Games 2021 in area of Swimming. She won a bronze medal in the category of Butterfly (200 m).

Major Events Organised

International Teaching Month

The Institute organised an International Teaching Month from February 8-25, 2022 and hosted over 40 eminent speakers from across the globe from renowned universities including Penn State Law, Hull University, University of Wisconsin, University of Piura, University of Szeged, Faculty of Law-Muni, University of Dhakha, Columbia University, Seattle University, University of Zagreb, Comillas University, and University of Notre Dame, among others.

National Symposium on Copyright Issues in the Indian Film and Entertainment Industry

The Centre for Intellectual Property Rights, Institute of Law organised a National Symposium on “Copyright Issues in the Indian Film and Entertainment Industry” in collaboration with Intellectual Property Protection Organisation (IPPO) on May 8, 2021. Mr Rodney D Ryder, Founding Partner of Scriboard Advocates, and Legal Consultants, New Delhi, and Mr Nishad Nadkarni, Partner in Intellectual Property at Khaitan and Company, Ahmedabad were the keynotes speakers.

National Moot Court Competition

The Institute of Law organised the 10th Edition of National Moot Court in collaboration with Competition Commission of India, and Vaish Associates through online mode from April 16, 2021 to April 18, 2021.

Institute of Architecture & Planning

International/National MoUs

Institute signed International MoUs with FHWS (Hochschule für angewandte Wissenschaften Würzburg-Schweinfurt, Germany), on September 3, 2021; and with School of Architecture and Engineering Technology, Florida Agricultural and Mechanical University (FAMU), on December 28, 2021.

It signed National MoUs with Neprise Consulting Pvt Ltd on August 2, 2021; and with Manav Sadhna NGO on November 24, 2021.

Major Events Organised

- Institute of Architecture & Planning along with its 16 partner institutes organised its first **International Conference on ‘Future is Urban’: Liveability, Resilience & Resource Conservation** from December 16-18, 2021.

Institute of Commerce

Major Events Organised

Institute of Commerce hosted the **National Level Case Analysis Competition (NLCAC 2.0)** on the theme ‘Bridging the Gap between Rhetoric and Practice of Sustainable Management’ in association with the Indian Society for Training and Development (ISTD, Ahmedabad Chapter) on April 27, 2021.

Institute of Design

MoUs

The Institute signed MoU with 2 organisations; WIN Foundation, India (Winners India Network) and Arid Communities and Technologies, Kutch (ACT) in November 2021. The WIN Foundation is a funding organisation committed to serving towards Sustainable development goals, and Women and Child development. Arid Communities and Technologies has expertise in Conserving and increasing ground water resources.

Students Awards and Achievements

- Palak Paun, a final year Communication Design student, received the first runner up position in the Pune Design Festival's Battle of Projects, Film and Animation category for her Degree project film 'Sparsh'.
- Palavi Jain, a second year Industrial Design student, won the 3rd prize in the International poster competition organised by Gandhi Research Foundation.

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 (2020-21) are as listed in the table underneath:

Major and Minor Research Projects

(Amount in Lacs)

Type of Research Projects	Projects Sanctioned during the year				Total ongoing Research Projects as on 31.03.2022	
	2020-21		2021-22		Number	Amount
	Number	Amount	Number	Amount		
Major (External)	09	368.42	17	428.33	37	1199.34
Major (Internal)	01	28.40	1	30.00	03	88.31
Minor (External)	03	7.38	-	-	-	-
Minor (Internal)	34	30.67	47	41.57	47	41.57
Grand Total (Major & Minor)	47	434.87	65	499.90	87	1329.22

Research Publications

Year	National Journal	International Journal
	Total number of papers published	Total number of papers published
2021-22	28	331
2020-21	27	235

Patents

4 Patents Granted 2 from Institute of Technology and 2 from Institute of Pharmacy during the year 2021-22, whereas 4 patents have been filed 2 from Institute of Technology and 2 from Institute of Pharmacy.

Books Published

The faculty members of the constituent institutes of the university published 18 books during the year 2021-22.

PhD

During the year, 79 students have been registered for the PhD programmes. 48 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, 2022 is 342, which excludes 48 students awarded degree and 18 students whose admissions were cancelled. 25 new faculty members were newly recognised as PhD guides during the financial year, which brings the number of recognised guides to 216 (as on March 31, 2022). It includes internal and external guides.

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 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 Institute 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, 2021 to March 31, 2022**.

Innovative Initiatives

Electric Charging Station at the University

An electric vehicle (EV) charging station was inaugurated at the university campus on August 15, 2021. The charging station is installed under the Go Electric campaign scheme of the Gujarat Energy Development Agency (GEDA). With this, the university became the first university of the Gujarat state to host and promote the Electric Vehicle charging infrastructure.

University releases book on ‘Re-Imagining Management Education in the 21st Century: The Way Ahead’

Today’s management education is changing rapidly and offers opportunities as well as challenges for all the stakeholders. Management education has to be dynamic, driven by changes in the business world, globalisation and technological revolution. Keeping this in mind, Nirma University with the publisher Bloomsbury came up with the book, ‘Re-Imagining Management Education in the 21st Century: The Way Ahead’. Dr Nina Muncherji, Associate Professor, Institute of Management, Nirma University is the editor of the book released in February 2022.

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 12 – 16]

This year the University conducted meetings of 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 Academic Regulations of Master of Architecture (M.Arch.) programme under Faculty of Architecture & Planning, (Resolution No. 5(I)(a) dated 04.12.2021)
- b) award of separate degrees to the students of Integrated BBA-MBA programme for both the phases, i.e., Bachelor of Business Administration (BBA) for undergraduate-phase and Master of Business Administration (MBA) for post-graduate phase on successful completion of academic requirements, (Resolution No. 5(II)(c) dated 04.12.2021)
- c) Award of degrees to 2383 candidates of various U.G, P.G and Ph.D. programmes in the 30th Convocation held in hybrid mode on 17.12.2021, (Resolution No. 5(II)(e) dated 04.12.2021)

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

- revision in the curricula of Semester-VII and VIII of B.Tech. programmes by way of replacing with new Teaching & Examination Scheme and revision in Syllabi in supersession of existing curricula, (Resolution No. 3(A)(D) dated 30.06.2021)
- introduction of Syllabi of various courses of Semester-III and IV of MCA (2 years Programme), (Resolution No. 3(A)(G) dated 30.06.2021)
- revision in the Programme Structure of MBA programmes, to be made effective for the students to be admitted in MBA programmes, (Resolution No. 5(II)(A) dated 30.06.2021)
- revision in the Programme Structure of Integrated BBA-MBA programme Syllabi, (Resolution No. 5(II)(C) dated 30.11.2021)
- introduction of Bank of Thrust Areas for Research, (Resolution No. 9(C) dated 30.11.2021)

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

Postgraduate Teachers recognised in Institutes of Technology, Pharmacy and Law

During the year, **03** faculty members have been given recognition as Postgraduate Teachers (PGT) in the different areas as per the details given below. The total number of faculty members recognised as PGT as on 31.03.2022 is **168** as under:

Table No. 1

Branch	No. of faculties given recognition during the year 2020-21	No. of faculties given recognition during the year 2021-22	No. of faculties retired/resigned in 2021-22	Total No. of recognised PGT available as on	
				31.03.21	31.03.22
1. Institute of Technology	02	03	04	141	140
2. Institute of Pharmacy	02	--	--	23	23
3. Institute of Law	--	--	02	7	5
Total	04	03	06	171	*168

* Includes 29APGTs

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

Postgraduate Registration

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

Table No. 2

Faculty	Programme		No. of students registered during the year				Total students on roll			
			20-21		2021-22		31.03.21		31.03.2022	
			Total	Boys	Girls	Total	Total	Boys	Girls	Total
Technology & Engineering	i)	PhD (Full time)	14	08	09	17	30	21	23	44
	ii)	PhD (Part-time)	20	11	04	15	111	80	29	109
	iii)	M. Tech	160	101	40	141 ^a	315	228	64	292
	iv)	MCA	71	52	19	71	203	137	67	204
Management	i)	PhD (Full time)	05	0	06	06	29	04	26	30
	ii)	PhD (Part-time)	05	07	03	10	21	14	12	26
	iii)	MBA	235	186	112	298 ^b	485	335	199	534
	iv)	MBA (FB&E)	48	46	6	52	104	86	14	100
	v)	MBA(HRM)	38	9	19	28	38	25	41	66
	vi)	Int. MBA	64	32	38	70	136	62	72	134
Pharmacy	i)	PhD (Full time)	12	04	08	12	36	14	23	37
	ii)	PhD (Part-time)	06	04	04	08	33	16	12	28
	iii)	MPharm	47	19	36	55 ^c	106	33	68	101

Science	i)	PhD (Full time)	10	0	07	07	22	03	22	25
	ii)	PhD (Part-time)	04	01	01	02	21	09	08	17
	iii)	MSc	107	20	70	90	187	37	160	197
Law	i)	PhD (Full time)	01	-	-	-	01	0	01	01
	ii)	PhD (Part-time)	06	-	-	-	18	08	07	15
	ii)	LLM	26	08	22	30	26	8	22	30
Architecture & Planning	i)	PhD (Part-time)	03	01	01	02	08	04	06	10
Total			882	509	405	914	1930	1124	876	2000

^a Includes 1 student under CIWGC Category

^b Includes 4 students under CIWGC Category

^c Includes 1 student under PIO Category

Enrollment

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

Table No. 3

Faculty	Programme	No. of students enrolled During the year in				Total students on roll				
		20-21	2021-22			31.03.21	31.03.2022			
		Total	Boys	Girls	Total	Total	Boys	Girls	Total	
Technology & Engineering	i)	B. Tech	984	798	161	959 ^a	4116	3616	612	4228
		Diploma to Degree	102	112	12	124				
Management	i)	BBA	228	120	105	225 ^b	544	331	300	631
	ii)	B. Tech-MBA	88	49	19	68	88	112	39	151
Pharmacy	i)	BPharm	115	39	65	104 ^c	449	211	237	448
	ii)	B. Pharm (D to D)	01	-	-	-				
Law	i)	B. A, LLB	180	74	103	177 ^d	654	337	372	709
	ii)	B. Com, LLB	121	51	78	129				
Architecture & Planning	i)	B. Arch	87	37	58	95 ^e	403	165	259	424
	ii)	B. Plan	-	-	-	-				
Commerce	i)	BCom (Hons)	172	80	67	147 ^f	356	249	190	439
Design	i)	B. Design	74	23	73	96 ^g	298	90	238	328
Total			2152	1383	741	2124	7446	5374	2549	7923

The total strength of students on the campus in the year 2021-22 is 9923.

In addition to above, 18 students were admitted in EDP Programmes (duration of 33 Sundays) offered by Institute of Management.

^a Includes 59 students admitted on supernumerary seats in CIWGC-SEA+PIO+FN and 37 students admitted under Tuition Fee Waiver Scheme and 02 student under Physically Handicapped category

^b Includes 13 students admitted on supernumerary seat in CIWGC+PIO category

^c Includes 4 student admitted on supernumerary seat in CIWGC-SEA category

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

^e Includes 5 student admitted on supernumerary seat in CIWGC-SEA category

^f Includes 2 student admitted on supernumerary seat in CIWGC-SEA category

^g Includes 4 student 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 2020-21 & 2021-22				Total Existing Students in supernumerary categories as on 31.03.2021 & 31.03.2022			
	CIWGC-SEA		PIO		CIWGC-SEA		PIO	
	20-21	21-22	20-21	21-22	31.3.21	31.3.22	31.3.21	31.3.22
BTech	47	47	03	11	124	139	19	24
BPharm	02	04	01	-	08	07	06	02
BA/ BCom. LLB	02	01	-	-	05	06	-	-
BBA-MBA	06	12	01	01	30	26	04	04
BCom (Hons)	01	02	-	-	03	04	03	01
MBA	07	04	-	-	13	11	-	-
MTech	-	01	-	-	-	01	-	-
MPharm	-	-	-	01	-	-	-	01
BArch	02	05	-	-	02	07	-	-
BDes	01	04	-	-	04	08	-	-
Total	68	80	05	13	190	209	32	32

Category-wise students

The break-up of category-wise number of students admitted and total existing strength in the year 2020-21 & 2021-22 are as under (including UG/ PG):

Table No. 5

Institute	Category wise number of Students admitted during the year 2020-21							Category wise number of Students admitted during the year 2021-22						
	Open	SC	ST	SEBC	PH	J&K Migrant	Total	Open	SC	ST	SEBC	PH	J&K Migrant	Total
IT-NU	1045	53	31	221	1	--	1351	950	60	38	276	2	1	1327
IM-NU	647	--	--	--	--	--	647	757	-	-	-	-	-	757
IP-NU	158	12	2	9	--	--	181	145	7	2	25	-	-	179
IS-NU	106	3	--	12	--	--	121	87	3	-	9	-	-	99
IL-NU	331	--	--	3	--	--	334	333	-	-	3	-	-	336
IAP-NU	73	2	--	15	--	--	90	81	3	-	13	-	-	97
ICNU	159	1	--	12	--	--	172	142	-	1	4	-	-	147
IDNU	70	--	--	4	--	--	74	93	-	-	3	-	-	96
Total:	2589	71	33	276	1	--	2970	2588	73	41	333	2	1	3038

Table No. 6

Institute	Category wise Cumulative Existing Students as on 31.03.2021							Category wise Cumulative Existing Students as on 31.03.2022						
	Open	SC	ST	SEBC	PH	J&K Migrant	Total	Open	SC	ST	SEBC	PH	J&K Migrant	Total
IT-NU	3928	155	111	566	11	03	4774	3933	166	131	633	12	2	4877
IM-NU	1445	-	-	-	-	-	1445	1672	-	-	-	-	-	1672
IP-NU	526	31	7	54	5	01	624	518	28	9	52	6	1	614
IS-NU	198	7	-	25	-	-	230	208	6	-	23	2	-	239
IL-NU	1139	0	-	27	-	-	1166	1259	-	-	31	0	-	1290
IAP-NU	395	13	4	70	1	-	483	377	16	5	65	1	-	464
IC-NU	356	-	-	-	-	-	356	434	-	1	4	-	-	439
ID-NU	285	2	-	11	-	-	298	310	2	-	16	-	-	328
Total:	8272	208	122	753	17	04	9376	8711	218	146	824	21	3	9923

Eligibility and Migration Certificates

During the year, the University has issued 2163 Eligibility and 362 Migration Certificates.

Research

PhD Programmes

During the year 2021-22, 25 additional faculty members have been given recognition for guiding to research Scholars from the Faculty members working under the University. The details are given in Appendix – C [page 18]. The cumulative existing number of available recognised PhD Guides as on 31.03.2022 is **216**. Faculty wise details are as under:

Table No. 8

Faculty	PhD Guides Recognized during the year		Total Available Recognized PhD Guides as on			
	2020-21	2021-22	31.03.2021	31.03.2022*		
			Total	Internal	External	Total
Technology & Engineering	16	14	77	80	10	90
Management	02	03	21	24	-	24
Pharmacy	-	03	22	21	03	24
Science	01	03	70	16	55	71
Law	-	02	03	05	-	05
Architecture	-		02	02	-	02
Total	19	25	195	148	68	216

* This figure does not include the 4 recognised faculty members who left the Institution.

During the year, **79** additional students have been registered for the PhD Programmes. 48 students have been awarded the PhD Degree; details are given in Appendix–D [page 19 – 21]. The cumulative total number of students registered for PhD on 31.03.2022 is **342**. This figure does not include the 48 students who are awarded degree and **18** students whose admissions are cancelled due to non-compliance of Academic Requirement / Voluntary withdrawal.

Research Projects

Research Projects

Table No. 9

(Amount in Lakhs)

Type of Research Projects	Projects Sanctioned during the year				Total ongoing Research Projects as on 31.03.2022	
	2020-21		2021-22		Number	Amount
	Number	Amount	Number	Amount		
Major (External)	09	368.42	17	428.33	37	1199.34
Major (Internal)	01	28.40	1	30.00	03	88.31
Minor (External)	03	7.38	-	-	-	-
Minor (Internal)	34	30.67	47	41.57	47	41.57
Grand Total (Major & Minor)	47	434.87	65	499.90	87	1329.22

Funding agency wise details of Research Projects during the Financial Year 2020-21 & 2021-22

Table No. 10

(Amount in Lakhs)

Type of Research Projects	Funding Agency	2020-21		2021-22	
		Number	Amount	Number	Amount
Major (External)	SERB	1	18.30	2	46.94
	GUJCOST	3	87.91	2	38.38
	DBT	1	89.36	-	-
	Erasmus	2	137.83	-	-
	AP Organics Pvt Ltd	2	35.02	-	-
	ISRO	-	-	2	42.36
	GSBTM	-	-	4	117.66
	DST	-	-	2	32.20
	LJMU-UK	-	-	1	52.50
	ICMR	-	-	1	46.32
	LLC-USA	-	-	1	26.25
	Saurashtra Chemicals	-	-	1	15.77
	Azim Premji	-	-	1	9.95
	Total		09	368.42	17

Major (Internal): Nirma University		01	28.40	1	30.00
Total (Major)		10	396.82	18	458.33
Minor (External)	Atomwise Inc., USA	2	5.38	-	-
	QR Global Challenges	1	2.00	-	-
	Total	3	7.38	-	-
Minor (Internal): Nirma University		34	30.67	47	41.57
Grand Total		47	434.87	65	499.90

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

Table No. 11

Revenue Generated	2020-21		2021-22	
	Consultancy/Testing/Training		Consultancy/Testing/Training	
Total	60.72		54.5	

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
2021-22	28	05	1.01	331	237	3.58
2020-21	27	10	1.32	235	209	2.80

Personnel and Administration

During the year 2021-22, total **7** advertisements were published for filling up teaching and non-teaching posts. Out of the applications received, **63** appointments have been made for teaching posts out of which **1** internal candidate is appoint at higher post through direct recruitment and **30** 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	HoI/Professor						Associate Professor					
	Appointed during		Left during		Total existing as on		Appointed during		Left during		Total existing as on	
	20-21	21-22	20-21	21-22	31.03.21	31.03.22	20-21	21-22	20-21	21-22	31.03.21	31.03.22
IT-NU	-	02	03	01	22	24	-	01	02	02	31	31
IM-NU	-	01	01	-	05	08	-	-	-	-	11	12
IP-NU	-	-	-	-	04	04	-	-	-	-	04	06
IS-NU	-	-	-	01	02	01	-	-	-	-	-	-
IL-NU	-	03	-	-	01	07	-	-	01	01	02	01
IAP-NU	-	-	-	-	03	03	-	01	-	-	03	04
IC-NU	-	-	-	-	01	01	-	01	-	-	-	01
ID-NU	-	01	-	-	01	03	-	-	-	-	01	02
Total	-	07	04	02	39	51	-	03	03	03	52	57

Table No. 14

Institutes	Assistant Professor					
	Appointed during		Left during		Total existing as on	
	2020-21	2021-22	2020-21	2021-22	31.03.21	31.03.22
IT-NU	10	26	16	22	158	160
IM-NU	03	06	02	06	40	39
IP-NU	-	01	04	-	15	14
IS-NU	-	02	01	01	06	07
IL-NU	09	12	19	07	33	38
IAP-NU	-	-	03	02	18	16
IC-NU	02	02	03	-	07	09
ID-NU	03	04	02	03	07	08
Total	27	53	50	41	284	291

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	
	20-21	21-22	20-21	21-22	31.03.21	31.03.22	20-21	21-22	2020-21	2021-22	31.03.21	31.03.22
IT-NU	10	29	21	25	211	215	-	06	02	06	113	113
IM-NU	03	07	03	06	56	59	01	09	03	07	48	49
IP-NU	-	01	04	-	23	24	01	01	-	01	21	21
IS-NU	-	02	01	02	08	08	-	01	01	01	08	08
IL-NU	09	15	20	08	36	46	01	01	-	02	16	15
IAP-NU	-	01	03	02	24	23	-	01	-	01	08	08
IC-NU	02	03	03	-	08	11	-	02	-	01	02	03
ID-NU	03	05	02	03	09	13	01	04	-	03	05	07
Central Office							06		01	07	42	39
Total	27	63	57	46	375	399	04	30	07	29	262	263

The total staff available as on 31.3.2022 in the University is 662* [Teaching = 399 + non-teaching = 263]

* This does not include employees deployed by external agencies through contract.

Note:

1. There were 8 Adjunct faculty in the year 2020-21, out of which 7 are redesignated as Professor and 1 is redesignated as Associate Professor in 2021-22
2. There are 2 faculty members are redesignated as Assistant Professor from Associate Professor

Visiting Faculty members

Table No. 16

Institute	Visiting Faculty	
	2020-21	2021-22
Institute of Technology	12	19
Institute of Management	59	89
Institute of Pharmacy	09	08
Institute of Science	02	05
Institute of Law	12	17
Institute of Architecture	56	72
Institute of Commerce	07	09
Institute of Design	57	65
Total:	214	284

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

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 31.03.22	21-22	Total till 31.03.22
21-22	Total till 31.03.22	21-22	Total till 31.03.22	21-22	Total till 31.03.22	21-22	Total till 31.03.22				
IT-NU	04	77	13	23	04	12	01	03	115	82	254
IM-NU	03	04	-	-	01	01	-	01	06	24	58
IP-NU	-	08	03	04	02	04	-	-	16	14	36
IS-NU	-	03	02	03	-	-	-	01	07	06	12
IL-NU	-	01	-	01	-	-	-	-	02	04	11
IA-NU	-	-								05	05
IC-NU	-	-								01	01
ID-NU	-	-								01	01
Central Office										16	76
Total	07	93	18	31	07	17	01	05	146	153	454

Note: In addition to above 5 Faculty Members have been Appointed from Adhoc to Regular basis.

* 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 7 faculty members have been deputed/permitted from the Institutes for Higher Studies (PhD). The details of which is given as under:

Faculty Members Deputed/Permitted for PhD

Table No. 18

Institutes	Deputed / Permitted in the year		Already Deputed/Permitted since previous years (i.e., up to 31.03.2021)	Cumulative as on 31.03.2022
	2020-21	2021-22		
IT-NU	07	06	162	168
IM-NU	-		06	06
IP-NU	-		11	11
IL-NU	-		04	04
IAP-NU	-		07	07
IC-NU	-	01	-	01
Total	07	07	190	197*

* 20 Faculty members discontinued/left without completing their PhD

Faculty members Completed/Pursuing PhD

Table No. 19

Institute	Completed higher studies (Ph. D)			Faculty members pursuing Ph. D as on 31.03.2022
	2020-21	2021-22	Cumulative as on 31.03.2022	
IT-NU	04	04	78	73
IM-NU	-		05	-
IP-NU	-		10	-
IL-NU	-		-	04
IAP-NU	-		-	06
IC-NU	-	-	-	01
Total	04	04	93	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 2020-21 & 2021-22 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 Lakhs	
		2020-21	2021-22	2020-21	2021-22
1	Based on Merit	297	327	280.53	332.61
2	Merit cum means	277	325	271.47	349.95
3	Stipend to PG Students	506	506	204.76	192.90
4	Fellowships to Doctoral Students	61	82	50.93	146.14
5	Students needy fund	14	21	16.44	23.01
6	100% subsidy on Interest on Education Loan	04	03	1.14	0.95
7	50% subsidy on Interest on Education Loan	01	01	0.16	0.21
Total		1160	1265	825.43	1045.77

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	ID-NU	Total
Number of students	993	02	43	15	04	40	04	01	1102

Infrastructure Development

During the Financial Year 2021-22, expenditure for development of infrastructure facility has been made as per the following details:

Table No. 22

(₹ in Lakhs)

Description	Institute wise expenditure during the year 2021-22									Total	
	ITNU	IMNU	IPNU	ISNU	ILNU	IANU	NU	ICNU	IDNU	2020-21	2021-22
Equipment	155.67	30.95	108.43	6.82	7.50	27.81	359.39	0.00	40.03	815.85	736.60
Computers	384.66	178.92	31.48	8.89	39.99	2.95	49.90	27.80	19.82	119.44	744.41
Books	2.86	0.98	2.16	0.68	6.54	4.97	0.00	0.20	2.44	5.72	20.83
Vehicles	0.00	0.00	7.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.80
Furniture & Fixtures (incl. WIP)	54.06	4.53	79.47	0.00	0.79	0.00	639.95	0.00	93.76	455.54	872.56
Building	0.0	0.00	0.00	26.36	0.00	0.00	2782.29	0.00	0.00	3627.67	2808.65
Building (WIP)	0.00	0.00	0.00	0.00	0.00	0.00	510.43	0.00	0.00	509.37	510.43
Total	597.25	215.38	229.34	42.75	54.82	35.73	4341.96	28.00	156.05	5533.59	5701.28

The total amount spent in the Financial Year 2021-21 for above infrastructure comes to ₹ **5701.28** lakhs

Staff Welfare Activities

Reimbursement of Expenditure to the Employees of the University for the year 2021-22 are as under:

Table No. 23

(₹ in Lakhs)

Description	Institute wise expenditure during the year 2021-22										Total	
	ITNU	IMNU	IPNU	ISNU	ILNU	IANU	NU	ICNU	IDNU	CCE	20-21	2021-22
Expenses towards Tuition Fee for the Employees' Dependent Children	22.12	5.92	2.90	0.81	1.72	1.12	1.18	0.60	0.21	0.12	35.44	36.70
Expenses towards Hospitalization	17.86	12.99	1.27	0.00	7.95	0.33	2.98	0.00	0.00	0.00	17.99	43.38
Expenses towards Purchase of Books/ Magazine/ Subscription of Journals / Membership etc.	7.90	2.38	1.44	0.28	0.72	0.93	0.00	0.31	0.26	0.00	18.05	14.22
Expenses towards LTC/HTC	21.55	6.01	2.70	0.87	2.25	1.65	1.62	0.64	0.54	0.05	0	37.88
Expenses towards Recreation Activities	1.57	0.44	0.27	0.09	0.34	0.14	0.42	0.08	0.08	0.00	0.54	3.43
Expenses towards Medical Allowances	10.63	3.35	1.38	0.52	1.60	0.92	0.61	0.37	0.34	0.04	20.02	19.76
Total	81.63	31.09	9.96	2.57	14.58	5.09	6.81	2.00	1.43	0.21	92.06	155.37

Libraries

Nirma University has eight Institutes and each Institute has its own Library. The details of books journals etc. in the libraries during the year 2020-21 & 2021-22 are given below:

Books

Details of books added during the year 2021-22 and total as on 31.03.2022 in Technical and Science, Humanities subject:

Table No. 24

Name of the Institute	Number of Books for Technical subjects during the year 2021-22				Number of Books for Science & Humanities during the year 2021-22			
	Number of Titles & Volumes added during the year		Cumulative Total No. of Titles & Volumes as on 31.3.2022		Number of Titles & Volumes added during the year		Cumulative Total No. of Titles & Volumes as on 31.3.2022	
	Title	Volumes	Title	Volumes	Title	Volumes	Title	Volumes
IT-NU	122	201	30553	49114	68	91	10733	12482
IM-NU	133	133	22858	24622	50	50	17149	18612
IP-NU	99	141	3565	5757	9	10	2506	3867
IS-NU	22	25	1216	1361	7	22	1043	1244
IL-NU	472	496	8746	10840	130	138	2513	2939
IAP-NU	113	118	3029	3542	28	30	292	305
IC-NU	18	18	439	439	0	0	0	0
ID-NU	78	78	1078	1102	10	10	207	209
Total	1057	1210	71484	96777	302	351	34443	39658

Table No. 25

Institutes	Total (Taken all types of Books)							
	Total Titles & Volumes added during the year				Cumulative Total No. of Titles & Volumes as on			
	Titles		Volumes		Titles		Volumes	
	2020-21	2021-22	2020-21	2021-22	31.03.21	31.03.22	31.03.21	31.03.22
IT-NU	898	190	928	292	41096	41286	61304	61596
IM-NU	5622	183	6622	183	39824	40007	43051	43234
IP-NU	76	108	150	151	5963	6071	9473	9624
IS-NU	7	29	7	47	2230	2259	2558	2605
IL-NU	182	602	196	634	10657	11259	13145	13779
IAP-NU	29	141	32	148	3180	3321	3699	3847
IC-NU	3	18	3	18	421	439	421	439
ID-NU	21	88	21	88	1197	1285	1223	1311
Grand Total	6838	1359	7959	1561	104568	105927	134874	136435

Journals

Table No. 26

Institutes	Number of Periodicals / Journals during the year 2021-22		Material which includes CD's / Cassettes other Audio-visual Materials	
	Added during the year 2021-22	Cumulative total as on 31.3.22	Added during the year 2021-22	Cumulative total as on 31.3.22
IT-NU	15 Printed + 43 Online	97 Printed + 760 Online	-	601
IM-NU	-	149 Printed + 9920 online	-	1206
IP-NU	-	27 Printed + 211 online	-	47
IS-NU	116 online	4 Printed + 124 online	-	01
IL-NU	-	40 Printed + 3625 Online	03	579
IAP-NU	43 Online	6 Printed + 413 Online	-	79
IC-NU	-	9 Printed	02	16
ID-NU	-	-	-	8
Total	15 Printed + 202 online	332 Printed + 15032 online	05	2573

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

Programmes organised by DRI/CQAAD

- Ms. Gopi Trivedi, Patent Attorney of Nirma University briefed about the ‘Aspects of Design Registration in India’ on October 16, 2021 for the faculty members of Nirma University
- Organised an awareness session (webinar) on ‘SERB Funding Schemes Available for Women Researchers’ on November 20, 2021 (Saturday), of Nirma University. Dr. Shilpi Paul, Scientist-F, SERB briefed about the various funding schemes available for Women Researchers at SERB’.
- Organised a Webinar on IPR on 30th November 2021. Faculty members from Institute of Law delivered lectures on ‘Overview of Patents/Industrial Designs’
- Mrs Deepmala Mahapati from National Intellectual Property Awareness Mission (NIPAM) by Govt. of India delivered a Webinar on ‘IPRs, Patent Office Procedure, and Life of an IPR’ on March 5, 2022

Details of Patent

Table No. 26

Name of the Teacher	Patent Number	Title of the patent	Status
Dr. Tejal Mehta Prof. Mohit Shah	1900/MUM/2012	Pharmaceutical Composition for Transdermal Delivery	Granted on 30.07.2021
Dr. Milind Joshipura	2893/MUM/2014	An Improved Process for the Preparation of Biodiesel from Jatropha Oil	Granted on 02.11.2021
Dr. Bhagwati Saxena	2021103739	A Herbal Mosquito Repellent Diffusing Composition	Granted on 30.03.2022
Dr. Amita Chaudhary	1829/DEL/2014	Aliphatic ionic liquid compound To capture carbon dioxide gas and method of preparation thereof	Granted on 28.03.2022
Dr. Absar Lakdawala Prof. Hiren Prajapati	202221016599	A Machine for Re-dispersibility Of Magnetorheological Fluids"	Filed on 24.03.2022
Dr. Jigar N. Shah	202121040642	Pulsatile Drug Delivery System of Antiarthritic Drugs for the Chronotherapy of Arthritis'	Filed on 07.09.2021
Dr. Mayur Patel Dr. Bhoomika M. Patel	202221014323	An Anticancer-Drug Delivery Formulation	Filed on 16.03.2022
Dr. Reena Trivedi	202121060194	A Brick Manufacturing Machine	Filed on 23.12.2021

Members of Trust (Nirma Education and Research Foundation)

Sr. No.	Name	Sr. No.	Name
1.	Dr Karsanbhai K Patel Chairman, Nirma Education and Research Foundation Chairman, Nirma Ltd President, Nirma University	2.	Shri K K Patel Managing Trustee, Nirma Education & Research Foundation Vice President, Nirma University
3.	Shri Rakeshbhai K Patel Vice Chairman, Nirma Ltd Nirma House, 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. No.	Name	Sr. No.	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.(a)	Shri J. P. Joshipara 240, Manek Baug Society S M Road, Nirma Circle Ahmedabad (up to 26.04.2021)
6.(b)	Prof. D. P. Agrawal Former Chairman, UPSC New Delhi (from 08.03.2022)	7.(a)	Ms. Anju Sharma (IAS) Principal Secretary Dept. of Higher and Technical Education, Block No. 5, 8th Floor Sachivalaya, Gandhinagar (up to 22.06.2021)

- | | | | |
|--------|---|--------|--|
| 7.(b) | Shri S.J. Haider (IAS)
Principal Secretary
Dept. of Higher and Technical
Education, Block No. 5, 8th Floor
Sachivalaya, Gandhinagar
<i>(from 23.06.2021)</i> | 8. | Dr. Pankajbhai Patel
Chairman & Managing Director
Zydus Cadila Healthcare Ltd.
Satellite, Ahmedabad. |
| 9. | Shri Kamalbhai Trivedi
Advocate General, Gujarat High Court
The Chamber, Opp. Gurudwara, Theltej
Cross Road, Ahmedabad. | 10. | Dr. P. N. Bhagwati
Chairman, Bhagwati Sphero Cast
Ltd. 1, Krishna Society, Near Law
Garden Ellisbridge, Ahmedabad |
| 11. | Shri Vipinbhai Parikh, Advocate
3, Khadayata Colony, b/h Pantaloon
Show Room, Nr. Law Garden
Ellisbridge, Ahmedabad | 12. | Shri R. D. Shah
Chartered Accountant
Nirma House, Ashram Road
Ahmedabad |
| 13.(a) | Prof. Purvi Pokharial
Dean, Faculty of Law
Nirma University, Ahmedabad.
<i>(up to 07.07.2021)</i> | 13.(b) | Prof. Sangita Shroff
Dean, Faculty of Design
Nirma University, Ahmedabad
<i>(from 01.09.2021)</i> |
| 14.(a) | Prof. Manjunath Ghate
Dean, Faculty of Pharmacy
Nirma University, Ahmedabad.
<i>(up to 31.08.2021)</i> | 14.(b) | Prof. Sarat Dalai
Dean, Faculty of Science
Nirma University, Ahmedabad
<i>(from 01.09.2021)</i> |
| --- | Shri G. Ramachandran Nair - Secretary
Executive Registrar
Nirma University, Ahmedabad | | |

Members of Academic Council

Sr. No.	Name	Sr. No.	Name
1.	Dr. Anup K Singh - Chairman Director General Nirma University, Ahmedabad	2.	Dr. K.C. Vora Prof Emeritus Pune
3.(a)	Shri K. Thyagrajan Iyer Ahmedabad <i>(up to 20.08.2021)</i>	3.(b)	Dr. Kannan Srinivasan Director, Council of Scientific and Industrial Research Central Salt & Marine Chemicals Research Institute, Bhavnagar <i>(from 21.08.2021)</i>
4.(a)	Prof. Rochish Thaokar Dept. of Chemical Engineering I.I.T. Bombay, Mumbai <i>(up to 20.08.2021)</i>	4.(b)	Dr. C. P. Gupta Professor, Department of Financial Studies University of Delhi, New Delhi. <i>(from 21.08.2021)</i>

- | | | | |
|--------|--|--------|---|
| 5.(a) | Prof. Anamik Shah
Vice Chancellor, Gujarat
Vidyapith
Ahmedabad
(up to 20.08.2021) | 5.(b) | Shri Nilesh M. Desai
Director
Space Application Center (SAC/ISRO)
Jodhpur Tekra, Ambawadi, Ahmedabad
(From 21.08.2021) |
| 6.(a) | Prof. Hrudanand Misra
Dean, Faculty of Management
Nirma University, Ahmedabad
(wef 09.02.2021 to 31.05.2021) | 6.(b) | Dr. Subir Verma
Dean, Faculty of Management
Nirma University, Ahmedabad
(wef 01.06.2021) |
| 7. | Prof. Utpal Sharma
Dean, Faculty of Architecture &
Planning, Nirma University,
Ahmedabad | 8. | Prof. Manjunath Ghate
Dean, Faculty of Pharmacy
Nirma University, Ahmedabad |
| 9. | Prof. Sarat Dalai
Dean, Faculty of Science
Nirma University, Ahmedabad | 10. | Prof. Udai Paliwal
Dean, Faculty of Commerce
Nirma University, Ahmedabad |
| 11. | Prof. Sangita Shroff
Dean, Faculty of Design
Nirma University, Ahmedabad | 12. | Prof. P. N. Tekwani
Dean, Faculty of Doctoral Studies &
Research, Nirma University, Ahmedabad |
| 13. | Prof. Rajesh Patel
Dean (i/c), Faculty of Technology
& Engineering, Nirma University,
Ahmedabad | 14.(a) | Prof. Purvi Pokhariyal
Dean, Faculty of Law
Nirma University, Ahmedabad.
(up to 07.07.2021) |
| 14.(b) | Dr. Madhuri Parikh
Dean (i/c), Faculty of Law
Nirma University, Ahmedabad.
(from 08.07.2021) | 15.(a) | Prof. Milind Joshipura
Dept. of Chemical Engineering
Institute of Technology
Nirma University, Ahmedabad
(up to 20.08.2021) |
| 15.(b) | Prof. Sanjay Patel
Dept. of Chemical Engineering
Institute of Technology
Nirma University, Ahmedabad
(from 21.08.2021) | 16.(a) | Prof. Kaushik Patel
Dept. of Mechanical Engineering
Institute of Technology
Nirma University, Ahmedabad
(up to 20.08.2021) |
| 16.(b) | Prof. Bharat Modi
Dept. of Mechanical Engineering
Institute of Technology
Nirma University, Ahmedabad
(up to 20.08.2021) | 17.(a) | Prof. Parul Patel
Dept. of Civil Engineering
Institute of Technology
Nirma University, Ahmedabad
(up to 20.08.2021) |
| 17.(b) | Prof. Sharad Purohit
Dept. of Civil Engineering
Institute of Technology
Nirma University, Ahmedabad
(from 21.08.2021) | 18.(a) | Prof. Usha Mehta
Dept. of Electronics & Communication
Engineering, Institute of Technology
Nirma University, Ahmedabad
(up to 20.08.2021) |

- 18.(b) Prof. Nagendra Gajjar
Dept. of Electronics & Communication Engineering,
Institute of Technology
Nirma University, Ahmedabad
(from 21.08.2021)
19. Prof. Santosh Vora
Dept. of Electrical Engineering
Institute of Technology
Nirma University, Ahmedabad
20. Prof. Dipak Adhyaru
Dept. of Electronics & Instrumentation Engineering
Institute of Technology
Nirma University, Ahmedabad
21. Prof. Madhuri Bhavsar
Dept. of Computer Science and Engineering
Institute of Technology
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. Prof. Jigna Shah
Pharmacology area
Institute of Pharmacy
Nirma University, Ahmedabad
25. Dr. Hardik Bhatt
Associate Professor
Pharmaceutical Chemistry area
Institute of Pharmacy
Nirma University, Ahmedabad
- 26.(a) Prof. M. Mallikarjun
Economics and Finance area
Institute of Management
Nirma University, Ahmedabad
(up to 20.08.2021)
- 26.(b) Prof. Hrudanand Misra
Institute of Management
Nirma University, Ahmedabad
(from 21.08.2021)
27. Dr. Samik Shome
Institute of Management
Nirma University, Ahmedabad
(from 21.08.2021)
- 28.(a) Prof. Nityesh Bhatt
Information Management area
Institute of Management
Nirma University, Ahmedabad
(up to 20.08.2021)
- 28.(b) Prof. Ashwini Awasthi
Marketing area
Institute of Management
Nirma University, Ahmedabad
(up to 20.08.2021)
29. Ms. Vibha Gajjar
Associate Professor
Institute of Architecture & Planning
Nirma University, Ahmedabad
30. Dr. Madhuri Parikh
Associate Professor
Institute of Law
Nirma University, Ahmedabad
31. Shri G. Ramachandran Nair - Secretary
Executive Registrar
Nirma University, Ahmedabad

Members of Finance Committee

Sr. No.	Name	Sr. No.	Name
1.	Dr Anup K Singh - Chairman Director General Nirma University Ahmedabad	2.	Shri Hirenghai 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 (a)	Prof Sarat Dalai Dean, Faculty of Science Nirma University, Ahmedabad (up to 25.11.2021)
4(b)	Prof. Manjunath Ghate Dean, Faculty of Pharmacy Nirma University, Ahmedabad (from 26.11.2021)	5.	Shri G Ramachandran Nair - Secretary Executive Registrar Nirma University, Ahmedabad

Officers of the University

Sr. No.	Name	Designation
1.	Shri K. K. Patel	Vice President
2.	Dr. Anup K. Singh	Director General
3.	Shri G. Ramachandran Nair	Executive Registrar
4.	Shri. Ashish Desai	Honorary Head, Student welfare Activities
5.	Prof. Manjunath Ghate	Dean, Faculty of Pharmacy
6.	Dr. Subir Verma	Dean, Faculty of Management
7.	Prof. Sarat Dalai	Dean, Faculty of Science
8.	Prof. Utpal Sharma	Dean, Faculty of Architecture & Planning
9.	Prof. Udai Paliwal	Dean, Faculty of Commerce
10.	Prof. Sangita Shroff	Dean, Faculty of Design
11.	Prof. P. N. Tekwani	Dean, Faculty of Doctoral Studies & Research
12.	Prof. R.N. Patel	Dean (i/c), Faculty of Technology & Engineering
13	Dr. Madhuri Parikh	Dean (i/c), Faculty of Law

Details of Meetings of the authorities of the University

Sr. No.	Authorities of the University	Dates of Meeting
1.	Board of Governors	04.12.2021
2.	Academic Council	30.06.2021, 30.11.2021
3.	Finance Committee	25.11.2021, 22.03.2022
4.	Faculty of Technology & Engineering	02.04.2021, 26.10.2021
5.	Faculty of Management	01.04.2021, 16.11.2021
6.	Faculty of Pharmacy	25.10.2021
7.	Faculty of Science	18.10.2021
8.	Faculty of Law	20.04.2021, 30.10.2021
9.	Faculty of Architecture & Planning	09.04.2021, 27.10.2021
10.	Faculty of Commerce	18.10.2021
11.	Faculty of Design	18.11.2021
12.	Faculty of Doctoral Studies & Research	20.04.2021, 16.11.2021
13.	Boards of Studies under Faculty of Technology & Engineering	05.10.2021-06.10.2021
14.	Joint Board of Studies in Humanities & Social Science under Faculty of Technology & Engineering and Faculty of Pharmacy	06.10.2021
15.	Joint Board of Studies in Science under Faculty of Technology & Engineering and Faculty of Pharmacy	06.10.2021
16.	Boards of Studies under Faculty of Management	16.10.2021
17.	Boards of Studies under Faculty of Pharmacy	04.10.2021
18.	Joint Board of Studies under Faculty of Science	29.09.2021
19.	Boards of Studies under Faculty of Law	08.10.2021
20.	Board of Studies under Faculty of Architecture & Planning	08.10.2021
21.	Ad hoc Joint Board of Studies under Faculty of Architecture & Planning	08.10.2021
22.	Ad hoc Board of Studies under Faculty of Commerce	29.09.2021
23.	Ad hoc Board of Studies under Faculty of Design	07.10.2021, 30.10.2021
25.	Library Council	18.02.2022
26.	Student Welfare Board	19.07.2021

Details of Recognition given as PhD Guides during the Year 2021-22

From Institutes of the University

Sr. No.	Name	Discipline
1	Dr. Smita S. Agrawal	Computer Science & Engineering
2	Dr. Vijay Ukani	Computer Science & Engineering
3	Dr. Jigna Ashish Patel	Computer Science & Engineering
4	Dr. Mankad Sapan Hareishbhai	Computer Science & Engineering
5	Dr. Tarjni Vyas	Computer Science & Engineering
6	Dr. Vivek Kumar Prasad	Computer Science & Engineering
7	Dr. Pooja Shah	Computer Science & Engineering
8	Dr. Swati Jain	Computer Science & Engineering
9	Dr. Chokshi Nikita P.	Chemical Engineering
10	Dr. Tejas Joshi	Civil Engineering
11	Dr. Bijal Maheshbhai Yeolekar	Mathematics
12	Dr. Amita Chaudhary	Chemistry
13	Dr. Ravi Kant	Biochemistry
14	Dr. Aarthi Sundararajan	Biochemistry
15	Dr. Chhaniwal Poonam Vinit	Human Resouece Management
16	Dr. Sunita Guru	Operation Management & Quantative Techniques
17	Dr. Ritesh Jayantibhai Patel	Economics & Finance
18	Dr. Vellala Paramasivan Sivasooriyan	Economics
19	Dr. Richa Mishra	English
20	Dr. Patel Nrupesh Ramanbhai	Pharmaceutical Analysis
21	Dr. Nagja V. Tripathi	Pharmacognosy
22	Dr. Bhagwati Saxena	Pharmacology
23	Dr. Arun B. Prasad	Law
24	Dr. Vikash Kumar Upadhyay	Law

From Institutes of Recognised Research Centre

Space Application Centre (ISRO)

Sr. No.	Name	Discipline
1	Dr. Deepak Mishra	Electronics & Communication Engineering

Candidates Awarded Degree of Doctorate (PhD) during the year 2021-22

Sr. No.	Student Name	Faculty	Topic
1	Adesara Ankit Mukeshbhai	Technology & Engineering	Design and Implementation of a Low-noise Low Power Biopotential Amplifier for Biomedical Applications
2	Aparna Kumari	Technology & Engineering	Secure Demand Response Management in Smart Grid System
3	Chokshi Nikita P.	Technology & Engineering	Studies on Development of Composite Metal Oxide Catalysts for Degradation of Reactive Black 5 Dye Using Catalytic Ozonation Process
4	Gopi Tushar Bhatt	Technology & Engineering	Performance Centric Architecture & Prototype of Portable File System for Virtual Environment
5	Madhushree B.	Technology & Engineering	Video Summarization: A Comprehensive Study of Unsupervised Techniques And Applications
6	Mankad Sapan Hareshbhai	Technology & Engineering	Enhancing Voice Liveness Detection in Speaker Verification Systems using Machine Learning Approach
7	Mehta Chintan Rajeshkumar	Technology & Engineering	Investigations for Transient Stability Enhancement of Multi-machine Power System Integrated with Large Scale Renewable Energy Sources Using Modified Series Resonance Type Fault Current Limiter
8	Mehta Sandip Anilbhai	Technology & Engineering	Some Investigations on the Design and Implementation of Fractional Order Control System
9	Patel Ronakkumar Rameshchandra	Technology & Engineering	Studies on Hydrogen Production via Bio-butanol Reforming for SOFC and PEMFC Applications
10	Popat Jayesh Bharatkumar	Technology & Engineering	Countermeasures Against Test Infrastructure Based Attacks on AES Circuits and Trojans
11	Shah Pooja Prakashbhai	Technology & Engineering	Oil Spill Detection Using SAR data: Feature Based to Deep Learning Approaches
12	Trivedi Pratik Pravinkumar	Technology & Engineering	Multiplier less Tunable Architecture for Signal Processing Transforms
13	Vivek Kumar Prasad	Technology & Engineering	SLAMMP Framework for Efficient Resource Monitoring and Prediction at an IaaS Cloud
14	Dhyani Jwalant Mehta	Management	Deficit Financing and Ricardian Equivalence: Investigating Some Aspects of Indian Economy.
15	Mohan P.	Management	A Study of Talent Acquisition Practices at University Affiliated Private Engineering Colleges in Tamilnadu
16	Nair Vinod Vijayamadhavan	Management	Effect of User Control on Customer Emotional Valur in M-Marketing and M-Commerce
17	Punita Dhansingh Rajpurohit	Management	An assessment of quality of financial reporting in India.

18	Samrat Abhimanyu Gautambhai	Management	A Study of Quality Management System Implementation Contexts with Reference to ISO 9001 Standard
19	Seema Bihari	Management	Factors that Influence Customers' Participation, Willingness to Pay and Payments in Pay What You Want Pricing.
20	Agrawal Milan Bharatbhai	Pharmacy	Formulation, Characterization and Optimization of Transdermal Drug Delivery Systems for the Treatment of Schizophrenia
21	Chavda Vishal Kishanbhai	Pharmacy	Investigation of Anti-Diabetic Agents in Hyperglycemic Brain Insult and Associated Cognitive Decline
22	Chetan Dhal	Pharmacy	Novel Formulation Strategies for the Treatment of Surgical Site Infections
23	Chintan Pansara	Pharmacy	Design and Development of Wound Healing Dosage Forms
24	Chivate Amit Ashok Vrushali	Pharmacy	Design and Study of Drug Delivery of Poorly Water-Soluble Drugs with Improved Pharmacokinetics
25	Desai Priteshkumar Rashmikant	Pharmacy	Impurity Profiling and Degradation Behaviour of Drugs Active Against Cardiovascular Disorders
26	Dhas Namdev Laxmanrao	Pharmacy	Development and Characterization of Core Shell Nanoparticles for the Treatment of Alzheimer's Disease Using Non-invasive Approach.
27	Gediya Piyushbhai Arvindbhai	Pharmacy	Design, Synthesis and Biological Evaluation of Small Molecules Targeting Histone Deacetylase (HDAC) as Anti-Cancer Agents
28	Parekh Khushali Sudhirbhai	Pharmacy	Development of Topical Nano Formulations for the Treatment of Atopic Dermatitis
29	Parikh Palakben Kirtikumar	Pharmacy	Design, Synthesis and Biological Evaluation of Heterocyclic Compounds As Anticancer Agents
30	Parmar Mrugank Bhaskarkumar	Pharmacy	Repositioning Opportunities For Antidiabetic And Cardiovascular Drugs With Reference To Pharmacovigilance
31	Patel Mansi Jitesh	Pharmacy	Evaluation of Radioprotective Potential of Selected Indian Bamboo Leaves
32	Patel Pareshkumar Kanubhai	Pharmacy	Design, Synthesis and Biological Evaluation of Triazine Derivatives as Anti-HIV Agents
33	Prajapati Pintu Babubhai	Pharmacy	Development of Stability Indicating Assay Method and Degradation Studies of Selected Drugs Targeting Cardiovascular and Kidney Disorders
34	Prashik Bhimrao Dudhe	Pharmacy	Design, Synthesis And Biological Evaluation Of Novel Antitubercular Agents
35	Rawal Shruti Udaykumar	Pharmacy	Design, Development and Characterization of Nanoparticulate Drug Delivery Systems for Targeted Delivery of Anticancer Agents
36	Shah Parth Dilipkumar	Pharmacy	Design, Development & Optimization of Novel Anti-acne Formulations of Dapsone

37	Sitwala Nikum Drigeshbhai	Pharmacy	Liquid Phase Combinatorial Synthesis of Novel Benzimidazole Derivatives as Antitubercular Agents
38	Vaibhavkumar Baldevbhai Patel	Pharmacy	Phortopharmacological Evaluation of Antiuro lithiatic Activity of Grewia Flavescens and Macrotyloma Uniflorum
39	Bharwad Krishna Lakhdhir	Science	Role of Crc in Regulation of PQQ GDH Dependent Mineral Phosphate Solubilization Phenotype and its Repression in Acinetobacter Species
40	Ektaben Vishnukumar Joshi	Science	Arabinose And Glucose Dependent Mineral Phosphate Solubilization Phenotype And Its Catabolite Repression In Rhizobial Isolates
41	Koyel Sur	Science	Understanding Changes in Desertification Status of Jaisalmer District, Rajasthan – An Investigation Based on Multi Sensor Satellite Data and GIS Techniques
42	Mandaliya Dipeeka Krushnakant	Science	Elucidating the Effect of Short Chain Fatty Acids (SCFAs) on Metaflammation and Gut Microbiota Alteration in Diet Induced Type 2 Diabetes (T2D)
43	Neetu	Science	Understanding the issues involved in Crop Classification using Microwave and Optical Remote Sensing Data
44	Pasupureddy Rahul	Science	Characterizing Protein-Protein Interactions in Malarial Proteases
45	Rathod Visha Mansukhbhai	Science	Transcriptional dynamics study of resistant host Peanut plant against foliar disease to reveal molecular insights involved in resistance
46	Ruma Baksi	Science	Role of Plant-derived Epigenetic Inhibitor and its Nanoparticle Formulation in cancer Therapy: An Involvement of Apoptotic Signaling Pathway Modulation
47	Ware Digambar Nagnath	Science	Synthesis and Biological Evaluation of Nitrogen and Sulphur Containing Heterocyclic Compounds
48	Joshi Shivani Bharatbhai	Law	Data Protection in India - A Comparative Study

Convocation

Nirma University held its 30th Convocation Ceremony on December 17, 2021 in hybrid mode where 2,383 students from various institutes of the University received their degrees. The Chief Guest for the occasion was Mr Shrikant Madhav Vaidya, Chairman, Indian Oil Corporation Limited. Dr Karsanbhai K Patel, President, Nirma University, presided over the event.

The details of awardees are as under:

Faculty	Number of Degrees Awarded
Faculty of Technology and Engineering	
PhD	13
M. Tech	161
M. Tech (by Research)	1
MCA	68
B. Tech	1005
Faculty of Management	
PhD in Management	6
MBA (Full Time)	248
MBA (Family Business and Entrepreneurship)	51
Integrated BBA-MBA	72
BBA	58
Faculty of Pharmacy	
PhD	19
M. Pharm	57
B. Pharm	107
Faculty of Science	
PhD	9
MSc	79
Faculty of Law	
PhD	1
Master of Laws (LLM)	21
BA. LLB (Hons) Five Year Integrated Programme	111
BCom. LLB (Hons) Five Year Integrated Programme	54
Master of Laws	
Faculty of Architecture & Planning	
B. Arch	78
B. Plan	43
Faculty of Commerce	
B. Com (Hons)	61
Faculty of Design	
B. Design	60
Total	2383

Institute of Technology

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Outstanding Achievements and important activities

NBA Accreditation: All the programmes under the Institute of Technology are accredited by NBA and are accepted in the countries bound by the Washington Accord. The second phase accreditation process is going on and the NBA Team is expected to be visited the campus in June 2022 for the programmes under Computer Science & Engineering, Electronics & Communication Engineering, Mechanical Engineering and Chemical Engineering. The validity of NBA accreditation for the programmes under Civil Engineering, Electrical Engineering, and Instrumentation and Control Engineering is up to June 2023.

FTNCT 2021: The Computer Science & Engineering Department hosted Scopus Indexed 4th International Conference on Futuristic Trends in Networks and Communication technologies (FTNCT) on December 10-11, 2021. Shri Nilesh M Desai, Director, Space Applications Center, ISRO was the Chief Guest and Dr. Rajeev Sharma, Scientist-F, Frontier and Futuristic Technologies (FFT) Division, Department of Science & Technology (DST), Government of India was the Guest of honour for the inauguration on 10th December 2021. The goal of the conference was to explore the challenges, issues, and opportunities both for academic researchers and industrial innovators. The technical areas in the conference include networking, computing, machine learning, data mining, wireless communications, big data, cloud computing, augmented reality, image processing, mobile and optical communications, cyber security. The FTNCT-2021 received participation from 16 countries.

RAMAN 2022: The International Conference on “Recent Advancements in Materials Science And Nanotechnology (RAMAN)- 2022” was organised by the Department of Electronics and Communication Engineering during February 04 – 05, 2022 funded by GUJCOST. Dr. Tanusri Saha Dasgupta (Director, S N Bose National Centre for Basic Sciences) was the Chief Guest at the inaugural function. Around 100 research abstracts were received out of which 77 abstracts were selected for presentation.

Placements: Amidst the Covid Scenario, an undergraduate student of Computer Science and Engineering, Institute of Technology bagged the package of Rs. 88.21 lakh by Bloomberg UK Company. The salary is 90% higher than the highest package of last year.

Rankings

- › The Institute of Technology ranked 153 by National Institutional Ranking Framework (NIRF) by the Ministry of HRD, Government of India.
- › Ranked 4th among the Top Leading Engineering Colleges of Super Excellence in India and placed at first position among the Top Engineering Colleges ranked by the Gujarat State as per the Competition Success Review.
- › Ranked 15th among the best Colleges of India Engineering College in Private category by The India Today Special issue 25th Annual Survey.
- › Ranked 4th under Top 125 Private Engineering Institute Rankings 2021, 2nd in West Zone, 11th in Overall Ranking under the category Top 175 Engineering Institute Rankings 2021 by Times of India Ranking 2021.
- › According to CSR - GHRDC Engineering Colleges Survey 2021, Institute of Technology Ranked:
- › 4th Top Leading Engineering Colleges of Super Excellence,
- › 5th among Top 125 Engineering Colleges Ranked under Faculty, Research, Consultancy, EDP & other programmes
- › 4th among Top 125 Engineering Colleges Ranked under Placements, USP, Social Responsibility, Networking & Industry Interface

Major Events Organised

- › The Department of Computer Science and Engineering, Institute of Technology, organised a GUJCOST-sponsored one-week International Short Term Training Programme (STTP) in online mode on “Blockchain Technology, Research Avenues, and its applications” from July 12-17, 2021, which was attended by a total of 543 participants from 17 countries, 515 participants from India (covering 23 states) and 28 participants from outside India.
- › Centre of Excellence in Data Science, CSE Department organised a national level online Hackathon (MINEd) during March 3-5, 2022 in collaboration with SUNY Binghamton University, USA. Four industries sponsored the track prizes in various domains of AI and Data Science, and grand prize was sponsored by SUNY Binghamton University.
- › An expert lecture series for M.Tech. Semester II and interested students of B.Tech. CSE and MCA was organised on January 11, 2022. Dr. Madhushree Basavarajaiah, Mr. Shubham Patel and Mr. Sahil shah conducted the expert talks on “Artificial Intelligence with NVIDIA JETSON”, “Preparing for interview” and “Progressing steadily in the era of Study from home/Work from home” respectively.
- › The Department of Electronics and Communication Engineering organised a Two-Day National Webinar on “Etiquettes of Placement, Higher Studies & Research (EoPHR)” during April 16-17, 2021. This webinar was partially funded by the Gujarat Council on Science and Technology (GUJCOST). More than 104 participants from different regions and branches of engineering participated.
- › The Department of Electronics and Communication Engineering organised a Two-Day National Webinar on “Optical Wireless Communication: Challenges and Opportunities” during August 06-07, 2021. This webinar was partially funded by the Gujarat Council on Science and Technology (GUJCOST).
- › The Department of Electronics and Communication Engineering organised a one-week online Faculty Development Programme on “Internet of Things for Agriculture” during July 19-23, 2021. This FDP was fully funded by the AICTE-ATAL Academy. More than 200 participants from different states of the country participated.
- › The Department of Electronics and Communication Engineering organised a Two Days International Webinar on “Testing and Verification of VLSI Design” during September 3-4, 2021. More than 550 participants, including 94 participants from 57 MNCs, 63 faculty participants from 40 Institutes, and more than 400 students from 162 Institutes registered for this webinar. Also, a few international participants from Arizona State University and the National University of Singapore registered.
- › The Department of Electronics and Communication Engineering organised a five-day National Webinar on “Rietveld Refinement of XRD Data” during September 13-17, 2021.
- › A three-day training programme for Lab Assistants was organised by the Department of Electronics and Communication Engineering during January 3-5, 2022. The aim of the training was to demonstrate the current online tools and technology which help them in their day-to-day work. This training programme covered the handling of Google workspace (Google forms, spreadsheet, docs) and designing of E-content through (Brochure design, Poster design, and Google Website design). Hands-on basic computer networking (LAN, WAN, and Switch Configuration) and creating a network between a few PCs have been carried out as a part of this training. The basics of MATLAB software have also been demonstrated to the participants.
- › The Civil Engineering Department organised a Professional Development Course on Building Engineering – Construction, Waterproofing, Maintenance and Repairs for managers of Pidilite Industries Ltd, Mumbai. This training programme is divided into two modules. Module 1 consists of Construction and Waterproofing for new buildings and Module 2 consists of Maintenance, Remedial Waterproofing and Repair of old Structures. The second batch of the training programme for Pidilite Managers commenced from June 02, 2021 and ended on August 14, 2021. The Module 2 of the training programme commenced from September 22, 2021.

Academic Activities

- › The Department of Electronics and Communication Engineering organised collaborative teaching in the course of 2EC601 – Computer Architecture on “Single and Multi-Cycle Datapath” for the students of the Semester-VI. Total of nine sessions were conducted by the foreign expert Prof. Arun Somani, Associate Dean for Research, College of Engineering, Iowa State University, USA in the month of March-April, 2021 via the online platform.
- › The Department of Electronics and Communication Engineering organised an Expert Lecture on “A New Frontier for Telecommunications: Intra-Body Network”, by Dr. Anna Vizziello, Senior Research Fellow at the University of Pavia, Lombardy, Italy. The session was held on April 17, 2021 online for the students of BTech EC, Semester-VI, and VIII.
- › The Department of Electronics and Communication Engineering organised Collaborative Teaching sessions for the students of MTech, Semester-I. A module on “Programming Languages for Embedded Systems” was delivered by Mr. Nirav Shah, Research Scientist, Intel Labs, Bangalore. A total of six sessions were delivered by the expert from September 09 – October 16, 2021.
- › The Department of Electronics and Communication Engineering organised a Lecture Series in the course of Microwave and Antenna Engineering, for the students of Semester-VII, on the topic “Aperture and Reflector Antennas” during September 27 – October 06, 2021. The lectures were conducted by Dr. Jorge Teniente Vallinas, Associate Professor, Department of Electric, Electronics and Communication Engineering, Public University of Navarra (UPNA), Spain. The lecture series had six lectures, which covered detailed explanations about Aperture and Reflector Antennas and some MATLAB exercises for practical understanding.
- › Collaborative teaching sessions were held at the Department of EC Engineering for the students of B.Tech. EC, Semester VII and M.Tech. EC (Embedded Systems) Semester-I. It was held online from November 15-19, 2021. There were a total of 10 hours of sessions and one special session. The experts were Dr. Arghya Kusum Das, Assistant Professor, University of Wisconsin, Platteville, USA, and Dr. Gokarna Sharma, Associate Professor, Kent State University, OH, USA. A special session was conducted by Dr. Peter Hofstee, Professor TU, Delft, Netherland, and Veteran IBM Fellow Austin Texas. Shri Ganesman Narayansamy, IBM Leader in Education, Bangalore played a key role in networking.
- › The Department of Electronics and Communication Engineering organised collaborative teaching in the course of 2EC602 – Machine Learning on “Classification Techniques” for all the students of the Semester-VI EC. Students of Semester-II MTech (ES) having Machine Learning for Embedded System course as an elective also attended the sessions. Four sessions each of 1.5 hours were conducted by the foreign expert Dr. Shishir Shah, Professor and Department Chair, University of Houston, Texas, USA in the month of February-March, 2022 via the online platform.
- › Department of Civil Engineering organised a national webinar on “Transportation Geotechnics” during December 20 - 24, 2021. The webinar is supported by GUJCOST, Government of Gujarat. The webinar focused on properties of geomaterials for rational and sustainable design and construction of transportation infrastructures.
- › Department of Civil Engineering organised a workshop on "Building Information Modelling (BIM) using Revit" under the banner of Centre for Continuing Education during January 4-5, 2022.

Research, Publications, MoUs and Development Activities

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

- › MoU signed with Milacron India Pvt Ltd, Ahmedabad on March 17, 2022
- › MoU signed with V360 Technology Inc, New York, USA on March 10, 2022
- › MoU signed with B&R Industries Automation Pvt. Ltd. Pune on December 01, 2021
- › MoU signed with Finecure Pharmaceuticals Ltd., Ahmedabad on November 23, 2021
- › MoU signed with Larsen & Toubro Limited, Mumbai on October 26, 2021
- › MoU signed with Azure Knowledge Corporation Pvt. Ltd. Ahmedabad on September 06, 2021

- › MoU signed with Secure Meters Ltd., Udaipur on July 08, 2021
- › MoU signed with NVIDIA Corporation, USA (non-binding MoU) on July 02, 2021

Awards and Honours

A number of faculty members and students were recognised for their outstanding achievements.

Faculty Awards

- › Dr. Santosh Vora has been awarded Best Engineering College Teacher in Gujarat 2020 at ISTE Convention. The award ceremony was held on October 05, 2021 at Y. B. Chavan Center, Mumbai.
- › Prof. A.S. Patel participated in “Lean Six Sigma Green Belt Training & Certification” programme organised by Training and Capacity Building (TCB) Cell, Quality Council of India (QCI), New Delhi from February 10-12, 2022 and successfully completed all the requirements and criteria set for Lean Six Sigma Green Belt Training & Certification and passed the examination. Based on this, he has been granted the Lean Six Sigma Green Belt Certificate (Certificate No.: TCB/QCI/120222/07-015) by Training and Capacity Building (TCB) Cell, Quality Council of India (QCI), New Delhi.

Students Achievements

- › Mr. Jyot Makadia (18BCE088) won the openEDS 2021 deep learning research challenge track 1 3d eye semantic segmentation and placed 3rd on the leaderboard. The event is jointly sponsored by valAI and Facebook-Research on August 1, 2021.
- › Mr. Jainam Sanghvi (18BCE208) published a conference article Res6Edge: An Edge-AI Enabled Resource Sharing Scheme for C-V2X Communications towards 6G, in 6G-envisioned Communications in 2021 International Wireless Communications and Mobile Computing (IWCMC), Harbin, China 10.1109/IWCMC51323.2021.9498593 on August 9, 2021.
- › Mr. Maharsh Shah (18BCE103) incubated at NASSCOM 10000 Startups for NeoFanTasy - a blockchain based fan engagement platform for sports, media and entertainment. {Link: https://www.instagram.com/p/CZq4AM7h64h/?utm_source=ig_web_copy_link} on November 1, 2021.
- › Mr. Amit Dave (18BCE012), and Mohak Acharya (18BCE003) published a research paper Coalition of 6G and Blockchain in AR/VR Space: Challenges and Future Directions in IEEE Access, vol 9, Page 168455-168484 on December 02, 2021 (SCI, WoS, IF: 3.367)
- › Ms. Shivani Bharatbhai Patel (17BCE117) published a research paper SaTYA: Trusted Bi-LSTM-Based Fake News Classification Scheme for Smart Community in IEEE Transactions on Computational Social Systems Early access doi: 10.1109/TCSS.2021.3131945, pp-1-10, in December 2021. (SCOPUS)
- › Mr. Nikunj Sureshbhai Patel (17BCE083), and Shivani Bharatbhai Patel (17BCE117) published a research paper Blockchain-Envisioned Trusted Random Oracles for IoT-Enabled Probabilistic Smart Contracts in IEEE Internet of Things Journal, 8(19), pp.14797-14809 in October 2021 (SCI, WoS, IF: 9.471)
- › Mr. Mohil Patel (17BCE062), and Arpit Shukla (18BCE370) published a paper Deep learning-based malicious smart contract detection scheme for internet of things environment in Computers & Electrical Engineering, Elsevier vol. 97, pp.1-13 in November 2021 (SCI, WoS, 3.818)
- › Mr. Keyur Patel (17BCE080), Chinmay Mistry (17BIT052), Urvis Thakkar (17BIT047) , and Dev Mehata (17BIT115) published a paper A survey on artificial intelligence techniques for chronic diseases: open issues and challenges in Artificial Intelligence Review, Springer, pp. 1-54 in November 2021. (SCI, WoS, IF: 8.139)
- › Mr. Het Shah (17BIT103), and Mansi Shah (17BCE055) published a paper Blockchain for COVID-19: a comprehensive review in Personal and Ubiquitous Computing Journal, Early Access, pp. 1-28 in August 2021 (SCI, WoS, IF: 3.006)
- › B.Tech. Semester-VII students Mr. Hard Rokad (18BEC090) Ms. Rishika Patwa (18BEC087), Ms. Sanskriti Mishra (18BEC095), and Mr. Sarthak Farkya (18BEC096) participated in the ZS Campus Beats Challenge 2021 and secured the first position.
- › B.Tech. Semester-VII student Mr. Yaman Parmar (18BEC070) secured the first position in event

“Azadi Ka Amrit Mahotsav”, online Patriotic Solo Song Competition “Deshraag” organised by the NSS Unit and Students Welfare Board, Nirma University, on August 13, 2021.

- › B.Tech. Semester-V student Mr. Khush Shah (19BEC120) has been declared the country winner and achieved 4th rank at the global level on project ‘REC governance using AI’ organised by Intel® AI Global Impact Festival 2021 in October, 2021.
- › Team of Mr. Akshat Jain (19BEC007), Mr. Barun Debnath (19BEC022) and Mr. Aditya Kundal(19BME005) secured 2nd position in the online event of MATLAB Hackathon, organised by the Department of Electronics and Communication Engineering, Institute of Technology, Nirma University on January 01-03, 2022. It was 48 hours long live Hackathon.
- › B. Tech Civil Engineering student, Mr. Adityasinh Jadeja (19BCL505) was the 1st runner up of the national level competition “UltraTech Stimulus Competition” for West Zone on June 30, 2021. A cash prize of Rs.10,000/- was awarded to him.
- › Mr Thakkar Dhruv (18BCL112) secured First Position in QUIZ O MANIA’ 21 a State Level Quiz on Concrete Day on 7th September 2021 organised by Indian Concrete Institute Students Chapter of Civil Engineering Department.
- › The International Award Selection Committee conferred “Research Excellence Award” to Prof. Anant Patel and Ms. Neha Keriwala of Civil Engineering Department for the outstanding presentation on “Groundwater level fluctuation analysis and mapping using RS & GIS technology for Ahmedabad district, Gujarat” in the International Multidisciplinary Conference on Recent Trends in Environmental Science and Management organised by Department of Environmental Science & UGC-STRIDE Cell, K. R. T. Arts, B. H. Commerce, A. M. Science (KTHM) College, Nashik, Maharashtra, in collaboration with Brazil Chapter, International Youth Society, Australia held during August 06-07, 2021.
- › Mr. Shah Tirth Bhavinkumar, student of M.Tech in Mechanical Engineering won third prize in technical quiz competition in the domain area of Heating Ventilation and Air Conditioning and Refrigeration (HVAC&R) organised by the American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE), Western India Chapter held on May 08, 2021.
- › Mr. Suhrid Purohit (B.Tech Mech) and Mr. Siddharth Tripathi (B.Tech Mech) with Prof. Hiren Prajapati, received the best paper presentation award at the international conference on “Progressive Research in Industrial and Mechanical Engineering (PRIME2021)” organised by NIT, Patna during August 5-7, 2021.
- › Mr. Aryan Kalariya, a student of Sem-IV, B.Tech in Mechanical Engineering, presented a research paper titled “Thermal and Structural Analysis of Barium Hexaferrite Synthesized by Simple Heat Treatment Method” and was awarded as the best poster presentation award at the conference – Recent Advancements in Materials Science and Nanotechnology, organised by Electronic and Communication Engineering department, Nirma University from February 4-5, 2022.
- › Mr. Tirth Shah (19BEE129) has secured 2nd position out of 125 ambassadors across India in the Campus Ambassador Programme of i5 Summit 2021 held at IIM Indore on August 20, 2021.
- › Mr. Pranjal Gupta (18BEE089), Mr. Shyamal Pathak (18BEE085) and Mr. Adarsh Nanda (18BEE058) members of Team Equinox have secured runner-up position in the event “Prototype Development Competition on Electric Vehicle Technology” sponsored by Siemens Centre of Excellence Pandit Deendayal Energy University Gandhinagar held during April 10-14, 2021.
- › Ms. Parmar Mittalben Hamirbhai (18BEE070) got the Bravo Rank in NCC "C" certificate.
- › Mr. Dhruv Patel (19BEE079) has secured 1st position in CurioCity, an event of Panorama organised by The Reader’s Club during July 23-25, 2021.

Dignitaries visited

International Dignitaries visited during the year 2021-2022:

Name of the Dignitary	Designation and Organisation	Purpose	Date
Dr Sang Won Yoon	Professor, System Science and Industrial Engineering ,SUNY, Binghamton University ,New York , USA	Collaborative Teaching for B.Tech and M.Tech students for Data Mining course.	March 21-23, 2022
Dr Zhao Liang	Associate Professor, School of Computer Science at Shenyang Aerospace University (SAU), China	(Virtual Visit)To Deliver Lecture Series for B.Tech 6th Semester and M.Tech 2 nd Semester Students in the field of IOT.	April 03, 2021 April 10,2021 April17,2021 April 24, 2021
Dr Henry Hong-Ning Dai	Associate Professor, Faculty of Information Technology, Macau University of Science and Technology (MUST), Macau, Taiwan	Collaborative Teaching for Blockchain Technology (BCT) course. To deliver Lecture Series for M. Tech Students "Blockchain Technology"	April 09, 2021 April 16,2021 April 24, 2021
Mr. Jignesh Panchal	Research Team Arm, Sweden	Expert lecture to B.Tech. Semester-V students on the topic, “Perl Programming”	September 13 to October 25, 2021
Dr. Arun Somani	Distinguished Professor and Senior Associate Dean, College of Engineering, Iowa State University, USA	Expert lecture to B.Tech. Semester-VI students on the topic, “Single-cycle and Multi-cycle Data Path”	February 25 to March 10, 2022
Dr. Shishir Shah	Professor, Department Chair, University of Houston, Texas, USA	expert lecture to B.Tech. Semester-VI students on the topic, “Classification Techniques in ML”	February 28 to March 12, 2022
Dr. Neha Bhardwaj Upadhyay	Researcher and Instructor, Faculty of Science Economics, University of Paris	Activating the Truly International Professional: Our Role in Achieving the Global Sustainable Development Goals	January 06, 2022
Dr. Rikin Thakkar	Lecturer, Department of Electrical and Computer Engineering at the University of Maryland, College Park (UMD)	Next-Generation Communication	October 30, 2021
Prof. Deepak Sharma	Associate Professor, Department of Civil and Environmental Engineering, California State University, USA.	B. Tech., Sem-VI (Foreign Expert Lecture Series in CPM Course)	April 03 & 12 & 17 & 19 & 24, 2021, May 01, 2021

Dr. Sanjay Kumar Shukla	Associate Professor, School of Engineering, Edith Cowan University, Perth, Australia.	B. Tech., Sem-IV (Foreign Expert Lecture Series in GE Course)	May 13 & 20 & 27, 2021
Dr. Sudarshan Kurwadkar	Professor, Department of Civil and Environmental Engineering, California State University, USA	B. Tech., Sem-V (Foreign Expert Lecture Series in WRE course)	September 04 & 06 & 16-18, 2021
Dr. Sudhagar Nagarajan	Associate Professor Department of Civil, Environmental and Geomatics Engineering, Florida Atlantic University, USA	B. Tech., Sem- III (Foreign Expert Lecture Series in Surveying course)	September 21 to 24, 2021
Dr. Hongbo Su	Associate Professor Department of Civil, Environmental and Geometrics Engineering, Florida Atlantic University, USA	B. Tech., Sem- III (Foreign Expert Lecture Series in Surveying course)	September 07-09, 2021
Dr. Anand D Hiroji	Assistant Professor (Hydrography), Division of Marine Science, School of Ocean Science and Engineering, University of Southern Mississippi, USA	Application of Total station for Hydrographic Sensor integration: A case of Dimensional Control Surveys for B. Tech Sem III	September 03, 2021
Dr. Ramesh S. V. Teegavarapu	Professor and Graduate Programme Director and Leader of Hydrosystems Research Laboratory (HRL), Department of Civil, Environmental and Geomatics Engineering, Florida Atlantic University, USA	B. Tech., Sem- III (Foreign Expert Lecture Series in Surveying course)	September 14-16, 2021
Prof. Sudarshan Kurwadkar	Professor, Department of Civil and Environmental Engineering, California State University, Fullerton	Expert lecture on “Fate and Transport of Emerging Micropollutants” for Sem V and VII students	September 04 & 06 & 16 – 18, 2021
Dr. Ramesh Teegavarapu	Professor at Florida Atlantic University, USA	B. Tech., Sem-VI (Foreign Expert Lecture Series in WRI course)	February 28, 2022 March 04 & 07 & 09 & 11, 2022
Dr. Sanjay Kumar Shukla	School of Engineering, Edith Cowan University, Perth, Australia.	B. Tech., Sem-IV (Foreign Expert Lecture Series in GE Course)	March 02, 09, 16, 23 & 30, 2022
Dr. Neeraj Buch	Professor & Chairperson - Civil and Environmental Engineering Michigan State University, United States of America	B. Tech., Sem-IV (Foreign Expert Lecture Series in Transportation Engineering Course)	March 07 & 09 & 21 & 23 & 25, 2022

Prof. Chika Udejaja	Professor at London South Bank University	B. Tech., Sem-VI (Foreign Expert Lecture Series in CPM Course)	March 11 & 21 & 24 & 28, 2022
Mr. Husen Kapasi	Blockchain Lead, PWC, Europe	Delivered a Lecture for BTech Students "Blockchain Technology"	August 06, 2021
Dr. Kalyan Sen	Fulbright-Nehru Specialist and GIAN Scholar IEEE Distinguished Lecturer and Chief Technology Officer Sen Engineering Solutions, USA	Delivered a Lecture Series for BTech 6 th Semester and MTech 2 nd Semester students in the field of modern power system	March 08, 2022 to April 08, 2022
Mr Darshil Patel	PhD Scholar, State University of New York, Buffalo & Clemson University, USA	Significance of Inverse Design Methods and Artificial Intelligence (AI) techniques to improve traditional Design Approaches	May 01, 2021
Mr. Dhaval Chauhan	Software Engineer, Koerber Pharma, USA	The Future of Embedded System and Industry 4.0	January 06, 2022
Dr. Amit Degada	University of Kentucky, USA	Recent Advancement in Electronics Technology	January 06, 2022

Expert lectures by Indian Dignitaries during the year 2021-22

Name of the Dignitary	Designation and Organisation	Purpose	Date
Dr. Avinash Nagraj	Vice President - Product Management, Jekson Vision Pvt. Ltd., Ahmedabad	Innovation bent of Mind of Engineers	July 22, 2021
Mr. Rahul Sangavi	Entrepreneur, Independent Consultant, Doctoral Candidate at IIMA Ahmedabad	Why So Serious, Son?	July 22, 2021
Dr. ParthVaishnav	Consultant Psychiatrist, Ahmedabad	Social Media and Addiction	July 22, 2021
Mr. Bharat Goyal	Patent officer Delhi	Awareness on Intellectual Property (IP) Rights	July 22, 2021
Mr. Niraj Bindal	Director, Multi-Systems, Ahmedabad	What to look for in PG Programme?	August 05, 2021
Ms. Cassandra Pillai	Branch Manager, ICICI Bank	Professional Etiquettes	August 06, 2021
Mr. Vasant Vaghamshi	Director, Engineering, ARM Embedded Technologies, Bengaluru	Recent Trends in VLSI and Embedded Industry	August 06, 2021
Mr. Amit Khare	Supdt., Narcotics Control Bureau	Healthy Campus	August 07, 2021
Mr. Vinay Sundra	Operating System in Embedded Devices	Senior Lead Engineer, Qualcomm, Hyderabad	August 31, 2021

Mr. T V S Ram	Scientist SAC/ISRO	Design of FIR Filter using HDL	September 20, 2021
Mr. Jaysheel Chhatrawala	Lead Software Engineer L & T Tech	Social Media and Personality	September 20, 2021
Renjith C V	Product Designer, Philips India LTD, Pune	IoT architecture and product Design	September 13, 2021
Mr. Prakash G	Senior Faculty, Core EL Technologies, Bangalore, India	Synthesis Tools (Vivado Tool - Design Flow, IP Integrator, Embedded System Design Flow)	October 11, 2021
Mr. Poojan Parekh	CEO, Oxvi, India	Do We Realize the Extent of Our Potential?	January 06, 2022
Mr. Jaisheel Chhatrawala	Sensor Software Engineer, L & T Technology Services, Surat	Real-Time Embedded Systems	January 08, 2022
Dr. Raghunath Bhattar	Scientist, SAC-ISRO, Ahmedabad	Universal Verification Methodology (UVM)	March 23, 2022
Dr. P. V. Bhale	Professor, SVNIT, Surat	Inter-Disciplinary Research	August 07, 2021
Dr. Kiran Parmar	Professor, Adani Institute, Ahmedabad	Source coding	October 29, 2021
Prof. Shankaran Anirudhhan	Professor, IIT-Madras	Research Opportunity in Analog Circuits	February 07, 2022
Dr. Sweta Shah	Assistant Professor, SVNIT, Surat	Satellite Navigation	March 09, 2022
Mr. Nirav Patel	Director at Accunova Engineering Pvt Ltd. (Former Senior Design and Development Engineer at Lutron Electronics, USA)	Device Driver & Embedded System Code Profiling	January 09, 2021
Mr. Ankit Adesara	Design Engineer, Synopsis, Hyderabad	Design of Flash ADC	November 18, 2021
Dr. Shruti Oza	Head and Professor, BVDU, Pune	Design of Variable gain Amplifier with CMFB	November 18, 2021
Dr. Dhaval Patel	Associate Professor, Ahmedabad University	Performance Analysis of Spectrum Sensing for xG Network: Mathematical Modelling vs Deep Learning Framework	October 16, 2021
Dr Kedar Trivedi	Head-Marketing, Electric Vehicles Division Antenna Design Group, Rajkot	High-Frequency Structure Simulator tool for Antenna design	September 07, 2021
Mr. Aalap Shah	Director, Hardware Engineering, CISCO Systems	Networking Current Trends	September 30, 2021
Mr. Bhagyesh Rabari	Senior Physical Design Engineer at Wafer Space Semiconductor, Bengaluru, Karnataka	VLSI CAD Design	September 18, 2021
Mr. Rachit Dave	Hardware Manager at Encore Research, Vadodara, Gujarat	Memory Design	October 08, 2021
Mr. Jaisheel Chhatrawala	Sensor Software Engineer, L & T Technology Services, Surat	Real-Time Embedded Systems	February 08, 2022

Mr. Manoj Parmar	Programme Director–AI Shield & Sr. Innovation Expert, Robert Bosch, Bangalore	Real-Time Operating System	February 28, 2022
Dr. Paresh Kariya	Director West, PAPL CORP, Chennai	Expert Lecture on Vertical Transportation for B. Tech., Sem-VI (BSSS Course)	April 08, 2021
Mr. Kaizad Engineer	Director, USTHA, Infinity Solutions Pvt Ltd.	Case Study of Retrofitting of Various type of RC Structures for M. Tech. Sem-II and IV	April 15, 2021
Dr. Bhargav Adhvaryu	Professor of Urban Analytics, Sustainability & Policy, Amrut Mody School of Management, Ahmedabad University	Road Network Planning and Design for B. Tech., Sem-IV (IM Course)	April 16, 2021
Mr. Nitin Berry	Senior Manager, Cluster Head Gujarat, Masters Builders Solutions Pvt Ltd	Protections to Concrete Structures for M. Tech. Sem-II and IV	May 06, 2021
Dr. Jinal Parikh (Alumni)	Assistant Professor, Ahmedabad University	Project Selection, Initiation and Performance Measurement for B. Tech. Sem VII	July 30-31, 2021 August 06-08 & 13 & 18 & 24, 2021
Dr. Shiv Mohan	Retired Senior Scientist, SAC ISRO	Remote Sensing, Microwave Remote Sensing and Application of RS & GIS in engineering Branch for B. Tech. Sem V students	August 02 & 16 & 23, 2021 September 06 & 20 & 27, 2021
Dr Jigar Pandya	SAP Consultant, Ahmedabad	Planning History and Theory for B. Tech., Sem-VII	August 06 & 13 & 27, 2021 September 03 & 17 & 27, 2021
Ms. Prutha Patel (Alumni)	IGBC Consultant	Introduction to IGBC for B. Tech., Sem-V (SBT)	August 06, 2021
Ar. Tarak Jani	GRIHA Trainer & Gujarat Representative and Principal Architect, Vivart Design Studio	Introduction to GRIHA Rating System for B. Tech., Sem-V (SBT)	August 20 & 27, 2021 September 03, 2021
Mr. Shwetal Shah	Technical Advisor, Climate Change Department, Government of Gujarat	Gujarat's Initiatives in Climate Change Adaptation and Mitigation B. Tech., Sem-V	September 27, 2021
Mr. M N Vyas	Registered Chartered Engineer, London & Adjunct Professor, DDU, Visiting Professor, LDCE,	Applications of Life cycle assessment as tool for	October 01 & 22 & 29, 2021

	GEC (Bharuch), Chemical Department.	EMS for B. Tech., Sem-VII (EMS)	
Dr. Shiv Mohan	Retired Senior Scientist, SAC ISRO	Remote Sensing, Microwave Remote Sensing and Application of RS & GIS in engineering Branch for B. Tech., Sem-V (RGG)	October 04 & 18, 2021
Mr. Prem Ranjan	Sr. Manager, Formulation Development, RCS, Reliance Industries Ltd. (Composite Division)	Polymer Matrix Composites for B Tech. Sem-VII (CM)	October 08, 2021
Dr. Anjayenappa	Associate Professor, RVCE, Bangalore	Pavement Construction Techniques for B. Tech., Sem-VII	October 08, 2021
Dr. Shirshendu Chkravarti	Senior Scientist, Center for Glass and Ceramic Research Institute	Ceramic Matrix Composites- Ceramic Materials and its definition, Sintering of Ceramics , Ceramic Matrix Composite, Processing of CMC, Properties of CMC and its testing, Applications of CMC's for B Tech VII (All Programme)	September 17 & 24, 2021 October 01, 2021
Mr. Bankat Mandhania, Director and Mr. Bhushan Deshpande	Vice President, Ashtech India Pvt Ltd.	Superpozz p500 Benefits for Concreting for B. Tech., Sem-III, V & VII (Webinar)	October 19, 2021
Mr. Mukesh Raval	Advisor, L & T, (Retd, Project Director, Statue of Unity)	Challenges in Timely Deliver Project: Eighth Wonder of World for All Students of B. Tech.	October 22, 2021
Mr. Taral Shah	Managing Director, Shivalik Group, Co-Founder, S & H Construction & LOFY India	Emerging Opportunities and Challenges in Real Estate Industry for All Students of B. Tech. Civil	October 22, 2021
Prof. Gaurang Joshi	Professor, Department of Civil Engineering, SVNIT, Surat	Mode Choice Modelling for B. Tech., Sem-VII (UTP)	October 27, 2021
Dr. Ankush Sharma	Junior Scientist, ATIRA	Failure of Matrix Composites for B. Tech., Sem-VII (CM)	October 29, 2021
Dr. Bhargav Dave	CEO, Visilean	Integration of Lean Construction, BIM and Integrated Project Delivery for B. Tech., Sem-VII (ACPM)	November 16, 2021
Mr. Viranj Patel	Customer Success Manager, VisiLean	Integration of Lean Construction, BIM and Integrated Project	November 17, 2021

		Delivery for B. Tech., Sem-VII (ACPM)	
Mr. Jayant Thakkr	Founder, Era Infra Atelier, Gandhinagar	Importance of IRC Specifications, Analysis and Design of Slab Bridge for M. Tech., Sem-I & III	November 25, 2021
Dr. S. Suriya Prakash	Professor and Head, Civil Engineering Department, IIT Hyderabad	Shear and Torsional analysis of Reinforced Concrete Members for M. Tech., Sem-I & III	December 06, 2021
Mr. Rupal Shah	Associate, Taknik Consultants, Ahmedabad.	Recent advancements in Design of Steel Industrial Building for M. Tech., Sem-I	December 10, 2021
Shri Ragunath Patil	GM, NUVOCO Vistas Pub. Ltd.	Advances in Concrete Technology for M. Tech., Sem-I & III	December 11, 2021
Mr. Nimit Sheth	CEO and MD, Ramana Safety and system	Fire Safety in Buildings for B.Tech Semester VI Students	January 25, 2022
Mr. Bhavin Shah	Founder and CEO, SQVe consultants	Overview of MEP services for Civil Engineers for B.Tech Semester VI Students	January 27, 2022
Ms Megha Bhatt (Alumni)	Principal Associate-Electra Techno Consultant, Plumbing System and Maintenance	B.Tech Semester VI Students	January 11 & 21, 2022 February 01 & 08, 2022
Mr Vivek Ganatra (Alumni)	Sr. Manager, Reliance Ltd	Building Security and Automation for B.Tech Semester VI Students	January 13 & 20 & 28, 2022 February 03, 2022
Mr. Ashim Karmakar	Consultant Adani Total Gas Ltd.	Construction Project Management & Advanced Construction Technology for B.Tech Semester VI Students	March 23 & 25, 2022
Mr. Tirtha Banerjee	Head – Training Dr. Fixit Institute of Structural Protection & Rehabilitation C/O Pidilite Industries Limite	Water Proofing and Damp proofing Materials, Technology and case studies for B.Tech Semester VI Students	March 24, 2022
Mr. Amol Poppli	Manager, Road Surfacing (West) at STP Limited (Berger Group Company), Vadodara	Repair Materials including Advancement with Case Studies for B. Tech Semester VI Students	March 31, 2022
Miss Misree Vachhani (Alumni)	Senior Manager, Offer Marketing, Schneider Electric, Bengaluru	Delivered a technical session for B Tech students titled “Your role in creating a sustainable future”	17 th April, 2021

Mr. Suwarn Pant	General Manager (EV Product), TATA Motors Ltd, Pune	Delivered an expert talk on “Electric vehicle technology”	3 rd August, 2021
Mr. Dhruvesh M. Mehta	Assistant Manager - Single Product Design, TEB Energy (India) Pvt. Ltd., Vadodara.	Delivered a lecture on “Manufacturing technology in recent transformers”	17 th September, 2021
Mr. Ambrish Gandhi	Principal Technical Expert (R & D), Schneider Electric India Pvt Ltd., Bangalore.	Delivered a lecture on “Application of AI & ML in electrical engineering”	8 th October, 2021 Friday
Mr. Viren Kheni	Manager, Ananta Consulting Group	Delivered a lecture on “North American power market scenario”	28 th October 2021
Mr. Dhiraj Jagtap	Application Engineering Team (MATLAB), Design Tech. System Pvt. Ltd., Ahmedabad	Delivered a lecture on “Power electronics application using MATLAB”	29 th October, 2021
Dr. Sivaji Chakravorti, FNAE, FNASc, Humboldt Fellow	Professor, Electrical Engineering Department Jadavpur University, Kolkata	Delivered a lecture on “How to start research work in structured manner”	19 th January, 2022
Mr. Nihar Raj	Vice President Adani Transmission Ltd. and Officials of CIGRE India	Session on “CIGRE and its role in Electrical Technology”	24 th March, 2022
Mr. A C Mathur	Retired Group Director, Space Applications Centre, ISRO	Space Applications of Mechanical Engineering	April 03, 2021
Mr. Jasmin Panchal	HR manager, Tata Motors	Career Prospects for Mechanical Engineering	April 29, 2021
Mr. Rahul Jaiswal	Operations In Charge Magna Automotive India Pvt Limited	Smart Manufacturing – Indian Perspective	April 29, 2021
Dr. Atul Sharma	Professor, Department of Mechanical Engineering Indian Institute of Technology, Bombay	Physical Law and Discrete math based FVM and CFD on a Staggered Grid	April 15, 2021
Dr Yash Shukla,	Technical Director, CARBSE, CEPT University	Cooling Load Calculation	May 06, 2021
Swami Nikhileshwaranandji	Swamiji Ramkrishna Ashram, Rajkot	Self-Management by understanding the world within	July 22, 2021
Mr Gitanj Sheth	Entrepreneur	Entering the unexplored world	July 22, 2021
Mr. Dhruv Patel	Designation, Assistant Manager Techno-Commercial Adani Enterprise Ltd.	Entrepreneurship - Step towards Start Up India.	July 23, 2021
Mr Ravish Bhatt	IAS -- Deputy commissioner of Income Tax, Govt of India.	Civil Services Examination - An Opportunity or a Challenge	July 23, 2021

Mr Preet Mehta	Maintenance Engineer, DCM Shriram Ltd. (Shriram Alkali and Chemical)	Importance of Soft Skills	July 23, 2021
Team from "Secure Meters"	Team from "Secure Meters"	Overview of Shainin Methodology (A problem solving technique)	July 29, 2021
Team from "Secure Meters"	Team from "Secure Meters"	IOT for manufacturing	August 04, 2021
Dr. Manish Bhargava	Associate Professor National Institute of Technology, Agartala	Current trends in Additive Manufacturing	September 15, 2021
Mr. Gourav Jain	HVAC Consultant PDA Green Ltd. Ahmedabad	Energy Conservation Building Code (ECBC) and eQUEST - energy modeling software	October 21, 2021
Dr. Manish Bhargava,	Associate Professor National Institute of Technology, Agartala	Recent Quality practices in Manufacturing	September 14, 2021
Dr. Manish Bhargava	Associate Professor, National Institute of Technology, Agartala	Modern practices in CAD/CAM	September 16, 2021
Mr. Gourav Jain	HVAC Consultant PDA Green Ltd. Ahmedabad	Energy Conservation Building Code (ECBC) and eQUEST – energy modeling software	October 21, 2021
Mr. Nikhil Sonavane and Dr. Pranav Lad	Education Technical Evangelist Customer Success Engineer MathWorks, Pune	Introduction to MATLAB and Simulink and its application to Mechanical Engineering	January 21, 2022
Mr. Nitin Wakode	Director, Mastercam Deccan IT Technologies	CAD/CAM and CNC Programming with MasterCam	January 28, 2022
Mr. Ravi Kumar Verma	Engineer, Space Applications Centre (SAC)-ISRO, Ahmedabad	Aerospace Materials- Present Trends and future perspectives	February 16, 2022
Prof M M Joglekar	Associate Professor, Mechanical Engineering Deptt. IIT Roorkee	Material Selection in engineering design, using the Ashbey charts	March 25, 2022

I. CURRICULAR ASPECTS

New programmes being offered

- › Doctoral Programme in Mathematics
- › B. Tech. (Construction Technology) for L&T Engineers

New courses being offered

The syllabi of B.Tech. EC Semester VII and VIII are completely revised. As a result of this many new courses were introduced as listed below:

- › Microwave and Antenna Engineering
- › Computer Networks
- › Estimation and Detection Theory
- › Broadband Wireless Communication
- › Modern Processor Architecture
- › Computer Vision
- › Internet of Things
- › Embedded Operating Systems

New Interdisciplinary courses

- › 2CSDE85- Artificial Intelligence
- › 2CSDE86- Application Development Frameworks
- › 2CSDE93- Blockchain Technology
- › 2CSDE77- Microservice Architecture and Programming
- › 2CSDE80- Software Testing and Quality Assurance
- › 2CSDE87- Ethical Hacking and Vulnerability Assessment
- › 2CSDE56- Graph Theory
- › 2CSDE67- Cloud Computing
- › 2CSDE61- Deep Learning
- › 2CSDE69- Lamp Technology
- › 2CSDE53- Information Retrieval Systems
- › 2CSDE70- Natural Language Processing
- › 2CSDE75- Advanced Data Structures
- › 2CSDE71- Data Mining
- › 2CSDE54- Information and Network Security
- › 2CSDE60- Advanced Java
- › 2CSDE55- Agile Software Development
- › 2CSDE66- Internet of Things
- › Programming with Python
- › Arduino for Engineers
- › System design using arm controller
- › Two courses Money, Banking and Finance (2HSOE57) and Introduction to Accounting (2HSOE58) have been offered as Open Electives to students of B Tech, Semester VII.

Open Elective by Civil Engineering Department

- › 2CLOE3- Composite Materials
- › 2CLOE4- Finite Element Methods
- › 2CLOE28 – Road Safety Management
- › 2CLOE29- Project Management

No. of course where major revision is made

The Teaching and examination schemes and the syllabus of BTech EE Semester VII & VIII were revised completely and made effective from July 2021 onwards. As a result of this many revised courses were introduced as listed below:

- › Electric Vehicle Technology
- › Electromagnetic Interference and Electromagnetic Compatibility
- › Control of Electric Drives
- › Digital Signal Processors for Electrical Systems.

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.
- › Stakeholders' meetings were conducted to take opinion and suggestions on the curriculum and as per their feedback, the curriculum was revised.
- › Video lectures related to each course are shown to students in class. Eminent speakers were invited for expert talks on different topics.
- › More elective courses, rigorous minor projects at PG level.
- › More department electives are offered and more options are given under one elective head.
- › A course website and blog has been developed for each course and access of both is available to student to enable 24*7 learning.
- › 10% self-study component has been included in each course.

II. Teaching-Learning and Evaluation

Faculty Completed PhD : 10

Faculty Pursuing PhD : 71

10 Faculty members were awarded PhD in 2021-22, taking the total count to 144 PhD holders in the Institute.

Innovation in Teaching – Learning and evaluation

Various innovative ideas were planned and implemented by faculty members to cultivate interest in learning in online mode without compromising the evaluation standards. Some of the innovative practices include the following:

- › Extensive use of demonstration-based teaching in theory and laboratory sessions
- › Use of multimedia tools to offer experiential learning to students
- › Group assignments in laboratories for enabling social interaction in isolated studies with an aim to create an aptitude of team building
- › Including case studies in courses to motivate the students about changing trends with needs
- › Using Virtual Laboratory set ups for demonstrating the key concepts
- › Welcoming new ideas through project based learning and research paper writing
- › Providing individual attention to each student through regular academic feedbacks, mentoring, counselling and technical discussion during laboratory hours
- › Guiding students in their study work during several academic inadvertent flaws or technological faults during tests/examinations by offering meticulous advice and amicable solutions to their issues on an individual basis
- › Self-Study component included in each course of UG and PG
- › Regular collaborative teaching is being arranged for the students to make them industry-ready professionals
- › Special quiz prepared on the concept of competition
- › Special assignment in course based on hardware to give practical knowledge and system design to students
- › Surprise Tests/ Challenges with motivational incentives in courses
- › Innovative quiz like Ask your Friends to make the sessions interesting and informative
- › A hardware-based project is introduced in special assignment in several subjects. This has helped the students to raise the level of their minor as well as major projects
- › Students' blogs were used for evaluation in one of the course of Open Electives. The blogs were collaborative in nature and archived the contribution of Women in STEM.

Activities to sustain healthy practices

- › Courses on Yoga, critical thinking, ethics and values are offered to BTech Students.

- › A variety of assignments are given in all the subjects for Continuous Evaluation, for eg: term papers, projects, quizzes, etc. Mini projects were given and evaluated as a part of Continuous Evaluation in almost all the laboratory-based subjects.
- › OBE-based assessment of Class Test, Sessional Exam, LPW, Special Assignment, and Semester End Exam are being carried out regularly.
- › Informal and formal students' feedback on teaching-learning, infrastructure facilities on the campus, and suggestions for overall improvement is taken.
- › Departments encourage student to participate in various activities like NCC and NSS for their holistic development.
- › Students are provided with ample guidance and motivation to put their innovative ideas into actual research.
- › During the semester, the academic review is carried out two times. The first review was carried out after six to eight weeks from the commencement of the semester and the second review was carried out towards the end of the semester. The purpose of the academic review was to ensure that the teaching-learning activities of various courses are as per the plan. This review reports include information on the percentage of syllabus covered, planned, and accomplished Continuous Evaluation (CE) and Lab Practice Work (LPW) components, and details of the students having non-satisfactory performance.
- › Regular attendance monitoring and reporting and compulsory 85% attendance for the students.
- › Regular follow-up to the parents of the students who lag in attendance.
- › OBE-based assessment of Class Test, Sessional Exam, LPW, Special Assignment, and Semester End Exam are being carried out regularly.

Interdisciplinary Student Projects

Title of the Project	Department	Names of the Guides	Student
Non-Contact type inline TDS Measurement using spectral	Electronics & Instrumentation engineering	Prof. Harsh K Kapadia Prof. A. Dwivedi	Devansh Rana(18BIC014) Simran Lulla (18BCH061)
Extraction of useful products from biomass plastic – IDEA Lab project	Mechanical and Chemical Engineering	Dr. D.S. Upadhyay, Dr. Amita Chaudhary	Nirmit Dave-19BME030, Moiz Rangwala-19BME063, Sidharth Parekh-19BCH037

Exam Reforms implemented

- › Make-up examination policy for Continuous Evaluation (CE) component is introduced.
- › Rubrics-based evaluation carried out in Minor and Minor project courses.
- › Transparent evaluation system (assessed answer sheet of all the examinations are shown to the students).
- › Development of methodology for online assessment for various courses.
- › Re-evaluation policy for SEE/SPE theory is introduced.
- › Two quizzes of 15 and 20 marks each are taken instead of class test of 35 marks.
- › Three options for SEE/TEE are implemented during odd semester. A student, who cannot appear in scheduled offline TEE/SEE due to valid reasons, can appear in the Supplementary Examination which will be conducted within two weeks of commencement of next semester. Students can also opt to appear in Examinations after six months along with Semester/Trimester End Examination of next term. The students will have to take prior permission to appear in the optional examination from respective Director of the institute.

Number of faculty development programmes availed by faculty	: 127
Number of faculty development programmes organised by the Institute (Categories: Refresher/STTP, Induction, computer application, soft skills, pedagogy, quality)	: 33
Invited/endowment lectures	: 120
Non-Teaching Staff Development	: 08

III. Research, Consultancy and Extension

Research Projects

Major Research Project funded by External Agencies

Financial Year	Completed		Ongoing		New projects (ongoing / sanctioned)	
	Number	Amount (Rs in lacs)	Number	Amount (Rs in lacs)	Number	Amount (Rs in lacs)
2021-22	04	82.08	06	204.51	8	190.17
2020-21	10	177.62	6	170.15	4	106.20

Major Research Projects funded by Nirma University

Financial Year	Ongoing		Sanctioned	
	Number	Amount (Rs in lacs)	Number	Amount (Rs in lacs)
2021-22		28.40	-	-
2020-21	-	-	1	28.40

Minor Research Project funded by External Agencies

Financial Year	Completed		New projects (ongoing/ sanctioned)	
	Number	Amount (Rs in lacs)	Number	Amount (Rs in lacs)
2021-22	1	2.00	-	-
2020-21	1	1.32	1	2.00

Minor Research Project funded by Nirma University

Financial Year	Completed / ongoing / Sanctioned	
	Number	Amount(Rs in lacs)
2021-22	28	24.53
2020-21	17	15.60

Completed Major Research Projects

Sr. No.	Title of the Project	Project Investigator/s	Funding Agency	Grant (in Rs.)
1.	Proactive Solutions For Achieving Trust In Cloud Computing Using Machine Learning Approach.	Prof. Madhuri Bhavsar & Prof. Vivek Kumar Sahdeo	Department of Science & Technology	23,94,500/-

2.	Development Of Advanced Algorithms For Land Use Land Cover Classification Using Deep Learning Techniques.	Prof. Sanjay Garg & Prof. Swati Jain	Indian Space Research Organization	20,91,600/-
3.	Design And Development Of A Scalable Framework For Geospatial/Geoscience Data Ingestion, Ad-Hoc Queries, And Analysis On Big Data Environment.	Prof. Jaiprakash Verma & Prof. Sapan Mankad	Indian Space Research Organization	19,82,000/-
4.	Spectral Discrimination and Separability Analysis of Crops and Weeds using Deep Learning Techniques.	Prof. Tarjini Vyas	AVIRIS (ISRO)	17,40,000/-
Total Grant				82,08,100/-

Ongoing Major Research Projects

Sr. No.	Title of the Project	Project Investigator/s	Funding Agency	Grant (in Rs.)
1.	Plasma Pyrolysis Of Dry Municipal Solid Waste (Msw)/Refused Derived Fuel (Rdf) For Syngas And Electricity Generation.	Prof. Sanjay Patel, Dr. Darshit Upadhyay & Prof. Rajeshkumar Patel	Gujarat Council on Science and Technology	45,23,200/-
2.	Growth and characterization of nanostructured thin films of magnetic materials for the high-speed computer memory cell.	Prof. Chetna Chauhan & Prof. Devashrayee Niranjana	Gujarat council on science and technology	25,35,500/-
3.	Calibration And Validation Of Risat-1 Sar Sensor.	Prof. Parul Patel	Indian Space Research Organization	49,33,600/-
4.	Torsional Behavior Of Reinforced Concrete Elements Strengthened With Stainless Steel Wire Mesh.	Prof. Sunil Raiyani & Prof. Paresh Patel	Science and Engineering Research Board	18,30,000/-
5.	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. Manish Shah & Dr. Nasreen Munshi (In collaboration with Institute of Science and Veer Narmad University)	Gujarat State Biotechnology Mission	48,96,600/-
6.	Development Of Autonomous Reconfigurable Load Carrier.	Prof. Akash Mecwan & Prof. Dhaval Shah	Gujarat Council on Science and Technology	17,32,000/-
7.	Strengthening Precast Beam-Column Connections using Stainless Steel Wire Mesh (SSWM) - Experimental and Numerical Study	Prof. Paresh Patel & Prof. Digesh Joshi	Nirma University	28,40,000/-
Total Grant				2,32,90,900/-

Sanctioned Major Research Projects

Sr. No.	Title of the Project	Project Investigator/s	Funding Agency	Grant (in Rs.)
1.	Use of recycled C&D waste, fly ash, bottom ash, dredged marine sand, and gypsum for construction of sustainable salt pan beds for enhancement of salt productivity through prevention of brine percolation.	Prof. Sonal Thakkar & Prof. Urmil Dave & Dr. Bhoomi Andharia (In collaboration with Central Salt and Marine Chemical Research Institute (CSMCRI), Bhavnagar)	Department of science & technology	9,99,300/-
2.	Studies And Prototype Development For Recycle And Reuse Of Waste Streams From Stainless Steel Industries	Prof. Jayesh Ruparelia & Prof. Urmil Dave	Gujarat Council on Science and Technology	22,33,000/-
3.	Design and development of Fabry Perot cavity-based feed cluster.	Prof. Dhaval Pujara	Indian space research organization	22,34,000/-
4.	To enhance the quality of bio-coal prepared from rice straw for co-firing in a power plant.	Prof. Darshit Upadhyay	Science and engineering research board	18,30,000/-
5.	Secondary flow aided inertial separation of discrete-sized microparticles in complex-shaped microchannels.	Prof. Absar & Prof. Nirajkumar Shah	Science and engineering research board	28,63,700/-
6.	Development of a vision-based multi-degree of freedom serial manipulator for patients suffering from neurological disorders and infectious diseases (covid-19).	Prof. Reena Trivedi & Prof. Priyam Parikh, Prof. Keyur Joshi, Prof. Jatinkumar Dave	Gujarat council on science and technology	16,05,000/-
7.	Development of a low-carbon cementitious material by recycling Calcium Carbide Residue (CCR) waste from foundation industries to decarbonize the construction sector	Prof. U. V. Dave, Prof. Monower Sadiq & Prof. Kunal D. Kansara (In collaboration with Liverpool John Moores University (LJMU), UK)	Innovate UK	52,50,000/-
8.	Development and Testing of NavICSuit: Processing Software Tool for NavIC Receiver	Dr. Sachin Gajjar	Indian space research organization	20,02,000/-
Total Grant				1,90,17,000/-

Completed Minor Research Projects

Sr. No.	Title of the Project	Project Investigator/s	Funding Agency	Grant (in Rs.)
1.	Experimental Investigations On Rc Rc Girder Model Of Bridges With Half-Joint And Retrofitting Strategies.	Prof. Sharadkumar Purohit	QR Global Challenges Research Funding (GCRF) at Liverpool John Moores University, UK	2,00,000/-
Total Grant				2,00,000/-

Sanctioned, Ongoing and Completed Minor Research Projects

Sr. No.	Title of the Project	Project Investigator/s	Funding Agency	Grant (in Rs.)
1.	Synthesis And Biological Evaluation Of Functionalized Pyrazoline Derivatives	Prof. Shibu Pillai	Nirma University	1,00,000/-
2.	Development Of Metallic Oxides Based Electrolyte For The Organic Solar Cell	Prof. Neha Patni & Prof. Shibu Pillai G.	Nirma University	1,00,000/-
3.	Improvement In Performance Of Retaining Wall Reinforced Using Waste Materials	Prof. Hasan Rangwala	Nirma University	1,00,000/-
4.	Performance And Durability Studies For Concrete Pavements Utilizing Supplementary Cementations Materials, Recycled Concrete Aggregates And Manufactured Sand.	Prof. Hemanth Kamplimath	Nirma University	1,00,000/-
5.	Experimental Investigation On Composite Column Under Monotonic Axial Loading	Prof. Arth Patel & Prof. Jahanvi Suthar	Nirma University	1,00,000/-
6.	Soil Properties Modification Using Waste Materials Plastic Waste And Alkali Activated Binders	Prof. Alka Shah Murari & Prof. Hirah Thakar	Nirma University	1,00,000/-
7.	Development Ancl Performance Evaluation Of Ultra High Performance.	Prof. Vineet Kothari Vineet	Nirma University	1,00,000/-
8.	Flood Modelling And Simulation Using Various Digital Elevation Model.	Prof. Anant Patel & Prof. Keval Jodhani	Nirma University	1,00,000/-
9.	Applications Of Microcapsules For Self-Healing Of Cracks In Reinforced Concrete Elements.	Prof. Sonal Thakkar	Nirma University	1,00,000/-
10.	Automation Of Water Irrigation Systems Using Wireless Sensor Networks.	Prof. Parita Oza & Prof. Usha Patel	Nirma University	71,500/-
11.	Design And Development Of Protection Scheme Of Radial Transmission System.	Prof. Sarika Kanojia	Nirma University	57,800/-
12.	Low Voltage Ride Through Enhancement Of Induction Generator Based Wind Farms Incorporating Fault Current Limiter.	Prof. Chintan Mehta & Prof. Tarunkumar Tailor	Nirma University	70,000/-
13.	2021 Design & Development Of Internet Of Things (Iot) Based Real Time- Smart Energy Management System (Rt-Sems) For Green Micro-Grid.	Prof. Sonam Parashar & Prof. Manisha Shah	Nirma University	95,600/-
14.	Fabrication Of Bi-Directional Converter For Vehicle-Grid Interface.	Prof. Pattath Kapil N. & Prof. Thankachan Jose	Nirma University	46,000/-
15.	Design And Development Of Charge Controller For Battery System.	Prof. Kaumil Shah & Prof. Homraz Amroliya.	Nirma University	56,000/-
16.	Implementation Of Grid Connected Photovoltaic System	Prof. Chanakya Bhatt & Prof. V.V. Karri	Nirma University	90,000/-
17.	Synthesis And Characterization Of Hexaferrite Samples For High Frequency Appliances.	Prof. Tanuj Gupta & Prof. Chetna Chauhan	Nirma University	70,000/-
18.	Covauxiliary: A Nursing Assistant Robot	Prof. Dhaval Shah & Prof. Akash Mecwan	Nirma University	1,00,000/-

19.	Experimental Setup Of Visible Light Communication System	Prof. Rachna Sharma	Nirma University	91,800/-
20.	IOT - Driven Intelligent Transportation System For Nirma University.	Prof. Chandan Trivedi & Prof. Pronaya Bhattacharya	Nirma University	93,300/-
21.	Labmimo: Virtual Workbench For Nonlinear Coupled Multi-Input Multi-Output Process Control Study.	Prof. Alpeshkumar Patel	Nirma University	1,00,000/-
22.	IOT Based Smart Cart For Shopping In Super Markets.	Prof. Deepika Shukla & Prof. Monika Shah	Nirma University	61,000/-
23.	A Digital Humanities Project On Study Of Presence And Problems Of Gendered Language In Digital World (Computer Mediated Communication) With Special Reference To Political Reporting Using Ai.	Prof. Richa Mishra & Prof. Ratna Rao	Nirma University	1,40,000/-
24.	Study On Vibration Assisted Hole Flanging Using Single Point Incremental Forming.	Prof. Rudreshkumar Makwana	Nirma University	65,000/-
25.	Design Of A Locomotion Mechanism For The Amphibious Robot.	Prof. Vishal Mehta & Prof. Shruti Chauhan	Nirma University	75,000/-
26.	Microwave Processing Of Metal Matrix Composite (Mmc) For Biomedical Applications.	Prof. Shruti Bhatt	Nirma University	1,00,000/-
27.	Experimental Study And Correlation Development Of Erosive Wear For Pump As Turbine.	Prof. Roshankumar Tandel	Nirma University	70,000/-
28.	Development of Hysteresis type Cost effective Damper for Seismic application.	Prof. Utsav Koshti	Nirma University	1,00,000/-
Total Grant				24,53,000/-

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)
2021-22	1	0.0015	126	4.91
2020-21	3	0.14	56	3.30

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 calculate-ion of average impact factor	Average impact factor
2021-22	8	1	0.243	193	147	3.014
2020-21	1	0	0	134	122	2.26

Summary

Research Publications by Faculty

International Journals	: 207
National Journals – Referred Papers	: 8
International Conference	: 157
National Conference	: 1
Books	: 8
Chapter in Books	: 65
University Journals	: 0

Research Awards

Sr. No.	Name of Faculty Member	Recognition/ Honour/ Award	Reason	Other details
1	Prof. Ankit Thakkar	IEEE	Elevation to the grade of IEEE Senior member	--
2	Dr Pronaya Bhattacharya	Best Paper Award	Best Paper Award in 2nd IEEE ICIEM-2021 Conference	Fitzrovia, London, UK
3	Dr. Sudeep Tanwar	Top Cited Article	Recognition given by International Journal of Communication Systems, Wiley	New Jersey, U.S
4	Dr. Sudeep Tanwar	Best Paper Award	17th IEEE ComSoc IWCMC 2021 Conference	Harbin, China
5	Dr Mohd Zuhair	Best Paper Award	2nd IEEE ICIEM-2021 Conference	Fitzrovia, London, UK
6	Prof. Deepti Saraswat	IEEE ICIEM-2021	2nd IEEE ICIEM-2021 Conference held at Fitzrovia, London, UK	Fitzrovia, London, UK
7	Prof. Ashwin Verma	Best Paper Award	2nd IEEE ICIEM-2021 Conference	Fitzrovia, London, UK
8	Dr. Sudeep Tanwar	IEEE Outstanding Leadership Award	IEEE Technical Committee on Scalable Computing in collaboration with the 24th IEEE International Conference on Computational Science and Engineering (CSE 2021)	Shenyang, China
9	Dr. Sudeep Tanwar	Best Paper Award	IEEE 6th International Conference on Computing, Communication and Automation (ICCCA), Galgotia University, India	Galgotia University, India
10	Dr. Sudeep Tanwar	Dr. KW Wong Annual Best Paper Prize for 2021	Journal of Information Security and Applications and Elsevier	Amsterdam, Netherlands

11	Dr. Sudeep Tanwar	Secured 38th RANK (within India) in the 8th edition of "Top Computer Science Scientists for Computer Science	Research.com	USA
12	Dr Pronaya Bhattacharya	Best Paper Award	IEEE ICIEM-2022	Fitzrovia, London, UK
13	Dr Pronaya Bhattacharya	Best Paper Award	7th IEEE ComSoc IWCMC 2021 Conference	Harbin, China
14	Narasimha Reddy Ravuru, Sanjay S Patel, Parin Purvin Shah	Best Paper Award	Best Oral Presentation	International Conference on Condensed Matter and Device Physics-2021, PDEU, Gandhi Nagar
15	Dr. Neha Patni	Best Paper Award	Best Paper Award in International Conference on Green technologies for sustainable development GTSD 2021	Dharmsinh desai University, Nadiad
16	Dr. Sanjay Patel	Nirma Ltd Chair Professor	Dr Sanjay Patel was appointed as Nirma Ltd Chair Professor from December 2021.	-

Ongoing Research Collaboration /New collaboration

- The Department of Electronics and Communication Engineering, Institute of Technology signed a Memorandum of Understanding (MoU) with a globally renowned research-driven multinational healthcare company, the Finecure Pharmaceuticals Ltd. The purpose of MoU is to carry out collaborative research work on the planned innovative ideas as well as to provide project-based learning opportunities to the students.
- The department of Electronics & Instrumentation signed an MoU with B & R Automation Pvt. Ltd. on December 1, 2021. Under this newly signed MoU department will plan various activities which help students to enhance their practical knowledge in the area of Automation Industry.
- Civil Engineering Department has signed MoU with L&T Ltd. As a part MoU Civil Engineering Department, Mechanical Engineering Department and Electrical Engineering Department is offering B. Tech. in Construction Technology for L&T Engineers.
- Training programmes have been conducted for non-electrical engineers of TATA Motors Limited, Sanand and Pune.

Activities carried out during the year under existing MoUs

- The MoU with Infosys was renewed in 2022 by Department of Computer Science and Engineering. Infosys launched Infosys Head Start programme where students of different semesters and streams can study a variety of courses and undergo their summer internship. A Faculty member from the department was deputed to attend the "Train the Trainer Programme on Java Programming" by Infosys from September 6-10, 2021.
- In the year 2021-22 three students from CSE did their Major Project in INS Valsura, Indian Navy.
- The Department of Electronics and Communication Engineering organised Collaborative Teaching

in the course of 2ECDE60–Embedded Systems & 3EC3209–Embedded Operating System. It was on ‘Real-Time Operating Systems (RTOS)’ for the students of the B. Tech. Semester-VI (EC) and the students of M.Tech. Semester-II (EC, ES). A total of eight sessions were conducted by the industry expert (Mr. Manoj Parmar, Programme Director – AIShield at Robert Bosch Engineering and Business Solutions Private Limited (RBEI), Bangalore) during February-March 2022.

- 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 oOU department have Mitsubishi Sponsored Factory Automation laboratory with latest Industrial Automation related equipment like Q PLC Training Set up, FX PLC Training Set up, iQR Training Set up kit, Robot trainer Kit etc.
- One day online training programme on “VFD-800” was conducted by the ATC Mitsubishi Electric India Pvt. Ltd., and Department of Electronics and Instrumentation on July 31, 2021.
- One day online training programme on “GOT 2000” was conducted by the ATC Mitsubishi Electric India Pvt. Ltd., and Department of Electronics and Instrumentation on August 7, 2021.
- Two days online training programme on “iQR PLC” was conducted by the ATC Mitsubishi Electric India Pvt. Ltd., and Department of Electronics and Instrumentation on October 29-30, 2021.
- One day online training programme on “LVS” was conducted by the ATC Mitsubishi Electric India Pvt. Ltd., and Department of Electronics and Instrumentation on December 29-30, 2021.
- One day Offline training programme on “MELSEC iQ-F PLC” was conducted by the ATC Mitsubishi Electric India Pvt. Ltd., and Department of Electronics and Instrumentation on January 29, 2022.
- Two days online training programme on “iQR PLC” was conducted by the ATC Mitsubishi Electric India Pvt. Ltd., and Department of Electronics and Instrumentation on February 18 -19, 2022.
- One day online training programme on “GOT 2000” was conducted by the ATC Mitsubishi Electric India Pvt. Ltd and Department of Electronics and Instrumentation on March 5, 2022.
- Civil Engineering Department as a part of MoU with CSMCRI, Bhavnagar has jointed applied for project titled “Use of recycled C&D waste, fly ash, dredged marine waste and gypsum for construction of sustainable salt pan beds for enhancement of salt productivity through prevention of brine percolation” and the project is principally approved.
- 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 and Professor, AC-SIR are working as RAC Member for the PhD students.
- Civil Engineering Department has MoU with Pidilite Group of Industries to offer training programmes to their employees in the domain of Construction related activities such as Waterproofing, repair, maintenance and rehabilitation of structures.

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

Revenue Generated

Financial Year	Consultancy (Rs in lacs)	Testing (Rs in lacs)	Training (Rs in lacs)
2021-22	10.76	8.40	7.24
2020-21	25.43	10.61	3.00

Extension Activities/Community Services

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 the “Community Services” course. From academic year 2018-19 and onwards the students are required to carry three weeks of social services during the

summer vacation after completion of semester II and semester IV for D2D students. Due to the pandemic, it was not possible to perform social service on the field so 336 students provided technical solutions for different problems faced by NGOs under this course. Also, during Motipura and Miroli village camp, students conducted awareness programmes of different government policies to village people.

- Looking into the Covid-19 pandemic situation, for the academic year 2021-2022 total of 37 groups of 147 students of the EC Department were engaged in a survey and case study of NGOs as Mini Project I and II in Community services course.

Other activity

- A National level online Hackathon “Hack-NU-Thon 2.0: was organised by the Computer Science & Engineering department on April 17-18, 2021. It was a 36 hours’ event where programmers from all over the nation collaborated. The main idea was to form a group of 4 and start developing your project from scratch under guidance of a mentor and in the end submit a working prototype. Themes of the hackathon were: Green Revolution after pandemic, Dealing with COVID- 19 health care industry, Increased Productivity for Remote Working Employees & Systems, Online Educational System and its Advancements, etc.
- Computer Society of India, had an interactive workshop with Mr. Tirth Patel on Git and GitHub basics on July 04, 2021.
- CSI organised coding competition “Vas-CODE-Gama” on August 14, 28, September 11, 25, October 09 and October 23, 2021 exclusively for second and thirds year students.
- GDSC, NU, in collaboration with CSI successfully conducted the event, ‘A Lecture Series on Machine Learning’ on September 11-12, 2021. The lecture series was hosted by the AI/ML Lead of the DSC, Nirma University team Mr. Nandit Pujara – who also leads CSI, Nirma University.
- GDSC, NU, in collaboration with CSI successfully conducted the event, ‘A Lecture Series on Deep Learning’ on September 18-19, 2021. The lecture series was hosted by the AI/ML Mentor of the DSC, Nirma University team Mr. Manish Gupta.
- GDSC NU, in collaboration with CSI, conducted an event, ‘A Lecture Series on Advanced DL’ on September 25-26, 2021. The lecture series was hosted by the – AI/ML mentor, Mr. Mitt Shah. The event was spread out a theory session on the revision of the basic concepts of DL and the practical application of the concepts learnt the previous day.
- ISA Students’ Chapter Nirma University organised an event for the students of Prakash School for specially abled on October 28, 2021.
- ISA Students' Chapter organised a charity drive as part of social initiative on March 25, 2022. They supported the Karmyog Foundation, an old age home at Chandkheda.
- IGBC Students Chapter and Organisation of Civil Engineering Students (OrCES) celebrated the World Environment Day with the theme of Ecosystem Restoration on June 05, 2021. Various events and awareness activities were organised to convey the message on environmental conservation and restoration to the students, such as Expert Lecture, Quiz Competition and Poster Making Competition. A plantation drive was also organised to encourage students to plant trees. E-Certificates were given to the participants.
- On March 22, 2022, Organisation of Civil Engineering Students, IGBC Student Chapters along with NSS Unit, Nirma University organised "World Water Day -2022". An Expert lecture session was organised on World Water Day 2022 theme “Ground Water: Making Invisible Visible”. Various competitions were organised such as Save it Now: Writing Competition, Every Drop Counts: Photography Competition, and Leaving water the future: videography Competition. More than 100 students participated in these competitions. After the completion of the competition, an exhibition was held, in which all the photographs and video of the students were displayed. In addition to this, an awareness drive was also organised.
- As a part of extension activity, MESA organised Autocalypse and Robocalypse for school students every year since 2010. This year event was organised on October 18 – 19, 2021. Students of higher secondary class from various schools of Gujarat took part in the event.

IV. Infrastructure and Learning Resources

Computer systems and peripherals worth Rs 38770171.72- in different departments have been purchased and Computer Software purchased during 2021-22 worth Rs 5059577/- Networking items purchased/ upgradation during 2020-21 was worth Rs 13073732.28 /- the summary of which is given below:

Wi-Fi facility was further enhanced and further 19 access points were added at various blocks/buildings of ITNU. Internet Bandwidth has been upgraded from 1.2 Gbps to 1.5 Gbps for the entire campus.

Details of Computer Systems and Peripherals purchased during 2021-22

Sr. No.	Department	Item description as per PO	Unit Rate Rs	Qty	Total Amount Rs	Purchase Date	Bill No
1	B.Tech MBA	HPE1950 24G 2SFP+2XGT Switch JG960A	39100	2	158731	28/10/2021	1743/2021-22
2	B.Tech MBA	HPE1950 24G 2SFP+2XGT PoE+ Switch JG960A	56318	1	56318	31/12/2021	1743/2021-22
3	GA	APC Smart-UPS RC 2000VA 230v	28000	4	132160	26/06/2021	MSPAHD212 2/20569
4	GA	APC Smart-UPS RC 2000VA 230v	28000	3	139242	02/07/2021	MSPAHD212 2/20570
5	GA	Exten Ded warranty 3 year for each SRC2KUXI APC UPS	3778	9	34002	15/7/2021	MSPAHD212 2/20570
6	GA	APC Smart-UPS RC 2000VA 230v	28000	2	1955940	26/06/2021	MSPAHD212 2/ 20512
7	GA	12V/42AH SMF battery	3100	36	111600	9/7/2021	MSPAHD212 2/20512
8	GA	Battery Rack	1500	6	9000	9/7/2021	MSPAHD212 2/20512
9	GA	Exten Ded warranty 3 year for each SRC2KUXI APC UPS	3778	6	22668	9/7/2021	MSPAHD212 2/20512
10	GA	APC Smart-UPS RC 2000VA 230v	105000	4	420000	9/7/2021	MSPAHD212 2/20512
11	GA	12V/65AH SMF battery	4250	64	272000	9/7/2021	MSPAHD212 2/20512
12	GA	MS battery Rack	2000	4	8000	9/7/2021	MSPAHD212 2/20512
13	GA	Exten Ded warranty 3 year for each SRC2KUXI APC UPS	20900	12	250800	9/7/2021	MSPAHD212 2/20512
14	GA	3 Phase Stabilizer	31000	5	155000	9/7/2021	MSPAHD212 2/20512
15	GA	3 phase Stabilizer	40000	8	320000	9/7/2021	MSPAHD212 2/20512

16	GA	12V/42AH SMF battery	3100	18	76734	02/07/2021	MSPAHD212 2/ 20513
17	GA	Battery Rack with top Cover & Link	1500	3	4500	9/7/2021	MSPAHD212 2/20513
18	CSE	"Lenovo Thinkcentre M75Q Tiny Desktop"	47200	85	4734160	04/02/2022	S-1115
19	CSE	"Lenovo Thinkcentre M70Q Tiny Desktop"	56500	37	2466790	04/02/2022	S-1116
20	CSE	12V/42AH SMF battery	3550	24	109056	07/02/2022	S-0890
21	CSE	LED display Panel "50" (Panasonic Model)	49900	1	49900	21/03/2022	102
22	CSE	UPS 10KVA SRC10KUXI APC amart-UPS-UA1	130000	1	156940	31/03/2022	FB/GS1575/2 1-22
23	CSE	RACK & Link - UA1	3000	1			
24	CSE	12V/42AH-UA1 SMF battery	4187	16	85760	31/03/2022	FB/GS1575/2 1-22
25	CSE	Lenovo Thinkpad E14 GEN2 Laptop	82305	54	4444470	22/02/2022	S-1061
26	PGCE	Lenovo Thinkpad E14 GEN2 Laptop	82305	1	82305	22/02/2022	S-1062
27	PGIN	Lenovo Thinkpad E14 GEN2 Laptop	82305	1	82305	22/02/2022	S-1063
28	MCA	Lenovo Thinkpad E14 GEN2 Laptop	82305	10	823050	22/02/2022	S-1064
29	General Department	Lenovo Thinkpad E14 GEN2 Laptop	82305	6	493830	22/02/2022	S-1073
30	CSE	Motorola E7 Power 64GB,4GB RAM SmartPhone	7664.4	1	8749	28/12/2021	DG24Y36311 455249
31	CSE	Redmi 9i 64GB, 4GB RAM Smart Phone	8466.1	1	9990	31/12/2021	YSN8-19232
32	CSE	Samsung Galaxy M02 2GB RAM,32GB storage Smartphone	7966.1	1	9400	31/12/2021	IN-5103
33	CSE	Power cable	200	1	236	14/02/2022	s-0899
34	CSE	Pen Tablet Make-Wacom	11100	1	13098	18/10/2021	76
35	CSE	DS1630 Scanner Make-EPSON	17000	1	20060	27/10/2021	WT/156/21- 22
36	CSE	Aruba Switch AP-R4W43A	40766.88	10	481049	15/09/2021	1027/2021-22
37	CSE	Aruba switch LIC-JW619AAE	2686.32	66	177297.12	15/09/2021	1029/2021-22

38	CSE	Aruba Switch- LTU JZ400AAE	32911.2	1	32911.2	15/09/2021	1029/2021-22
39	CSE	Aruba Switch - H7UQ1E	167434.23	1	167434.23	15/09/2021	1030/2021-22
40	CSE	Aruba Switch - H8HU6E	3404.8	66	224716.8		
41	CSE	Aruba Switch - H8WU9E	33868.8	1	33868.8		
42	CSE	HPE 1950 12XGT - JH295A	89145.42	11	980599.62	15/09/2021	801/2021-22
43	CSE	HPE X130 10G - JD094B	31464.41	12	377572.92	15/09/2021	801/2021-22
44	CSE	HPE 1950 48G - JG961A	55593.21	27	1501016.57	15/09/2021	801/2021-22
45	CSE	Aruba 10G -J9151E	31464.41	10	314644.1	15/09/2021	801/2021-22
46	CSE	Aruba 8P 1G- J9993A	65000	6	390000	15/09/2021	801/2021-22
47	CSE	HPE 1950 24G - JG960A	39100	14	5474000	15/09/2021	801/2021-22
48	CSE	Aruba 1930 24G - JL683A	29661	13	385593.13	15/09/2021	801/2021-22
49	CSE	HPE 1950 24G - JG962A	56318.07	9	506862.63	15/09/2021	801/2021-22
50	CSE	HPE X240 10G - JD097C	5272.96	18	98913.28	15/09/2021	801/2021-22
51	CSE	Aruba AP-Q9H62A	34415.23	56	1927252.88	15/09/2021	801/2021-22
52	CSE	AP-MNT-MP10-D-Q9G71A	9172.8	5	45864	15/09/2021	801/2021-22
53	CSE	AP-MNT-D-R3J18A	918.12	6	5508.72	15/09/2021	801/2021-22
54	CSE	AP-270-MNT-V2 AP-JW053A	5381.6	10	53816	15/09/2021	801/2021-22
55	CSE	Aruba 7210 - JW743A	56000	1	56000	15/09/2021	801/2021-22
56	CSE	Aruba PSU-350-AC 7200-JW657A	168	2	336	15/09/2021	801/2021-22
57	CSE	PC-AC-IN-JW119A	168	2	336	15/09/2021	801/2021-22
58	CSE	POLYCAB LC SM DUPLEX ADAPTER	106	250	26500	16/6/2021	TI/2122/07/092
59	CSE	POLYCAB LC SM OS2 0.9MM pigtail	100	250	25000	16/6/2021	TI/2122/07/092
60	CSE	POLYCAB SC SM DUPLEX ADAPTER	106	50	5300	16/6/2021	TI/2122/07/092
61	CSE	POLYCAB SC SM OS2 0.9MM pigtail	100	50	5000	16/6/2021	TI/2122/07/092
62	CSE	POLYCAB CAT6A UTP CABLE 4 PAIR LSZH 305	8236	40	329440	16/6/2021	TI/2122/07/092
63	CSE	POLYCAB CAT6A UTP CABLE 4 PAIR FR-PVC 305 M	6353	10	63530	16/6/2021	TI/2122/07/092
64	CSE	POLYCAB CAT6A UTP LSZH ,1M	450	140	63000	16/6/2021	TI/2122/07/092

65	CSE	POLYCAB CAT6 UTP LSZH 305 M	8177	5	40885	16/6/2021	TI/2122/07/092
66	CSE	POLYCAB FIB SC-SC 2MTRS	589	46	27094	16/6/2021	TI/2122/07/092
67	CSE	RACK 42U	32037	2	64074	16/6/2021	TI/2122/07/092
68	CSE	POLYCAB CAT 6A 24 PORT PM LOADED	8953	12	107436	27/08/2021	TI/2122/08/0299
69	CSE	POLYCAB CAT 6A 48 PORT PM LOADED	17906	12	214872	27/08/2021	TI/2122/08/0299
70	CSE	POLYCAB SINGLE I/O WITH F/P AND BACK BOX	424	145	61480	27/08/2021	TI/2122/08/0299
71	CSE	POLYCAB DOUBLE I/O WITH F/P AND BACK BOX	765	270	206550	27/08/2021	TI/2122/08/0299
72	CSE	ONLINE UPS 2 KVA	71992.12	3	215976.36		
73	UG-EC	CAT6 I/O	125	25	3125	24/03/2022	S-1043
74	UG-EC	Face Plate(Duplex)	75	11	825	24/03/2022	S-1043
75	UG-EC	CAT6 Patchcord 1 mtr	120	25	3000	24/03/2022	S-1043
76	UG-EC	Face Plate(Single)	75	20	1500	24/03/2022	S-1043
77	UG-EC	CAT6 I/O	125	41	5125	24/03/2022	S-1042
78	UG-EC	Face Plate(Single)	75	7	525	24/03/2022	S-1042
79	UG-EC	CAT6 Patchcord 1 mtr	120	14	1680	24/03/2022	S-1042
80	UG-EC	Face Plate(Duplex)	75	10	750	24/03/2022	S-1042
81	UG-EC	Surface Mount box	50	6	300	24/03/2022	S-1042
82	UG-EC	CAT6 Patchcord 1 mtr	120	33	3960	24/03/2022	S-1041
83	UG-EC	24 Port WEBSmart GIGABIT Ether switch Make DigisolModel DG-GS1528 S/N:010O5M20009 50	10500	1	10500	22/03/2022	S-1032
84	UG-EC	Patchmax Panel 24 Port	2500	1	2500	22/03/2022	S-1032
85	EC DEPT	Lenovo Thinkpad E14 GEN2 Laptop	82305	24	1975320	22/02/2022	S-1066
86	PG-Embaded	Lenovo Thinkpad E14 GEN2 Laptop	82305	2	164610	22/02/2022	S-1067
87	EE	HUION HS64 - Graphics a Pen Tablet	2800	3	9912	23/07/2021	24
88	EE	High End Computer System	156940	1	156940	22/03/2022	S - 1026
89	EE	Faculty Laptop with HDMI to VGA Convertor	82305	27	2222235	28/03/2022	S - 1070

90	EE	"Lenovo Thinkcentre M70T Tiny Desktop"	52700	5	310930	04/02/2022	S-1117
91	EE	"Lenovo Thinkcentre M70T Tiny Desktop"	52700	15	932790	04/02/2022	S-1118
92	EE-DEPT	Lenovo Thinkpad E14 GEN2 Laptop	82305	27	2222235	22/02/2022	S-1070
93	UG-EI	Lenovo think center M70Q tiny desktops	66670	4	266680	31/03/2022	S-1132
94	UG-EI	Lenovo think center M70Q tiny desktops	66670	24	1600080	31/03/2022	S-1119
95	UG-EI	24 Port WEBSmart GIGABIT Ether switch Make DigisolModel DG-GS1528 S/N:01005M20009 48	10500	1	10500	22/03/2022	S-1033
96	UG-EI	Patchmax Panel 24 Port	2500	1	2500	22/03/2022	S-1033
97	UG-EI	CAT6 I/O	125	25	3125	22/03/2022	S-1027
98	UG-EI	Face Plate(Duplex)	75	12	900	22/03/2022	S-1027
99	UG-EI	CAT6 Patchcord 1 mtr	120	25	3000	22/03/2022	S-1027
100	UG-EI	Face Plate(Single)	75	1	75	22/03/2022	S-1027
101	EI-DEPT	Lenovo Thinkpad E14 GEN2 Laptop	82305	11	905355	22/02/2022	S-1069
102	UG - Mathematics	Ether switch 8 Port - Gigabit (DLINK)	2500	1	2500	28/04/2022	S-00059
103	UG - Mathematics	Toner Cartidge - Laser Printer (Canon)	7750	1	7750	08/03/2022	S-0971
104	UG - Mathematics	Canon ImageCLASS LBP226dw Printer	31270	1	31270	28/01/2022	1896/2021-22
105	UG - Mathematics	Eather Switch 8 Port - Gigabit(Dlink)	2242	1	2242	20/12/2021	S-0743
106	UG - Mathematics	External DVD Writer	2065	1	2065	24/07/2021	S-0277
107	UG - Mathematics	Spares For Printer	2655	1	2655	15/02/2021	S-01037
108	UG - Mathematics	CAT6 INFORMATION OUTLET - DLINK FACEPLATE - SINGLEX (D LINK) SURFACE MOUNT BOX - D LINK RJ-45 CONNECTORS DLINK	670	1	670	09-09-2021	S-00466

109	UG - Mathematics	WEB CEMERA - FINGERS	67500	1	67500	14/08/2021	S- 00353
110	UG - Mathematics	Minapa Aplifer	2500	1	2500	25/07/2021	44
111	MATHS & HUMANAT ICES	Lenovo Thinkpad E14 GEN2 Laptop	82305	15	1234575	22/02/2022	S-1065
112	CIVIL ENGI	Lenovo Thinkpad E14 GEN2 Laptop	82305	23	1893015	22/02/2022	S-1071
113	PG-CL	Lenovo Thinkpad E14 GEN2 Laptop	82305	2	164610	22/02/2022	S-1072
114	CH	Lenovo Thinkcentre M70Q Tiny Desktop	56500	8	533360	04/02/2022	S-1120
115	CH	Lenovo Thinkpad E14 GEN2 Laptop	82305	14	1152270	22/02/2022	S-1057
116	ME	Lenovo Thinkpad E14 GEN2 Laptop	82305	30	2469150	22/02/2022	S-1058
117	PG-ME	Lenovo Thinkpad E14 GEN2 Laptop	82305	2	164610	22/02/2022	S-1059
118	PG-THER MECH.DEP T	Lenovo Thinkpad E14 GEN2 Laptop	82305	1	82305	22/02/2022	S-1060
119	ME	COMSOL Multiphysics(with modules like AC/DC, CFD, Live Link, MEMS, Microfluidics, Optimization, RF, Structural Mechanics etc)		1	898800	28/12/2021	9005920
120	ME	MSC Adams University Research Bundle		20	500000	17/03/2021	202122/345
121	ESTATE	Lenovo Thinkcentre M70T Tiny Desktop	52700	12	746232	04/02/2022	S-1123
122	Placement Cell	Lenovo Thinkcentre M70T Tiny Desktop	52700	2	124372	04/02/2022	S-1124
123	DRI-CQAAD	Printer HP Laserjet M436NDA	52966	1	62500	15/03/2021	S-01153
124	Student Section	Lenovo Thinkcentre M70Q Tiny Desktop	56500	2	133340	04/02/2022	S-1121

Details of Computer Software purchased during 2021-22

Sr. No.	Department	Item description as Per PO	Unit Rate	Qty	Total Amount	Purchase date	Bill No
1	ITNU	Burp Suite Professional 1year subscription	32450	1	32450	08/12/2021	PS/INV/21/12 /874

2	ITNU	NetSim standard for research purpose and ver 13	560000	1	588000	03/03/2022	060/2021-22
3	CSE	M.S.Office 2021	5263	54	284202	25/01/2022	SI/2021-22/3041
4	PGCE	M.S.Office 2021	5263	1	5263	25/01/2022	SI/2021-22/3041
5	PGIN	M.S.Office 2021	5263	1	5263	25/01/2022	SI/2021-22/3041
6	MCA	M.S.Office 2021	5263	11	57893	25/01/2022	SI/2021-22/3041
7	General Department	M.S.Office 2021	5263	6	31578	25/01/2022	SI/2021-22/3041
8	ME	COMSOL Multiphysics(with modules like AC/DC, CFD, Live Link, MEMS, Microfluidics, Optimization, RF, Structural Mechanics etc)		1	898800	28/12/2021	9005920
9	ME	MSC Adams University Research Bundle		20	500000	17/03/2021	202122/345
10	ME	M.S.Office 2021	5263	30	157890	25/01/2022	SI/2021-22/3041
11	PG-ME	M.S.Office 2021	5263	2	10526	25/01/2022	SI/2021-22/3041
12	PG-THER MECH.DEPT	M.S.Office 2021	5263	1	5263	25/01/2022	SI/2021-22/3041
13	EC-Embedded Systems	Proteus VSM simulation software with following Microcontroller Models: 8051; IOT Builder for Arduino AVR for IoT and Robotics simulation MSP 430, PIC 16; Proteus PCB Level 2 (Only One User Stand Alone License)	1699200	25 Users License	1699200	29/01/2022	CMT/21-22/08
14	EC- Physics lab	Origin Software	28,800	3 User License	101952	05/02/2022	NU/20201-21/319
15	EC DEPT	M.S.Office 2021	5263	24	126312	25/01/2022	SI/2021-22/3041
16	PG-Embedded	M.S.Office 2021	5263	2	10526	25/01/2022	SI/2021-22/3041
17	CIVIL ENGI	M.S.Office 2021	5263	23	121049	25/01/2022	SI/2021-22/3041
18	PG-CL	M.S.Office 2021	5263	2	10526	25/01/2022	SI/2021-22/3041

19	CH	M.S.Office 2021	5263	14	73682	25/01/2022	SI/2021-22/3041
20	MATHS & HUMANATICS	M.S.Office 2021	5263	15	78945	25/01/2022	SI/2021-22/3041
21	Humanities & Social Sciences	Word Worth Language Lab - IT/METH/PUR/Language Lab /2020/403, 25.03.2022	25,500 +29,500	2	55000	25/03/2022	010/WW/AMC/22-23-08/04/2022 , 094/WW/AMC/22-23 - 25/02/2022
22	PG-VLSI	M.S.Office 2021	5263	1	5263	25/01/2022	SI/2021-22/3041
23	EI-DEPT	M.S.Office 2021	5263	11	57893	25/01/2022	SI/2021-22/3041
24	EE-DEPT	M.S.Office 2021	5263	27	142101	25/01/2022	SI/2021-22/3041

Library – Learning Resources added

- During the year (April 2021 – March 2022) 292 books were added to the Library and presently it has a collection of 61,596 books.
- 97 print journals and magazines (89 National and 08 International) in the areas of Engineering, English, Mathematics, General Reading, etc.
- Library has subscribed 5 e-journals package and 1 database of IEL Online, ASCE, Science Direct, ACM Digital, Sage Engineering Custom Collection and SCOPUS. This year IEEE eLearning Library (Online Courses) Subscribed by library.
- The Library issued 16,750 books and other documents to its members during the year and 17,599 users visited the library during the year.
- The Library Resource Center provides 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, 14 students (Only first year) availed this facility and borrowed 59 books from this collection.
- Added M.Tech. Dissertations, Ph.D. Thesis, event Photo-albums in the Institutional Repository that have 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.
- Library has purchased Remote Login Software for accessing NU's e-resources outside the campus. Faculty members and Ph.D., PG & UG students are using NU's online and e-resources through Remote Login facility as per e-resource access policy and remote access policy. At present all Faculty members and all UG, PG and Ph. D. students are using this facility.
- Research Wall: Library displays important publications, articles, patents etc. on regular basis throughout the year. Also created a digital research wall on library website.

Laboratory Facilities: Major Additions

Electronics and Communication Engineering

Sr. No.	Name of Equipment	Quantity	Unit Price	Total Amount in Rs
1	Block Code Encoder Scientech 2121A	2	16244	32488
2	Block Code Decoder Scientech 2121B	2	16244	32488

3	Error Detection and Correction Cyclic Codes Sciencetech 2120	2	14720	29440
4	Ultrasonic Interferometer	1	28000	28000
5	Planck's constant measurement	1	14514	14514
6	Bandgap measurement by Four Probe set up	1	20803	20,803
7	Digital Storage Oscilloscope (DSO) 50 MHz	4	22892	91568
8	Arbitrary Waveform Generator	1	43011	43011
9	PCB Prototype Machine	1	530000	530000
10	Resistivity measurement by Hall effect	1	60,730	64164
11	Origin Software (Licensed Version)	3	101952	101952
12	Workstation (Including: Digital Oscilloscope, Function Generator, Dual Power Supply, Multimeter, Breadboard)	6	60730	364384
15	Hi-Definition Cameras for Computer Vision	2	2832	5664
16	Proteus VSM (Virtual System Modelling) Software for Embedded System (Analog and Digital Component Mixed Simulation) and PCB Design (Proteus Simulation Software with following Microcontroller Models:- 8051 , PIC 18, ARM Cortex M3 , MSP 430, ATMEL AVR, IoT Builder for Arduino AVR for IoT and Robotics Simulation, Advanced Simulation Features, Proteus PCB Level 2	Perpetual License for 10 Users in a Lab)	1699200	1699200

Computer Science and Engineering

Sr. No.	Name of Equipment	Quantity	Unit Price	Total Amount in Rs
1	OfficeProPlus 2019 SNGL OLP NL Acdmc	5 Licenses	5553.08	27765.4
2	VSPRO 2019 SNGL OLP NL Acdmc	5 Licenses	5189.64	25948.2
3	Computer Systems	14	53,926.00	7,54,964/-

Civil Engineering

Sr. No.	Item Description	Unit cost Rs	Qty	Total Amount in Rs
1.	Data Taker DT80 with Expansion Module CEM20	484000	1	484000
2.	Load Cell 200T	107380	1	107380
3.	Muffle Furnace	106495	1	106495
4.	Concrete Pan Mixer	274400	1	274400
5.	Multi Parameter Water Proff Meter	107852	1	107852
6.	Planetary Pan Mixer	171100	1	171100
7.	Permeability Apparatus for Geotextiles	196175	1	196175
8.	Abrasion resistance of concrete(under water)	186630	1	186630
9.	Marshal stability test apparatus	218595	1	218595
10.	Fifth wheel bump integrator	495600	1	495600
11.	Rain Fall and River Flow Simulator	418900	1	418900

Mechanical Engineering

Sr. No.	Item Description	Unit cost Rs	Qty	Total Amount in Rs
1	Combined Hydro Turbine Test Rig	619500/-	1	619500

Electrical Engineering

Sr. No.	Item Description	Unit cost Rs	Qty	Total Amount in Rs
1.	Programmable Logic Controller Trainer Board	62,776/-	1	62,776/-
2.	High frequency current probe, up-to 200 MHz, min current 200 μ A.	73,750/-	1	73,750/-
3.	Feeder Protection and Control REF615 IEC Relay	99,120/-	1	99,120/-

Civil Engineering

Water Resources Engineering laboratory is the new addition in 2020-21 to the Civil Engineering Department. It measures about 91 sq. meter area. Water Resources Engineering laboratory facilitates students for measurement of rainfall, infiltration discharge in river or canal, evaporation etc. Some of the equipment in the laboratory include Non-Recording Raingauge, Tipping bucket rain gauge, Pan Evaporimeter, Double Ring Infiltrometer, Soil Tensiometer, Water level indicator.

Sr. No.	Name of Equipment	Unit Cost	Qty	Total Amount
1	Digital Ammonia Meter	86,499/-	1	86,499/-
2	Mud balance	24,482/-	1	24,482/-
3	Dynamic cone penetrometer	14,237/-	1	14,237/-
4	Intel core I7 computer	87,408/-	1	87,408/-
5	Digital Thickness Gauge	34,190/-	1	34,190/-
6	Digital Ductility test apparatus	1,88,820/-	1	1,88,820/-
7	Friction Apparatus	14,337/-	1	14,337/-
8	Total Station	4,72,000/-	1	4,72,000/-
9	Rain gauge-Non Recording type with rain cylinder	4,248/-	1	4,248/-
10	Rain gauge-Digital self-recording types	46,610/-	1	46,610/-
11	Soil Tensometer	11,237/-	1	11,237/-
12	Double ring soil infiltrometer	37,667/-	1	37,667/-
13	Open pan evaporimeter	51,655/-	1	51,655/-

V. Student Support and Progression

Cut-off Percentage Marks – Category-wise

BTech First Year Admission Cut-Off 2021

ALL INDIA CATEGORY (35% of INTAKE)

BRANCH	FIRST ADMISSION		LAST ADMISSION	
	ITNU MERIT No	JEE(MAIN)-2021 ALL INDIA RANK (CRL)	ITNU MERIT No	JEE(MAIN)-2021 ALL INDIA RANK (CRL)
Computer Science and Engineering	86	8889	474	26363
Electronics and Communication Engineering	445	25305	1537	63222
Mechanical Engineering	664	33132	5176	260741
Chemical engineering	486	27012	6490	390132
Civil Engineering	241	16257	7744	613757
Instrumentation and Control Engineering	1579	64788	7811	631652
Electrical Engineering	721	35286	8196	843464

NRI/NRI-SPONSORED CATEGORY (15% of INTAKE)

BRANCH	FIRST ADMISSION		LAST ADMISSION	
	ITNU MERIT No	JEE(MAIN)-2021 ALL INDIA RANK (CRL)	ITNU MERIT No	JEE(MAIN)-2021 ALL INDIA RANK(CRL)
Computer Science and Engineering	21	27345	124	85874
Electronics and Communication Engineering	144	99250	791	729267
Mechanical Engineering	454	264464	679	507738
Chemical engineering	333	196206	532	335760
Civil Engineering	501	312083	-	-
Instrumentation and Control Engineering	-	-	-	-
Electrical Engineering	-	-	-	-

ACPC (GOVERNMENT OF GUJARAT) CATEGORY

BRANCH	OPEN CATEGORY		SC CATEGORY	
	FIRST ADMISSION	LAST ADMISSION	FIRST ADMISSION	LAST ADMISSION
Computer Science and Engineering	24	325	1833	3455
Electronics and Communication Engineering	497	1907	8638	13448
Mechanical Engineering	536	4553	12136	13877
Chemical engineering	88	4061	6249	8224
Civil Engineering	1193	9027	16258	21723
Instrumentation and Control Engineering	4662	7042	14933	-
Electrical Engineering	134	6913	12028	14651

BRANCH	ST CATEGORY		SEBC CATEGORY	
	FIRST ADMISSION	LAST ADMISSION	FIRST ADMISSION	LAST ADMISSION
Computer Science and Engineering	5882	27032	377	967
Electronics and Communication Engineering	-	-	2148	6834
Mechanical Engineering	34308	-	4721	11307
Chemical engineering	-	-	4064	13230
Civil Engineering	-	-	21749	24725
Instrumentation and Control Engineering	9407	30781	13380	22775
Electrical Engineering	15183	31934	8199	18225

MTECH-2021-2022

Branch	Sub-Branch	CUT-OFF			
		GATE		NON-GATE	
		First	Last	First	Last
Civil Engineering	CASAD	403	--	41	27
Computer Science and Engineering	CSE	588	381	52	19
	INS	357	-	53	13
	Data Science	431	357	52	42
EC Engineering	EMBEDDED	-	-	38	21
	VLSI	574	364	51	37
Mechanical Engineering	CAD/CAM	447	385		
	THERMAL				
Electrical Engineering	EPS	--	--	34/60	22/60

CUT-OFF MARKS (CMAT AIR RANK)

MCA -2021-22

Admission through ACPC (Online Round-1 & Round-2)

Branch	CMAT CUT-OFF (CMAT Score)		
	Category	First	Last
MCA_SEM-1	OPEN	3140	39610
	SEBC	9954	48777
	SC	31985	50520
	ST	38582	
	EWS	Nil	Nil

MCA Admission on Vacant seat: MCA Sem-1 Vacant seat (filled up: 07) at ITNU (Nirma University)

Branch	CMAT CUT-OFF (CMAT Score)		Total Admissions
	FIRST CMAT AIR Rank	LAST CMAT AIR Rank	
MCA_SEM-1	29605	34927	07
Total			07

Student Clubs in the Institute - Activities

- Association of Computer Engineering Students (ACES) conducted Teachers' day celebration on September 4, 2021. Faculty Members and students of the CSE department participated in this online event.
- ACES conducted a Poster Making competition on Engineers' Day September 16, 2021 with the theme "Engineer as an Artist".
- Association of MCA students (AMS) organised an event "Code Chasers" on August 21, 2021 through virtual mode.
- Association of MCA students (AMS) organised an event "Quizzy-Mind" on October 4, 2021 through online/offline mode. Quizzy-Mind was a quiz competition consisting of Quant, Logical Reasoning, Core CS and debugging.
- CSI student branch organised a session: Ask me Anything session on August 2, 2021. It was an interactive online session which was aimed to guide students regarding on and off campus placements and preparations for the same.
- CSI student branch organised a series of coding competitions - Vas-CODE-Gama 3, 4, 5, 6, 7 and 8 exclusively for second year students on August 14, 2021, August 28, 2021 and September 11, 2021, September 25, 2021, October 9, 2021 and October 23, 2021 respectively.
- ACES conducted website making competition during December 29-30, 2021.
- Association of Computer Engineering Students (ACES) organized "Book Drive" during August 19, 2021 to August 21, 2021. Books collected during this drive were donated to 'Granth' Library at Sathamba village of Aravalli district.
- Under the banner of Electronics and Communication Students' Organisation (ECO), EC Department organised a Sweet Distribution ceremony on October 26, 2021, for all its members on the occasion of Diwali and to wish them a prosperous New Year. Non-staff members from all the departments including hostels, garden labour, Shri Siddhivinayak, COSMOS security, and Sulabh, across the university and school, were invited for sweet distribution.
- The representatives of ISA Students' Chapter organised a series of webinars "Placement Preps" on April 04 to May 02, 2021. The series comprised of three webinars: Profile Building; Campus to Corporate and Soft-Skill Development. The keynote speaker for the webinars were Mr Rohan Garg, alumnus of IIM Calcutta and Nirma University, Ms Neha Chaudhary who is an NLP and access bars trainer and Mr Ahaan Malhotra who is the founder of Edudictive.

- ISA student chapter celebrated “Teacher’s Day” on September 4, 2021. Faculty interaction with students took place during the event.
- ISA student chapter organised online expert talk on “Into an engineer’s mind” - on the occasion of Engineer’s Day on September 15, 2021.
- ISA student chapter organised "ISA Next-Founder's Summit 21", on July 30, 2021 to August 10, 2021 - a platform for someone having a business idea in their mind to get a suitable team and incubator for the development of their product! A 54-hour full-fledged event filled with brainstorming, developing and learning experience to help in bringing ideas from thoughts to reality.
- ISA student chapter organised “Expert Talk on Design Thinking” on the occasion of Foundation Day Celebration on October 04, 2021. A webinar conducted for the students to enrich their Design Thinking Skills. In this webinar the keynote speaker was Mr. Sayantan Mukherjee who is a teacher, mentor, coach in the domain of innovation & entrepreneurship.
- ISA Students’ Chapter organised the ISA district 14 Felicitation ceremony on October 9, 2021. Event was graced by the presence of Dr. Anil Sahasrabudhe AICTE Chairman, and many esteemed ISA Professionals provided a good opportunity to network.
- ISA Students’ Chapter arranged a webinar on “scholarship opportunities” to provide guidance to students who have outstanding potential and academic achievement in fields related to automation on January 31, 2022.
- ISA Students’ Chapter organised a "National Level Seminar series on Industrial Internet of things”, an opportunity for students to learn about IIoT by eloquent speakers on March 4-5, 2022. It was a 2-day seminar including five erudite experts in the field. The series assimilated topics ranging from the Introduction of IIoT to the transformation that may be introduced by IIoT.
- ESSA the Electrical Engineering Students’ Association conducted a workshop on the topic of “Electric Vehicle” on April 10, 2021. The event was organised for the first year electrical students wherein they were made aware about the emergence of EV, how does an EV function, advantages and prospects of the same in the future.
- A group discussion and extempore was conducted by the Electrical Engineering Students’ Association (EESA) board, on April 29, 2021. The event was organised for the second and third-year electrical students, as when they go for their internship, placement and higher studies interview; they are aware about basic etiquette and rules of group discussion and extempore.
- The Electrical Engineering Student Association organised two days of Interactive Activities from July 22-23, 2021. The event was organised virtually and was attended by 220 participants that included faculties of EE Department, board of EESA, second-and third-year students.
- The Electrical Engineering Student Association organised a workshop of ‘Pro-CB’ on 18th September 18, 2021. The event was organised virtually and was attended by 53 participants that included faculties of EE Department, board of EESA, second-and third-year students.
- The Electrical Engineering Student Association organised a session on “Placement process, preparation and motivation of various examinations” on October 04, 2021. The event was held virtually and was attended by 220 participants that included board of EESA, Alumni of EE department and second-and third-year students.
- The Electrical Engineering Student Association organised a Drone Workshop at A block auditorium on March 08, 2022. The event was attended by 130 participants including faculties of EE Department, board of EESA, First, Second- and Third-year students.

Summary of Activities

1. Department Level Activities

Sr. No.	Name of the Club	Name of the Department	No of Activities
1	ECO	Electronics and Communication	12
2	IEI	Civil Engineering	08

3	ICI	Civil Engineering	04
4	OrCES	Civil Engineering	03
5	IGBC	Civil Engineering	03
6	CSI	Computer Science and Engg.	16
7	ACES	Computer Science and Engg.	09
8	AMS	MCA	04
9	Infocrats	Computer Science and Engg.	
10	MESA	Mechanical Engineering	06
11	ChESA	Chemical Engineering	04
12	EESA	Electrical Engineering	06

Department Activities

Organisation of Civil Engineering Students (OrCES)

- The Students' Organisation of Civil Engineering students (OrCES) and IGBC Students's Chapter, SoE, ITNU organised various activities: Expert Lecture, Quiz Competition, Poster Making Competition, Plantation Drive to celebrate "World Environment Day" with the theme of "Ecosystem Restoration" on June 05, 2021. The expert lecture was conducted by Mr. Snehal Jariwala, Environment Head, Adani Port and SEZ who delivered lecture on "Role of Plastic Waste Management in Ecosystem Restoration".
- The Organisation of Civil Engineering Students organised Nirman'21. Nirman is the annual flagship technical event of OrCES consisting of technical and non-technical events related to Civil Engineering. Students from all over India participate in it. Nirman'21 was held during October 22-24, 2021 with the theme "Green Revolution". It featured technical events like Tech Trio, Technical Housie, Paper Presentation and non-technical events like Open Mic, Extempore and many more. Nirman'21 witnessed a total participation of 500 students from all around India in multiple events.
- To celebrate the 27th Foundation Day of Institute of Technology, Nirma University, SETU under OrCES initiated a food distribution drive for the needy families. Fund for this drive was collected by donation from faculties, students and board members of OrCES of Civil Engineering Department. Food packets were distributed to 51 needy families residing near Nirma University on 4th October, 2021.

IGBC Students' Chapter – Civil Engineering

- The IGBC Student Chapter, OrCES and Department of Civil Engineering arranged an online webinar on "Gujarat's Initiatives in Climate Change Adaptation and Mitigation" on September 27, 2021. The expert lecture was delivered by Mr. Shwetal Shah, Technical Advisor, Climate Change Department, Government of Gujarat.
- The IGBC Student Chapter and Department of Civil Engineering arranged an online webinar on "Building Services" from January 25, 2022 to January 27, 2022. The first session was conducted by Mr. Nimit Sheth, CEO and Managing Director, Ramana Safety Systems (I) Ltd., Ahmedabad on the title "Fire Safety in Buildings" on January 25, 2022. The second session was conducted by Mr. Bhavin Shah, Founder, SQVe Consultants, Ahmedabad on "Overview of MEP Services for Civil Engineers" on January 27, 2022.

Indian Concrete Institute Students Chapter

- ICI students chapter, Department of Civil engineering, and Dr. Fixit training institute organised a student development programme on "A Comprehensive Approach to Waterproofing and Repair of Buildings Structures" on June 19, June 26, and July 03, 2021. The programme focussed on the topics such as Good Construction Practices, Waterproofing Materials, Practices, and Repair Systems.

- The Indian Concrete Institute Student Chapter organised Quiz-O-Mania'21 – A State Level Quiz on the Occasion of Concrete Day i.e., on September 06, 2021. The event was organised for the undergraduate and postgraduate and professionals from civil engineering domain from all over Gujarat. Approximately 550 members participated in the online event which included students from more than 65 engineering colleges, Professionals and Industry experts. Mr Thakkar Dhruv from Civil Engg. Dept. ITNU was the top performer. Mr. Sagar Shah from CEPT University and Mr. Mihir Soni from Dharmsinh Desai University were the 2nd and 3rd runners up, respectively.
- ICI Students Chapter organised an Expert Webinar Session on Superpozz p500 Benefits for Concreting by Mr. Bankat Mandhanja (Director - Ashtech India Pvt Ltd.) and Mr. Bhushan Deshpande (Vice President -Marketing Ashtech India Pvt Ltd.) on October 19, 2021.

Institution of Engineers India Student chapter (IEI)

- Knowledge Sharing Session on "Graphic Designing" (Second session of the series) organised by IEI Students' Chapter - Civil Engineering Department on April 17, 2021. The session was conducted by Mr. Divyesh Ghelani (17BCL036), student of Sem. VIII, Civil Engineering Department.
- Knowledge Sharing Session on "Practical Applications to Promote Zero Waste Lifestyles" (Third session of this series) organised by IEI Students' Chapter - Civil Engineering Department on May 01, 2021. The session was conducted by Mr. Sahaj Patel (17BCL101), student of Sem. VIII, Civil Engineering Department.
- A Knowledge Sharing Session on "Vedic Math - A Magical Key to Fast Calculations" (Fourth session of this series) was organised by IEI Students' Chapter - Civil Engineering Department on July 24, 2021. The session was conducted by Mr. Bansil Korat (19BCL049), student of Sem. V, Civil Engineering Department.
- IEI Students' Chapter, Civil Engineering Department, in collaboration with The Institution of Engineers (India), Gujarat State Centre and Organisation of Civil Engineering Students (OrCES) organised state level technical quiz competition "Civista" for the Civil Engineering students of diploma and degree engineering colleges of the state of Gujarat on August 14, 2021. This event aimed towards providing a platform to budding engineers to showcase their technical knowledge of the different domains of Civil Engineering and to learn through competing with fellow students of various colleges. Certificates of Participation were provided to all the participants electronically through google forms, while winners were awarded with Certificate of Merit as well as cash prize.
- IEI Students' Chapter - Civil Engineering Department had organised a webinar on "Essentials of Startup and Business Development" on September 18, 2021 through online mode using webex platform. It was conducted by three expert speakers who are also an alumni member of Civil Engineering Department; Mr. Pranshu Jain, Director, PwC India, Ahmedabad, Mr. Sanil Bhatia, Founding leader - Pharmaceuticals Business, Udaan.com, Bangalore, India and Mr. Abhishek Gupte, Doctoral student, Leonard B. Stern School of Business, New York University, New York, USA.
- IEI Students' Chapter of Civil Engineering Department celebrated Teacher's Day on September 06, 2021. As a part of Teacher's Day celebration, a sapling and greeting card were given to all the faculty and staff members of the Civil Engineering Department as a token of gratitude and respect.
- Knowledge Sharing Session on "MATLAB - Accelerating the pace of Engineering" was organised by IEI Students' Chapter established at Civil Engineering Department on October 30, 2021. The session was conducted by Ms. Mauli Bhatt (18BCL008), student of Sem. VII, Civil Engineering Department.
- IEI Students' Chapter - Civil Engineering Department had organised a webinar on "Career Talks and Further Studies in US" on February 26, 2022 through online mode using webex platform. The webinar was conducted by five expert speakers who are also an alumni member of Civil Engineering department; Mr. Harnish Marwadi, Mr. Dhyey Bhavsar, Mr. Nishit Prajapati, Mr. Aagam Dalal, and Mr. Tej Desai.

Computer Science and Engineering -CSI

- CSI student branch organised an student-alumni meet on November 14, 2021 for first, second and third year students, where alumni Purvansh Shah, Ashay Nayak, Nandit Pujara and Priya Roy shared their experiences and the importance of competitive programming and inspired the students.

ACES

- Under senior Junior Interaction with Mr. Hamza Abubakar on April 29, 2021. 70 students of CSE department participated in this introductory session on Google Cloud Facilitator Programme.
- Under event Placement Matrix a season was conducted by Mr. Ashish Lal, Ms. Sulbha Garg, Mr. Vaibhav Thakor, Mr. Arham, Mr. Doshim Chelsy Doshi. They interacted with 120 students of the department. The event was conducted on June 05, 2021 to educate the students about how to crack interviews or internships for placements.
- Book Donation drive was conducted during August 08-21, 2021. The books were donated to Sathamba village library.

AMS (Association of MCA Students)

- Association of MCA Students (AMS) organized “Apti-Brain”: Quiz competition based on quantitative fundamentals, Logical reasoning etc in online mode on April 24, 2021. 150 students participated in this event.
- Association of MCA Students (AMS) organised “Placement Information Session” in online mode on June 04, 2021. The session was attended by 115 students of MCA.

Electronic and Communication (ECO)

- The Electronics and Communication Students' Organisation organised a webinar on the topic 'Embedded systems and Internet of things' on June 11, 2021. The speaker of the session was Mr. Khushal Vishnu Nesarkar (Embedded systems engineer).
- The Electronics and Communication students' organisation organised KHOJ, an array of open online competitions on July 01-22, 2021. The categories include painting, photography, articles, poetry, and short stories.
- The Department of Electronics and Communication Engineering organised a lecture series on “Computer Vision, Machine Learning and Robotics” during June-July, 2021. Dr. Samarth Brahmhatt, Post-Doc in the Intel Intelligent Systems Lab, USA, and alumnus of Nirma University conducted six sessions on the given topic.
- The Electronics and Communication Students' Organisation (ECO) organised an alumni interactive session for the students of Semester-VII EC on September 21, 2021. The alumni placed in the core companies interacted with the present students. Various issues like important subjects for the placements, important topics for the placement, Core companies and their profiles for the EC branch, requirements of coding skills, the impact of co-curricular and extra-curricular activities in placement, designing the resume, importance of the minor and major project, off-campus applications, etc. were discussed at length in the interaction.
- A mock interview session and interaction with corporate interviewers was arranged on October 02, 2021 by ECO. Alumni members of EC departments provided their services for the same. Questions were asked from Basic Electronics, Digital Electronics, C Programming, Embedded Systems, VLSI Design, Analog Circuits, etc. Also, detailed feedback was given after the interview, and students were explained what was good in the interview and also guided about weak points that students had, and where they need to improve.
- The Electronics and Communication Students' Organisation (ECO) organised a 'Session on Study Abroad' on October 09, 2021. A total of 114 students from various branches participated in the session.
- The Electronics and Communication Students' Organisation organised an online Chess Tournament, 'Rook N' Roll – The Saga of 64 Squares' on October 09, 2021. Total of 38 participants played in the tournament across all batches of ITNU. The players competed in the Swiss format

where the number of rounds was 8 and the Time control for each player was 5 minutes + 2 seconds increment.

- The Electronics and Communication Students' Organisation (ECO) organised a Sweet Distribution ceremony on October 26, 2021, for all its non-staff working members on the occasion of Diwali and to wish them a prosperous New Year.
- The Electronics and Communication Students' Organisation organised 'YUVision-Imagination Beyond Bandwidth' on the occasion of National Youth Day on January 12, 2022. In this event, a cluster of online competitions namely Article Writing, Poster Making, Poetry Writing and Comic Writing were organised. The participants had to select a topic related to the theme - "INDIA 2030" and prepare an article, poster, comic, or poetry on their visualization of India in 2030 and how it may be achieved.
- The Electronics and Communication Students' Organisation organised an offline Treasure Hunt competition, "Campus Voyage" on March 22, 2022 for all the first-year students. Over 200 students from across all the branches of the institute participated in the event.
- The Electronics and Communication Students' Organisation organised an online event named "Placement Mantras" over four days from March 19-27, 2022.
- The Electronics and Communication Students' Organisation organised an online technical event named 'Product Teardown' on the occasion of the 27th Foundation Day of the Institute of Technology on October 03, 2021. As part of this competition, participants were given a sample presentation alongside their products (topic) to tear down and guidelines for the event. In their presentation, brief descriptions of their products were given, and they were given 24 hours to prepare a presentation on the said topic. They had to suggest layer by layer product breakdown of their product and suggest improvements and what all changes they could do in each layer to make the product more efficient and cost-effective.
- The Electronics and Communication Students' Organisation organised 'Scribble & Scratch' on the occasion of 27th Foundation Day of Institute of Technology, on October 04, 2021. There were more than 50 registrations received from various disciplines and semesters.

Mechanical Engineering Student Association (MESA)

- An e-conference on Recent Innovations in Mechanical Engineering – RIME 2021 during July 24 – 25, 2021 was organised for the engineering students of the country and abroad. The basic objective of the conference is encouraging technology, scientific thinking as well as to apprise students regarding the recent innovations in the domain of mechanical engineering. The event also aims to encourage students to pursue research and realize its importance towards the advancement in technology as well as a major milestone in ones' career.
- To celebrate Engineers Day on September 15, 2021, MESA organised an interactive session with alumni Mr. Aakash Agrawal, owner of Ctrl P Hub and founder of Textile Duniya. He is an ex member of MESA and Team ROBOCON.
- A career guidance webinar was conducted for students of final and pre-final years on August 25, 2021 through the online platform in collaboration with EXERGIC (India's leader in GATE Mechanical preparation).
- A Group Discussion competition was organised on January 29, 2022. The aim of the event was to motivate the students of Mechanical Engineering and prepare them for such activities which are helpful to them in their placements.

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

- The Entrepreneurship Cell organized Advait – The Bizopedia event on April 25, 2021. It consisted of two rounds- preliminary and finals. Eight participants qualified from the prelims and two winners were declared.
- The Entrepreneurship Cell organised the National level event "Reverse Brainstorming" on August 20, 2021. The event was open to all college students pan India, who had to participate in a team of 3-5 members. A total of 48 teams from various colleges in India participated in the event.

- The Entrepreneurship Cell organised a two-day design thinking boot camp for the students to learn the essentials of design thinking and encourage them to think outside the box and innovate. The two-day event was held on October 09-10, 2021 by Mr. Karmjitsinh Bihola. During the boot camp, the students learned about hands-on building an empathic approach to daily life problems and building creative confidence through simple and fun exercises.

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-up with depression, examination stress, personal problems etc.

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. 108.55 % of B Tech eligible/appeared students and 86.07 % of PG (M Tech+ MCA) eligible/appeared students of 2022 batch passing out students from Institute of Technology, Nirma University have bagged lucrative offers from reputed recruiters.

203 Companies have already participated in the current batch placement process. So far the highest pay offered to the 2021-22 batch is Rs.88.20 lakhs per annum (UG) and is Rs.22.47 lakhs per annum (PG (M Tech+ MCA)). Average package offered this year is Rs.8.01 lakh per annum (UG) and Rs.5.98 lakh per annum (PG (M Tech+ MCA)). Organisations that visited the campus are from diverse profiles like, Automobile, BFSI, Chemical, Consulting, Design & Development, EdTech, Electronics, Engineering, Engineering FinTech, ITES, Manufacturing, Oil & Gas, Renewable Energy, Research Development, Telecom.

Under Graduate-* UG -2022 Pass-out

Branch	Total Number of Students Registered 2021-22	Total Number of Students Appeared 2021-22	Total Number of Students Placed (With Multiple Offers) 2021-22	% of Placement 2021-2022	% of Placement 2021-2022
				(Based On Registered Students)	(Based On Appeared Students)
Civil Engineering	83	57	39	46.99	68.42
Chemical Engineering	65	58	47	72.31	81.03
Mechanical Engineering	130	128	143	110.00	111.72
Electrical Engineering	127	118	114	89.76	96.61
Electronics & Communication Engineering	121	120	120	99.17	100.00
Instrumentation Control Engineering	58	53	59	101.72	111.32
Information Technology	N.A.	N.A.	N.A.	N.A.	N.A.
Computer Engineering	276	273	354	128.26	129.67
* Total	860	807	876	101.86	108.55

Post Graduate - *PG - 2022 Pass-out

Branch	Total Number of Students Registered 2020-2021	Total Number of Students Appeared 2020-21	Total Number of Students Placed (With Multiple Offers) 2020-21	% of Placement 2020-2021	% of Placement 2020-21
				(Based On Registered Students)	(Based On Appeared Students)
MCA	136	132	138	101.47	104.55
M. Tech.-CAD /CAM	18	12	5	27.78	41.67
M. Tech.-CASAD	18	12	4	22.22	33.33
M. Tech.-CSE	18	13	10	55.56	76.92
M. Tech.-Data Science	18	12	7	38.89	58.33
M. Tech.-Embedded	18	12	13	72.22	108.33
M. Tech.-INS	18	13	2	11.11	15.38
M. Tech.-Power System	16	13	9	56.25	69.23
M. Tech.-Thermal	13	13	6	46.15	46.15
M. Tech.-VLSI	18	12	16	88.89	133.33
* Total	291	244	210	72.16	86.07

Sports-activities organised during the year 2021-22

Sr. No.	Event	Date	Organising Club/Inst./ Committee	Level of Event (Institute/ University/ Inter-University/ State/National/ International)	No. of student participants		Name of Faculty Involved
					M	F	
1.	Fresher's cup 2021	21 October-26 October 2021	Institute of Technology	B.Tech 2 yr	150	22	Dr. Amita Chaudhary
2.	Inter University Volleyball	Dec 18-22, 2021	AIU, Rani Durgavati Vishwavidhyalaya Jabalpur(MP)	National-Level	06	0	Dr. Ranjan Datt
3.	Inter branch Chess competition	02 January, 2022	Institute of Technology	Institute-level	130	29	Dr. Amita Chaudhary

Alumni Association Activities Supporting Students

Annual General Meeting

22nd AGM of NITAA was held on January 01, 2022 in online mode. The AGM was presided by Dr. R. N. Patel (President, NITAA) and Dr. N. P. Gajjar (Sr. Vice president-NITAA).

The important activities conducted during the meet are as under:

- Dr. R. N. Patel, President, NITAA, addressed the gathering and briefed about various activities and achievements of the Institute during the year. He also motivated the alumni members to provide valuable suggestions/feedback/inputs to build strong alumni bonds.
- Dr. Sanjay Jain, Joint Secretary presented the Annual report of NITAA for the year 2021 which

highlighted the alumni activities carried out throughout the year like Alumni Expert Lectures, Workshops and Seminars by alumni, visits of alumni industries, the role of alumni in academics, etc. He further requested the alumni to join AlmaConnect and NITAA Facebook page to increase alumni reach to a larger extent.

- Dr. Sanjay Jain announced the name of the alumni who were honored as the best alumni of the respective department. All NITAA Awardees also appreciated the efforts of team NITAA.
- Dr. Tejas Joshi, Treasurer, NITAA presented the accounts of the financial year 2020-21. The financial statement was approved by the members present in AGM. The members also approved the Auditor for the audit of NITAA accounts.
- Alumni members who attended AGM gave inputs and feedbacks for organising Alumni-related activities. The meeting ended with a vote of thanks to all NITAA members by Dr. Tejas Joshi.

NITAA Awards

Dept.	Name of the Alumni Awardee	Degree obtained from Nirma University	Name of Organisation	Remarks
CH	Mr. Karan Shah	B.Tech (CH) 2010	Partner, Krishna Enterprise	<ul style="list-style-type: none"> • Active member of Dartmouth alumni council and Co-director for admissions ambassador programme for the college for the India region. • Have given several guest lectures on various topics such as entrepreneurship and importance of management in Engineering and foreign education at NU.
CL	Mr. Anushrav Chetan Bhatt	B.Tech. (Civil) 2004	Proprietor & Founder, Nirantar Development Planning and Management, Chartered Engineer, Govt. approved Valuer and Arbitrator	<ul style="list-style-type: none"> • Honorary Published @ 80 Articles In Leading Newspapers which includes <ol style="list-style-type: none"> a. Current housing market scenario (Built India Magazine) b. Simplification of NA Permission by State Govt. • Registrations & Memberships with 11 Govt. & Professional Bodies • Served as technical expert at NU, CEPT, Anant National University etc.
CE	Mr. Jimish Parekh	B.Tech. (CE) 2014	Founder & CEO, Pedals Up Innovations LLP	<ul style="list-style-type: none"> • Mentored students via Google cloud community as well as Pydata community • Contribution in LWM (Living Water Museum). • Hired NU students for IoT startup "Oizom"
EC	Mr Samarth Manoj Brahmhbhatt	B.Tech (EC) 2012	Postdoc Researcher, Intel Corporation	<ul style="list-style-type: none"> • Delivered 6 lecture series on computer vision, machine learning, and robotics at NU • Led an effort to start an alumni-sponsored robotics lab at Nirma with

				alumni contributing money to purchase robots and computers.
EE	Mr. Aalok Bhatt	B.Tech. (EE) 2010 MS, Technical University of Darmstadt, Germany	Product Marketing Engineer, Littelfuse Semiconductor Business Unit Organization, Germany	<ul style="list-style-type: none"> Academic Gold medal in B.Tech. EE. Best student award-2010. Participation in environmental awareness programme “Treewalk”. Volunteering in feeding India movement. Delivered various expert talks at NU.
EI	Mr. Nirmal Parikh	B.E (IC) 2009 MBA, Stanford University	CEO & Founder, Apna	<ul style="list-style-type: none"> Worked as Director of Data Analytics, Intel and Apple, iPhone Ops Contributing as Social-preneur and solving problems of unemployment, poverty and education in India
IT	Ms. Rachana Jadeja	B.Tech. (IT) 2012	Major, Indian Army	<ul style="list-style-type: none"> Involved in firing of Iгла missile testing round and got a badge for same. Closely working with ISRO on Military projects Delivered many expert talks at NU.
MCA	Ms. Priti Patel	MCA 2014	President, Women Empowerment Academy, Aryodaya Charitable Trust and Shree Rajeshwar Seva Trust	<ul style="list-style-type: none"> Honoured with appreciation certificates International Women’s Day 2019, 2020, Republic Day 2016 Awarded for Highest Educated Girl in her village Got 8 certificates for Judo competitions, 8 in NCC, 1 in NSS, 5 for Karate and many more.
ME	Mr Hardik Kumar Kothadia	M Tech (Thermal) 2011 PhD, IIT Bombay	Assistant Professor, IIT Jodhpur	<ul style="list-style-type: none"> National Award for Best M.Tech. Thesis from ISTE in 2011 Award for Excellence in Thesis Work from IIT Bombay in 2018 Teaching Excellence Award – IIT Jodhpur in 2021 He is involved as PI and Co-PI in different research projects sponsored by DST, DRDO, ISRO, Thermax, IIT Jodhpur etc. worth Rs 857 lakhs He has published 15 Journal Papers and 23 conference papers

NITAA Scholarship

Renewal of NITAA Scholarship for 2nd, 3rd and 4th Year Students

Sr. No.	Name	Roll No	PPI
1	Vivek Rupda	20BEE130	7.34
2	Achari Sanskruti Manishkumar	20BEE004	8.27

3	Dishank Garg	20BEC030	8.42
4	Kaushal Desai	20BCE123	8.21
5	Prit Chaudhari	20BCL023	6.93
6	Begda Kaushikkumar Ratilal	20bcl014	6.45
7	Aum Maheshkumar Chavda	20bme012	7.87
8	Patel Preyash Bhikhubhai	20bme087	7.73
9	Jiten Valmik	19bme047	9.03
10	Aakarshak Suresh Nandwani	19bec001	9.00
11	Utsav Patel	19bce200	8.08
12	Devanshi Goel	19bce067	9.57
13	Priyal Palkhiwala	19bce214	8.64
14	Anadkat Harmit Nileshkumar	19bee009	8.68
15	Helly Mehul Champaneri	18bec038	8.12
16	Keyurkumar S Patel	18bch027	8.08
17	Shivoham Rajkumar Goel	18bme037	8.92
18	Rajatkumar Patel	18bce191	8.68
19	Umesh Sitaram Jangid	19MCA007	10

NITAA Activities at Department level

Department	Type of activity	Date	Brief of the activity
Computer Science and Engineering	Expert talk	September 4, 2021	Mr. Shivam Patel, conducted an expert talk on “OpenCV-Understanding usage and significance” on September 4, 2021 for all students of B.Tech. CSE MBA of Trimester 4.
	Expert talk	September 13, 2021	Mr Smit Ghelani, business owner of Shree Dhan Laxmi Chemicals and Shree Bhavani Iodates, Ahmedabad conducted a session for the students of BTech 3rd Semester CSE. The talk was on “Building Your Attitude For Corporate World”. Mr Smit discussed about various career opportunities and also discuss about what skills a computer engineer should have to have better career in corporate world.
	Expert talk	September 16, 2021	Ms Rachana Jadeja, a 2012 pass-out alumnus of IT branch, serving as Major in the Indian Army since 2014 gave a talk on “Armed Forces as a Career Option” on September 16, 2021 for the students of BTech 5th Semester CSE.
	Expert talk	October 08, 2021	Ms Shobhita Agrawal, 2012 pass-out alumnus of IT branch, and currently working as a Principal Engineer at Twilio, Bangalore conducted a session on “Different Career Paths in Computer Science” for the students of BTech 3rd Semester CSE on October 8, 2021.
	Online interaction	January 01, 2022	An online interaction of final year B.Tech., M.Tech. and MCA students with alumni was organised on January 01, 2022. The interaction included how to

			prepare for interviews, what are the industry thrust areas for research, and more. Alumni resource persons included, Mr. Achal Shah, Ms. Rishita Anubhai, Mr. Ankit Shah, Mr. Jimish Pariekh, Mr. Shivang Trivedi, Ms. Kinjal Rathodms, Rachna Jadeja, and Mr. Jitendra Gadhvi
	Online expert session series		An online expert session series “Industry Linked Faculties” was organised in February 2022 for the CSE and all the interested faculties and M.Tech students who aspire to join academics as a career. The details of sessions conducted under this series are as follows:
		February 05, 2022	Mr. Piyush Bhan Senior Vice President Growth and International Expansion, Salucro Healthcare Solutions
		February 05, 2022	Mr. Jimish Parikh Founder and CEO of Pedals Up
		February 19, 2022	Mr. Achal Shah Software Engineer, Tecton, USA
		February 19, 2022	Mr. Vaishwik Nakashi Systems Software Engineer Electronic Arts (EA)
	Expert talk	February 26, 2022	Ms. Kinjal Rathod, a 2020 pass-out alumnus of MTech (INS) and currently working as Software Development Engineer at Oracle India, Bangalore, interacted with the MTech 2nd Semester (INS, CSE, DS) and MCA students and gave insights on various opportunities.
	Expert talk	March 03, 2022	"NLP API voice bots role in industries" by Mr. Jimish Parikh (CEO Pedals up) to provide a glimpse of practically useful applications of NLP in industry for PG students of the department.
Chemical Engineering	Expert session	July 22, 2021	Ms. Keshu Lakhotia (Batch 2010-2014) pursuing Masters in Food Technology, Wageningen University & Research held a session on “How CORE remained my core” for UG students. She shared her experience for working in the field for 7 years. She talked about subjects like Chemistry, Unit Operations, Process Optimization, etc. and explained these subjects in detail from professional point of view by sharing her experiences.

Expert session	July 23, 2021	Mr. Karan Shah (Batch 2006-2010) Partner at Krishna Enterprise, Ahmedabad held a session on “Position yourself for a top job” with UG students. He discussed about the skill set must for a chemical engineer and what are the ways you can enter in career other than chemical engineer. He encouraged students to take advantage of the online courses available on Coursera, Udemy and other platforms. He discussed the importance of soft skills like communication, teamwork etc. Also he shared about the exams like GRE, GMAT and CAT.
Expert session	July 31, 2021	Mr. Vinay Nayar (Batch 2004-2008) held a session on “Transition from campus to corporate life”. He is currently working as a Sr. Manager - Sales & Marketing at ThyssenKrupp, Pune.
Expert session	August 27, 2021	Mr. Hardish Patel, alumnus of 2005-2009, held a session on “Preparing for what’s next” He is working as a Head of Product Management at Transport Exchange Group, Luton, England, United Kingdom.
Expert session	October 19, 2021	Mr. Nikunj Patel (Batch 2016-2020), working at Thermex Limited, conducted a session where he shared his experience at Thermex and on safety in chemical industries with the undergraduate students.
Expert session	October 25, 2021	Mr. Himanshu Bhutia, 2012-2016 batch alumnus, Environment Incharge, Aarti Industries Limited conducted a session on October 25, 2021 on “Water Management and Industrial Wastewater Treatment” which helped the students to understand the importance of water management in the industries and why industrial wastewater needs to be treated.
Expert session	January 01, 2022	Mr. Karan Shah (Batch 2006-2010) held a session on “Career Counseling” for undergraduate students. He is working as a partner in Krishna Enterprise.
Expert session	January 06, 2022	Ms. Mudra Shah (Batch 2007-2011) held a session on “Bridging the gap” for 4 th and 6 th semester undergraduate students. She is working as an Operation Engineer at Reliance Industries
Expert session	January 12, 2022	Mr. Aakash Gandhi, alumnus of Chemical department held a session on “Managing Innovations” for 4 th and 6 th semester undergraduate students. He is currently

			working as an Assistant Manager in Technical Cell for Rallis India Limited.
	Interactive session	February 22, 2022	Ms. Nishtha Pande (Batch 2005-2009), shared her experience on the topic “Plant experience and application in the global team” with the UG students. She is working in Shell & Technology Center, Bengaluru.
	Interactive session	March 7, 2022	Ms. Viraj Baxi (2008-2012), working as Strategy Manager- Reliance Retail, Mumbai, interacted with the UG students on the topic “Navigating the transition from Campus to Corporate”.
	Invited talk	March 11, 2022	Ms. Mansi Chaubal, 2009-2013 batch alumna shared her experience on CNT Hybrids for Printed Electronics Application. She is working as Senior Product Development Manager, CHASM Advanced Materials, Canton, MA.
Civil Engineering	Expert lecture	September 04, 2021, September 18, 2021 and September 24, 2021	Dr. Jinal Parikh, Assistant Professor, Ahmedabad University delivered expert lecture series on quality management for semester VII students.
	Expert talk	September 18, 2021	Mr. Pranshu Jain, Director, PwC India, Ahmedabad, Mr. Sanil Bhatia, Founding leader - Pharmaceuticals Business, Udaan.com, Bangalore, and Mr. Abhishek Gupte, Doctoral student, Leonard B. Stern School of Business, New York University, USA delivered expert talks on “Essentials of Start-up and Business Development” on September 18, 2021.
	Expert lecture series	January 11 to February 01, 2022	Expert lectures on Plumbing services for semester IV students by Ms. Megha Bhatt were conducted for the course of Building System Safety and Services. Ms. Bhatt is the Principal Associate, Electra Techno Consultant & Associates-MEPF Consultant, Ahmedabad.
	Expert lecture series	January 13 to February 03, 2022	Mr. Vivek Ganatra conducted four online session expert lectures on Building Automation for semester IV students for the course of Building System Safety and Services. Mr. Ganatra is working as Manager Techo Commercial- Adani Ports.
	Alumni Interaction	January 22, 2022	Mr. Malav Doshi (Project Engineer, Smoot Construction Company, Washington DC), Mr. Aum Karkar (Management Trainee, Shapoorji Pallonji), Miss Nancy Agrawal (Project Management Intern, Columbia University), Mr. Purva Raichur (Project

			Controls Engineer, Jacobs, US), Mr. Krishna Desai (Associate Contracts manager, Hitachi Rail STS), Dhruv Patel (Construction Management Professional, NICMAR), Heena Agarwal (Estimator, Brycon) were called for the meeting for the discussion and feedback on Syllabus of M Tech CPM .
	Expert Lecture	August 06, 2021	Ms. Prutha Patel, an Alumni of Civil Engineering Department, and IGBC accredited professional delivered an expert lecture on “Introduction to IGBC” for semester V students for the subject of Sustainable Building Technologies.
Electronics & Communication Engineering	Expert lecture	April 06, 2021	Serial Peripheral Interface (SPI) Bus Protocol by Mr. Aniruddha Kanhare, Software development Engineer at Amazon Web Services (AWS), for B.Tech. Semester VI (2ECDE60 – ES).
	Lecture series	June-July 2021	A lecture series on “Computer Vision, Machine Learning and Robotics” by Dr. Samarth Brahmhatt, Post-Doc in the Intel Intelligent Systems Lab, USA.
	Expert session	April 16, 2021	Session on Academic Research as a Career Path by Mr. Khushi Vyas, Research Associate, The Hamlyn Centre for Robotic Surgery, Imperial College of London.
	Expert session	April 17, 2021	A session on Higher Studies in India & Competitive Exams by Mr. Rohan Garg, Founder - ICE Gate Institute, & Founder - Gateflix.in. He also discussed on Orthodox career paths, Higher education after engineering, choosing an option of higher study MBA or GATE/Research, Eligibility and options for higher studies in India.
	Expert lecture	September 21, 2022	Expert Lecture by Mr. Vishal Mehta, Er. DevCompute, NVIDIA, Zurich, Switzerland held on "GPU Architecture and Applications" for B.Tech in EC Sem VII students of 2ECDE10 Modern Processor Architecture department elective course.
	Expert session	September 20, 2021	Ms. Shweta Singh (Batch 2012), Product Manager -Schneider Electric, Noida, working on Energy management systems using IoT conducted a session for the students of B.Tech (EC) Sem-VII students having Internet of Things subject as a department elective. The topic of her talk was “IoT applications in Energy sector”.
	Electrical Engineering	Interactive Session	April 17, 2021

			interacted with female students of BTech (EE-Sem. IV, VI and VIII) on the topic “Your role in creating a sustainable future”.
	Interactive Session	July 22, 2021	Mr. Yash Bhatt, Director, Evotar Technologies Pvt. Ltd., Ahmedabad interacted with students of BTech (EE-Sem. III, V and VII) on the topic “Solar Technology and Installation”.
	Interactive Session	July 23, 2021	Mr. Arun Rajawat, Operations Officer - Aviation, HPCL and Mr. Dhaval Patel, ONGC, Mehsana interacted with students of BTech (EE-Sem. III, V and VII) on the topic “Job opportunities in PSU”.
	Interactive Session	July 23, 2021	Mr. Dhrumil Dafatary, Mr. Punit Rajwani, Mr. Aayush Swami, Mr. Drupad Patidar, and Mr. Ravi Kakaiya interacted with students of BTech (EE-Sem. III, V and VII). The topic of interaction was “Job opportunities in PSU”.
	Interactive Session	August 03, 2021	Mr. Suwarn Pant, Head Product Planning – Electric Vehicles, Tata Motors interacted with students of BTech (EE-Sem. V and VII) on Trends in “Electric Vehicle Technology”.
	Interactive Session	August 08, 2021	Mr. Husen Kapasi, Engagement Manager – Blockchain and Digital Transformation, PwC Deutschland interacted with students of BTech (EE-Sem. V and VII) on “Introduction to Blockchain”.
	Interactive Session	March 23, 2022	Mr. Lay Vakil, Jr. Associate – Brand Solutions, Only Much Louder interacted with students of BTech (EE-Sem. IV) on “Navigating your career journey”.
Electronics and Instrumentation Engineering	Expert lecture	April 09, 2021	Mr. Ravi Gandhi (B.Tech, M.Tech and Ph.D. from IC department), Senior GATE Faculty, Vision GATE Institute conducted a session on “Research opportunities for IC engineers” for B.Tech II semester students.
	Expert talk	July 23, 2021	Mr. Vatsal Kanabar delivered an expert talk on Internships and Career. He is working as a Regional Manager at ICICI Lombard.
	Expert session	July 23, 2021	Mr. Tushar Lad, an alumnus of 1995 batch delivered an expert session on How to deal with stress and detoxification techniques of the brain on July 23, 2021. He is working as Sr. Programme Manager of Cybage software, Pune. He is also working with Heartfulness institute as a meditation trainer and practitioner for more than 17 years.

	Expert talk	January 06, 2022	Mr. Haard Mehta held an online talk about the higher study opportunities abroad specifically in the USA and Canada. He is pursuing his Masters in the USA.
	Expert talk	January 06, 2022	Mr. Ravi Gandhi, Visiting Professor, Silver Oak College of Engineering and Technology, Ahmedabad talked during the orientation programme of B.Tech IC on career opportunities for IC engineers.
Mechanical Engineering	Expert lecture	June 05, 2021	Dr Yash Shukla, Technical Director, CARBSE delivered the expert lecture on “Cooling Load Calculation” to the B.Tech 7th semester and M.Tech 3rd semester students.
	Expert lecture	July 23, 2021	During B.Tech first year orientation programme, Mr. Preet Mehta Maintenance Engineer delivered an expert lecture on “Importance of Soft Skills”.
	Interactive session	July 23, 2021	During B.Tech 3rd, 5th and 7th semester orientation programme, Mr Dhruv Patel Assistant Manager, Techno-Commercial and Mr Karna Patel Assistant Manager, Techno-Commercial shared their idea on “Step towards Start Up India”.
	Expert session	July 23, 2021	During B.Tech 3rd, 5th and 7th semester orientation programme, Mr Ravish Bhatt, IAS, Deputy commissioner of Income Tax, discussed his views on “Civil Services Examination - An Opportunity or a Challenge”.
	Expert lecture	September 15, 2021	Expert lecture on Engineer’s Day conducted by MESA by Mr. Aakash Agrawal, owner of Ctrl P Hub and founder of Textile Duniya.
	Expert lecture	November 11, 2021	Mr. Bonny Dave (Co-Founder, Trestle Labs) delivered expert lecture cum demonstration session of KIBO XS device (Listen, Translate, Digitize printed and handwritten texts, PenNPaper for Online Teaching).
	Expert talk	January 05, 2022	Mr. Dipen Patel, Technical Lead for Android CamaraX delivered an expert talk for B.Tech and M.Tech students on “Opportunities and challenges for higher education and jobs outside India.

Institute of Management

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Outstanding Achievements and Important Activities

Institute Ranking

The Institute of Management has established itself as one of the leading B-schools in the country. Success of the Institute is reflected in all the B-School surveys conducted by various leading business magazines, such as Business World, The Pioneer, Business Standard, etc. that has consistently rated the Institute among the top twenty B-schools in India. In the year 2021-2022, Institute of Management:

1. Ranked as 5th Best Private B-School pan India and also listed in the A1 category among the top 30 B-Schools in the country by Business Standard, published in February 2022.
2. Ranked 29th Best B-School pan India and 14th among Top Private B-Schools in India by Businessworld published in January 2022.
3. Ranked 28th Best B-School overall and 15th among Top Private B-Schools in India by The Week published in November 2021.
4. Ranked 20th Best Private B-School pan India and published in India Today in November 2021.
5. Ranked 6th best B-School among Top Private B-Schools in India by CSR-GHRDC B-School Survey and published in Competition Success Review, November, 2021.

Executive Diploma Award

This year, the Executive Diploma Award of 22nd Batch was awarded to 20 participants (19 in Operations Management and 1 in Marketing).

Inauguration of RAINBOW Centre

The RAINBOW Centre (Realising Aspirations, Interests, and Brilliance of Young Women) was inaugurated on Dec 10, 2021 at the Institute of Management, Nirma University. The centre has been co-funded by ERASMUS+ (European Union) with the objective of capacity building of women to empower them with enhanced skills and provide them career counselling. The objective of the Centre is to encourage young women from Indian universities to enter the labour force.

Conferences

NICOM-2022

25th Nirma International Conference on Management (NICOM 2022) was organised by Institute of Management during February 17 to 19, 2022. The central theme of the conference was “**Strategies for Architecting Sustainable Competitive Excellence: Reimagining the Future**” and the conference had seven major sub-themes as well.

In addition to the inauguration and valedictory sessions, there were two workshops and one plenary session focusing on the theme of the Conference. In total, 82 abstracts and 12 full papers were received out of which about 80 papers were presented in the concurrent tracks during the three days. A pre-

conference workshop on Basic Structural Equation Modelling by Dr. Vibhash Kumar, Associate Professor, Jindal Global Business School was also conducted.

The chief guest for the inaugural session of the conference was Mr. Shailesh Pathak, Head, Development Projects - Larsen & Toubro, Mumbai and Co-Head, FICCI National Committee on Infrastructure. Dr. Subir Verma, Director, Institute of Management, Nirma University delivered the welcome address. Shri K K Patel, Vice President, Nirma University congratulated the NICOM team for choosing such a relevant theme and believed that the theme would bring great learning to the researchers and presenters of the conference. Dr. Anup Singh, Director General, Nirma University, addressed the students and shared his views on contribution to society.

A plenary session with the theme “Sustainability and resilience in current business scenario” was delivered by Ms. Nitya Bhalla - Global Product Lead, Data Science, Nielsen IQ. Among others prominent speaker, Mr. Deepak Prajapati, Director and Regional Head, Care Ratings, also took one session. Mr. Anindo D. Burman, Ex AVP-HR, Maruti Suzuki delivered successful sessions in NICOM.

A workshop on “Bibliometric Analysis” was conducted by Prof. Dhaval Mehta, Professor, South Gujarat University. He demonstrated the application of R-project, R-studio and VOS viewer for conducting Bibliometric Analysis.

The keynote speaker for the valedictory ceremony was Prof. Manojkumar Tiwari, Director, National Institute of Industrial Engineering (NITIE), Mumbai.

ANVESH 2021: Doctoral Research Conference in Management

Institute of Management organised its 17th Annual Doctoral Conference in Management-ANVESH on 17th and 18th December, 2021 in online mode. Delegates from approximately 71 institutions from all across the country participated in this virtual conference. This year a Pre-Conference workshop was organised on 16th December, 2021 which was conducted by Dr. M.R. Dixit, Ex-Professor, Indian Institute of Management, Ahmedabad.

The two days of the conference involved eminent speakers from across the globe speaking on diverse topics ranging from ‘Building a research agenda for social research’ by Prof. Gazi Islam, Qualitative Research: Epistemological Foundations and Principal research Designs’ by Prof. Taran Patel to ‘Opportunities beyond Academia, Post PhD’, among others.

The inaugural ceremony was presided over by Dr. Rishiksha T. Krishnan, Director-IIM Bangalore and Dr. Bhimaraya Metri was the Chief Guest for the valedictory session. A Research Workshop on ‘Publishing Relevant and Contextualised Research: Manuscript Preparation and Review Process’ by Prof. Israr Qureshi was also part of the conference.

The conference received an over-whelming response with a total of 109 abstracts with over 67 full papers from across the country. This year, ANVESH collaborated with the South Asian Journal of Business Studies, a Scopus, Web of Science and ABDC indexed journal published by Emerald Publication. From the plethora of submissions, ten best papers will be a part of an upcoming Issue of this journal.

Conclaves

Utkrishta'21 – Management Conclave

Utkrishta, the management conclave of the Institute of Management was organised on Sep 17-18, 2021 on the theme 'Bounce Back India: Embedding Growth and Resilience'. The objective of the conclave was to acquaint the students with the ever-evolving cultures in the domains of IT, Marketing, Finance, Human Resources, Operations, Management Education and learning.

Four sub-themes have been identified under this umbrella of Bounce Back India.

1. Resilient Leadership and People Management
2. Rebooting Manufacturing in Technological Disruption
3. Business Model — A Catalyst for Marketing Competitiveness
4. Fintech - Fueling Financial Revolution

Inaugural session of the Conclave started with the Welcome Address by Dr. Subir Verma, Director and Dean, Institute of Management, Nirma University. The session continued with insights from Mr. Arup Sinha, Executive Director at Indian Oil Corporation, Northern Region.

The Plenary session 1, was graced by four panelists from the industry. Mr. Rajiv Arora, Senior VP-Adani Group, Mr. K S Bakshi, Group CHRO Of Interglobe Enterprises, Mr. Shravan Dullar, Director Of Hr, Darwinbox, and Vipul Singh, Dvp & Head of HR, ADP. In this session, discussion on theme 1 was spearheaded by the guests and session chair Prof. Rajwinder Kaur.

The Plenary session 2, was graced by three panelists from the industry. Mr. Rakesh Gandhi M.D. — Automotive Aftermarket Asia, Hitachi, Mr. Nikhil Agarwal Ceo Of First & C3i Hub, and Mr. Ramashankar Pandey MD — Hella India. In this session discussion on theme 2 was spearheaded by the guests and session chair Prof. Mahesh KC.

The Plenary session 3, was graced by four panelists from the industry. Mr. Snehanshu Gandhi Co— Founder Kaagaz Document Super App, Amit Didolkar, Director — Regional Sales, Citrix, Animesh Sinha, Chief Of Marketing Automotive & Special Products, Tata Steel, and Sanjay Mohta Vp & Head — International Business, Jubilant Foodworks Ltd. During this session, discussion on theme 3 was spearheaded by the guests and session chair Prof. Mayank Bhatia.

The Plenary session 4, was graced by three panelists from the industry. Dr. Jose, AVP - Esaf Small Finance Bank Ltd, Mr. Anirudh Baskaran Fintech At Google Cloud, and Mr. Sameer Parwani Dy. VP — Digital Banking And Transformation, Axis Bank. In the session discussion on theme 4 was spearheaded by the guests and session chair Prof. Aditya Sharma.

Pragaman 6.0 – The Entrepreneurship Conclave

Pragaman 6.0 2021, The Entrepreneurship Conclave of Institute of Management, Nirma University was organised 6th time in a row by SWAYAM - The Entrepreneurship Club of IMNU. The event was held on 26th November 2021 and the theme of the event was "Prodigious trails of Entrepreneurship".

The event was organised virtually on WebEx platform where 700 participants attended from all departments of Nirma University.

The event was inaugurated by Mr. Aditya Gadge Founder and CEO - Equalifi (SEBI , NITI AYOJ). This was followed by a session by Mr Anurag Asati (Co-founder Kabadiwala) and Padmashri Sanjeev Bikchandani (Co-founder InfoEdge, naukri.com, jeevansathi.com, 99acres.com, shiksha.com) and that was followed by a session by Arjun P Gupta (Founder and CEO, Smart Joules Pvt. Ltd. The last session was taken by- Anubhav Dubey (Founder, Chai Sutta Bar).

The event ended with Dr. Punit Saurabh, the faculty co-ordinator of SWAYAM- The Entrepreneurship Club of IMNU, delivering vote of thanks.

Aarohan 2021, the BBA Conclave

The seventh edition of Aarohan-2021 - The annual BBA conclave was organised by AdityaVat, the BBA co-curricular committee, from 06th & 07th January, 2022. It was inaugurated by Mr. Biren Gandhi; chief guest of the inaugural session, in presence of Dr. Anup Singh, Director General, Nirma University; Dr. Subir Verma, Director, Institute of Management, Nirma University; Dr. Hrudanand Misra, Additional Director, Institute of Management, Nirma University; Dr. Amola Bhatt and Dr. Dhyan Mehta, BBA programme chairpersons. Over these two days, 9 esteemed speakers shared their insights revolving around the theme “Aayansh - A Ray of Reviviscence, Reinvention, and ReBirth”. The inaugural address was delivered by Mr. Biren Gandhi, CEO, Speak to IoT.

The conclave was graced by Mr. Pradeep Krishnakumar - Co-Founder & COO of Zouk, Mr. Nakul Mehrotra -a leadership and career coach, Mr. Anurag Jain- ex-cofounder of Milkbasket.com, Mr Dean Furness - a data and analytics professional, a motivational speaker, Mr. Aditya Arora- CEO, Faad Network Pvt. Ltd, Ms. Mandeep Maitra - a Leadership, Transformation & Design Thinking Coach, Ms. Shweta Kothari, and Ms. Anooja Bashir.

Pratidhwani - The Alumni Conclave 2022

Pratidhwani-2022, the 9th Alumni Conclave was held on the theme “Envisioning the PhyGital Future” on 26th March, 2022. The term PhyGital (Physical+Digital) refers to a trend in which a physical experience is enhanced by a digital component – or vice versa. For a long time, the digital world has been slowly penetrating our physical lives.

The conclave began with speakers from the Finance panel with alumni, Mr. Saurav Gupta, Finance Controller, Capgemini, and Ms. Vidhya Iyer, Sr. Process Manager, eClerx. The HR panel consisted of Mr. Mitesh Manubarwala, General Manager - HR, A.P. Moller Maersk, and Mr. Vivek Rao, DGM – HR, Mahindra Group. This was followed by Marketing panel consisting of Ms. Sonika Gupta, NielsenIQ, and Mr. Sukhvinder Singh, Director, Singh Sports Ventures Pvt. Ltd. The IT panel consisted of Mr. Amit Toshniwal, Head of PMO, L&T Financial Services. Finally, on the Entrepreneurship panel, were Mr. Shalin Talajia, CEO – Founder, Grabenord and Healthy Gut.

I. Curricular Aspects

1. Following general elective courses of 3 credits each in MBA and MBA phase of Integrated BBA MBA Programme were introduced:

- FinTech and Omni Commerce
- Financial Markets, Institutions and Services
- Personal Finance and Taxation
- Marketing Research for Decision Making
- Digital Commerce and Social Media

- Cyber Security and Business Continuity
- Managing Business on Cloud
- Start up and new age business models
- Operational Analytics
- Project Planning and Execution
- Factory Management for Industry 4.0
- Logistics and Distribution System
- Managerial Skills for Effectiveness
- Public Speaking & Presentation Skills
- Design Thinking

2. Field work course I, Field work Course II and Fieldwork course III in Single course of 06 credits were merged. It will be offered term wise only.

3. Two new courses on Data Visualisation and Process Simulation were introduced in MBA Phase of Integrated BBA MBA Programme and MBA Programme.

4. Syllabus of various courses of Term VII to IX of Integrated BBA MBA Programme was updated.

5. Syllabus of Core courses of Term X to XII of MBA Phase of Integrated BBA MBA Programmes was updated. These courses are :

- Accounting for Managerial Decisions
- Advanced Marketing Management
- Corporate Finance
- Advanced Operations Management
- Advanced Strategic Management
- Advanced Human Resource Management & Employee Relations
- Advanced Research Methodology

II. TEACHING-LEARNING AND EVALUATION

No. of faculty pursuing Ph.D.: 02

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 a conducive environment for the same. These projects expose students to the current problems faced by the business organisation and seek solutions for the same. As a result, the employability of the students improves.

The list of live project done by MBA students during year 2021-22 are as under:

Sr. No.	Company Name	No of Participants	Project Title
1	Symphony Limited	7	Blog Writing on their Air Cooler Products to increase the outreach on digital platform

2	Brightcrop eProducts Pvt. Ltd.	16	Sales and marketing
3	StrategyCo.Global	10	Management Consulting Bootcamp
4	PlayWink	2	Tie-ups with local sports venues for onboarding their play arenas on Playwink Platform
5	Kraftshala	2	Digital Brand Marketing
6	Times Internet	10	HR Operations and Business Development
7	Finlatics	52	Financial Markets Experience Program (FMPEP)
8	Cosmos	8	Business Development Intern

Exam reforms implemented

The Institute follows the University norms related to examination reforms.

Number of Faculty Participated in National/International Conference based on the acceptance of research paper

Year	International Conference	National Conference
2021-22	13	10
2020-21	09	04

The list of national / International conference attended by faculty:

Sr. No.	Name of the Faculty	Date From	Date To	Organisation	Programme	Level National / International
1	Dr. Hardik Shah	09-Apr-21	09-Apr-21	Institute of Management Technology, Nagpur	Role of HR in the new normal 2021	International
2	Dr. Samik Shome	23-Apr-21	24-Apr-21	Indian Institute of Management, Bodh Gaya	1 st IIM Bodh Gaya Management Conference 2021 on Post COVID Management Strategies: Recovery, Resilience & Adaptation	National
3	Prof. Monali Chatterjee	23-Apr-21	24-Apr-21	Indian Institute of Management, Bodh Gaya	1 st IIM Bodh Gaya Management Conference 2021 on Post COVID Management Strategies: Recovery, Resilience & Adaptation	National
4	Prof. Monali Chatterjee	29-Jul-21	31-Jul-21	Birla Institute of Technology & Science, Pilani	International Conference on Best Innovative Teaching Strategies	International

5	Prof. Pradeep Kautish	26-Nov-21	27-Nov-21	Fore School of Management, New Delhi	Marketing in a Disrupted World	International
6	Prof. Azharuddin Shaikh	04-Oct-21	06-Oct-21	Pandit Deendayal Energy University (PDEU), Gandhinagar, Gujarat	Additive Manufacturing and Advanced Materials	International
7	Prof. Ritesh Patel	02-Dec-21	03-Dec-21	Rome, Italy	5 th Social Impact Investments International Conference 2021	International
8	Dr. Samik Shome	27-Dec-21	30-Dec-21	Indian Institute of Management Nagpur	ISDSI-Global 2021 Conference (Hybrid)	International
9	Dr. Pratham Parekh	26-Nov-21	26-Nov-21	K.S. School of Business Management & Information Technology, Gujarat University, Ahmedabad	National Conference on Contemporary Practices in Management & Information Technology-KSCON 2021(Online)	National
10	Dr. Subir Verma	19-Nov-21	19-Nov-21	IIC, New Delhi	To moderate the CEO panel discussion as member of the conference organising team on "Towards the Next Orbit: Leadership and Governance in Organisations of the Future"	National
11	Prof. Azharuddin Shaikh	21-Dec-21	22-Dec-21	SLIET Longowal, Punjab, India	The 4 th International Conference on Frontiers in Industrial and Applied Mathematics (Virtual Conference)	International
12	Dr. Pratham Parekh	29-Nov-21	30-Nov-21	Société Pour l'avancement des Arts, de la Science et de la Technologie (SPAST) Foundation	First International Conference on Technologies for Smart Green Connected Society 2021	International
13	Dr. Hrudanand Misra & Dr. Dhyani Mehta	27-Dec-21	29-Dec-21	Mohan Lal Sukhadia University, Udaipur, Rajasthan	104 th Annual Conference of the Indian Economic Association (IEA)	National

14	Prof. Rajwinder Kaur	27-Dec-21	30-Dec-21	Indian Institute of Management, Nagpur	ISDSI-Global 2021 Conference	International
15	Dr. Hrudanand Misra	04-Jan-22	06-Jan-22	Manipal University Jaipur, Rajasthan	103 rd Annual Conference of the Indian Economic Association (IEA)	National
16	Prof. Ritesh Patel	23-Dec-21	24-Dec-21	International Conference on Global Financial and Business Environment (ICGFBE 2021)	New Delhi Institute of Management (NDIM), New Delhi	International
17	Dr. Subir Verma	19-Dec-21	20-Dec-21	MDI, Gurgaon	11 th Indian Management Conclave 2021 (IMC)	National
18	Dr. Hardik Shah	28-Jan-22	29-Jan-22	Symbiosis Institute of Business Management (SIBM)	Behavior Science in Management (CBSM 2022)	International
19	Prof. Mayank Bhatia	02-Feb-22	05-Feb-22	Association of Management Development Institutions in South Asia (AMDISA)	Academic Writing for Management Faculty	International
20	Dr. Samik Shome	17-Feb-22	27-Feb-22	Ministry of Rural Development, Government of India	6 th Common Review Mission (CRM)	National
21	Dr. Pratham Parekh	23-Feb-22	25-Feb-22	Interdisciplinary Institute of Human Security & Governance, New Delhi	IIHSG International Conference 2022 on Human Security & Governance	International
22	Prof. Diljeetkaur Makhija	03,05,07,08 March, 2022		Indian Institute of Management, Calcutta	Case Method Workshop	National
23	Prof. Rajwinder Kaur	03,05,07,08 March, 2022		Indian Institute of Management, Calcutta	Case Method Workshop	National

Invited Guest Lectures in Various Courses

The guest sessions scheduled for MBA, MBA (FB & E), MBA(HRM) and Integrated BBA MBA (BBA Phase and MBA Phase) in Academic year 2021-22 are as follows:

Invited Guest Lectures

Sr No	Date	Topic of the lecture	Name of the Guest	Name of Organisation	Designation
1	05/07/2021	Performance Management	Ms. Suman Nair	Atiitya Training & HR Consultants Pvt. Ltd.	Managing Director
2	12/07/2021	International Relations & Strategic Alliances	Dr. Sitakanta Mishra	PDEU	Associate Professor
3	17/07/2021 & 28/08/2021	Bank Management	Mr. Taral Oza	ESS KAY Fincorp Ltd.	Zonal Head - Gujarat & Maharashtra
4	19/07/2021	Management Financial Services	Mr. Farookh Bharucha	RBL Bank Ltd.	Zonal Branch Operations Head
5	30/07/2021, 02/08 & 04/08	Recruitment & Selection	Mr. Ronesh Puri	Executive Access (India) Pvt. Ltd.	Managing Director
6	07/08/2021	Management Financial Services	Mr. Manak Desarda	Alliance Insurance Brokers Pvt. Ltd.	VP-Corporate Advisory Group
7	07/08/2021	ERP	Mr. Maneesh Kumar Sharma	Grant Thornton India LLP	Partner-ERP Advisory Practice Leader
8	07/08/2021	ERP	Mr. Ketan Parikh	Kalpataru Power Transmission Ltd.	CIO (VP IT)
9	07/08/2021	ERP	Mr. Raboti Sen Biswas	Silver Touch Technologies Ltd.	GM-CAP Enterprise Solutions
10	13/08/2021	Recruitment & Selection	Mr. Ranjit Khompi	Reliance Retail Ltd.	Head L&D (Additional VP)
11	14/08/2021	Management Financial Services	Mr. Nitesh Kumar Singh	Bajaj Finance	National Project Manager
12	14/08/2021	Retail Marketing	Mr. Anand Adukia	Future Group	CEO
13	14/08/2021	Integrated Marketing Communication	Mr. Ashok Abraham	Publicity Parlour	Media Head-Planning & Buying
14	14/08/2021	Retail Marketing	Mr. Amit Sharma	Mcare	Founder Director

15	20/08/2021	Recruitment & Selection	Mr. Vivek Rao	Ashok Leyland	Head-Business HR
16	21/08/2021	Performance Management	Mr. Ranjit Khompi	Reliance Retail Ltd.	Head L&D (Additional VP)
17	24/08/2021	Retail Marketing	Mr. Manish Shah	JCR Fashion Retail Pvt. Ltd.	CEO
18	26/08/2021	Integrated Marketing Communication	Mr. Pramit Kumar Ghosh	Cognito Innovo	Founder Director
19	26/08/2021	IPM	Dr. Jayanta Kumar Seal	Indian Institute of Foreign Trade	Professor
20	27/08/2021	IPM	Dr. Prasanna Chandra	Centre for Financial Management	Director
21	27/08/2021	International Relations & Strategic Alliances	Mr. Mahesh Sachdev	Indian Foreign Services, GOI (Retd.)	Ambassador (Retd.)
22	01/09/2021	International Relations & Strategic Alliances	Mr. Anil Trigunayat	Indian Foreign Services (Retd.)	Former Ambassador
23	01/09, 03/09, 06/09 & 08/09/2021	Predictive Analytics	Mr. Dhaval H. Popat	EXL Analytics	Project Manager
24	05/09/2021	IPM	Mr. Bhaumik Patel	Nothing Bundt Cakes, CA, USA	Business Analyst-Finance & Operations
25	06/09/2021	SCM	Mr. Ashish Negi	DHL-Supply Chain	Sr. Director-Service Logistics
26	07/09/2021	IPM	Mr. Mahesh Pandya	Bombay Stock Exchange	Senior Executive
27	07/09/2021	Sales & Distribution Management	Mr. Gaurav Bansal	Essential Soft Technologies Pvt. Ltd.	Sr. Business Development Manager
28	07/09/2021	Sales & Distribution Management	Mr. Manish Joshi	Zydus Wellness Ltd.	General Manager
29	08/09/2021	Consumer Behaviour	Mr. Suryakumar R Sharma	Gelco Electronics Pvt. Ltd.	Strategic Consultant

30	08/09/2021	Marketing Management I	Ms. Vibhuti Bhatt	One Advertising & Communication Services Ltd.	Director
31	09/09/2021	Management Financial Services	Mr. Swapnil Tiwari	Xceedance Consulting Pvt. Ltd. (Ex-Crisil)	AVP-Credit
32	11/09/2021	SCM	Mr. Michael Rada	IBCSD Lab-International Business Centre of Sustainable Development	CEO & Founder of concept Industry 5.0
33	11/09/2021	Management Financial Services	Mr. Subhodeep Niranjan Das	ICICI Prudential Asset Mgmt Co. Ltd.	Investment & Asset Manager
34	11/09/2021	SCM	Mr. Saugat Dutta	Dubai Port World (DP World)	General Manager-IT-DP World
35	13/09/2021	Retail Marketing	Ms. Aditi Garg	GfK	Sr. Manager - Client Servicing
36	14/09/2021	Sales & Distribution Management	Mr. Amit Dave	Ex. Zydus Wellness Ltd.	VP - Exports (Retd.)
37	14/09/2021	Sales & Distribution Management	Mr. Manish Mehta	Zydus Cadila (Cadila Healthcare Ltd)	General Manager
38	14/09/2021	Recruitment & Selection	Ms. Srishti Sharma	Bain & Company	Recruitment Specialist
39	15/09/2021	Recruitment & Selection	Mr. Deepak Gupta	Korn Ferry	Managing Director
40	16/09/2021	IMC	Ms. Vibhuti Bhatt	One Advertising & Communication Services Ltd.	Director
41	16/09/2021	Financial Statement Analysis	Mr. Rajesh Shah	Adani Group	Ex VP – Finance & Accounts
42	01/10/2021	Operations Management I	Mr. Alok Yadav	Ford Motor Company	Leader - Plant Quality
43	28/10/2021	Case Study of Entrepreneurs	Mr. Karan Dangayach	Shashwat Cleantech	Co-Founder & Managing Director
44	09/11/2021	Case Study of Entrepreneurs	Mr. Subrato Chakroborty	The Digital Fellow Academy	Founder Director

45	11/11/2021	Case Study of Entrepreneurs	Mr. Syed Nadeem Jafri	Hearty Mart	Founder & Chief Mentor
46	12/11/2021	Case Study of Entrepreneurs	Mr. Allan Rodrigues	The Uberlashies Dialogue	Founder
47	04/12/2021	MIS	Mr. Neil Harwani	Tech and Train	Director
48	09/12/2021	Technology Enabled Operations Management	Mr. Poussin Punnose	Annex Infotechnologies Pvt. Ltd.	Executive Director
49	10/12/2021	Digital Marketing	Mr. Anup Menon	LinkedIn	Account Director & Regional Head
50	11/12/2021	International Logistics	Mr. Ajay Saraswat	Iware Supply Chain Services Pvt. Ltd. (Inter India Group)	CEO
51	11/12/2021	International Logistics	Mr. Mandar Shirsavakar	Translytics Consulting	Founder & Principal
52	13/12/2021	HRM	Mr. Colin Mendes	Voltas Beko	Head – HR
53	14/12/2021	TEOM	Mr. Ankit Desai	Ernst & Young	Sr. Consultant
54	18/12/2021	Strategic Brand Management	Mr. Sanjay Chakraborty	ESSKSEE Consultancy	Founder & Chief Marketing Communication Advisor
55	21/12/2021	Digital Marketing	Mr. Pramit Ghosh	Cognitio Innovo	Founder
56	23/12/2021	Derivatives and Risk Management	Mr. Abid Husain Maredia	Adani Group	Dy. General Manager
57	27/12/2021	HRM	Mr. Bijal V. Shah	Sharad Industrial Products Pvt. Ltd.	Director
58	28/12/2021	Strategic Brand Management	Mr. Rikin Shah	Purple Phase Communication	Director
59	30/12/2021	Digital Consulting	Mr. Neil Harwani	Tech and Train	Director
60	30/12/2021	Services Marketing	Mr. Rituraj Saxena	Yes Bank	Gr. Executive Vice President
61	31/12/2021	HRM	Mr. Nisarg Nenuji	Intas Pharmaceuticals Ltd.	Legal Counsel

62	01/01/2022	Strategic Brand Management	Mr. Samanvay Sinha	Eicher Trucks and Buses	DGM-Brand & Communication
63	04/01/2022	Strategic Brand Management	Mr. Nilanjan Bhowmick	Oplifi	Director Business Development
64	21/01/2022	Corporate Finance II	Mr. Rajesh Shah	Adani Group	Ex VP – Finance & Accounts
65	28/02/2022	FMIS	Mr. Farookh Bharucha	RBL Bank Ltd.	Zonal Branch Operations Head
66	14/03/2022, 15/03/2022, 17/03/2022	Management Consulting	Mr. Chirag Dhebar	Tata Consultancy Services	Delivery Center Head - Retail UK & India
67	16/03/2022	Rural Marketing	Mr. Vaibhav Kathju	Mahila Money	Founder Team
68	15/03/2022, 16/03/2022, 17/03/2022, 19/03/2022	Customer Relationship Management	Mr. Ershad Ali Ayed	Innova Crop.	Management Consultant
69	22/03/2022, 23/03/2022	Strategic Management	Mr. Devang Patel	Vantage Point Consulting	Founder
70	24/03/2022	Financial Technologies	Mr. Sushanth Kodela	PlumHQ	Enterprise Sales Head
71	29/03/2022	International Business	Mr. Anat Bernstein Reich	BDO Israel-India Investment Banking and Consulting Firm	CEO and Founder
72	30/03/2022	Rural Marketing	Mr. Vaibhav Kathju	Mahila Money	Founder Team
73	30/03/2022	Project Management	Mr. Atyam Basava Raju	Biz Trans Consulting	CEO
BBA (HRM)					
74	15/07/2021	Human Resource Measurement & Analysis	Mr. Rahul Nawani	Western Coalfields Limited	Deputy Manager-HR/Vigilance
75	17/07, 20/07 & 23/07/2021	Corporate Communications & Public Relations	Ms. Vibhuti Bhatt	One Advertising & Communication Services Ltd.	Director
76	12/08/2021	Organisation Design, Development & Change	Mr. Kanti Gopal Kovvali	Institution Builders HR Solutions	Founder Director

77	21/08/2021	Accounting for Managers	Mr. Rajesh Shah	Adani Group	Ex. VP. Finance & Accounts
78	27/08/2021	Field Work	Ms. Deepa Sanghavi	NIFT	Faculty
79	27/08/2021	Field Work Orientation Workshop	Ms. Archana Shrivastava	In Posse-Possibilities Aplenty	Director & Principal Consultant
80	28/08, 04/09 & 11/09/2021	Leadership in Organizations	Ms. Bhavna Batra	IHS Markit	Director
81	03/09/2021	Organisation Design, Development & Change	Ms. Archana Shrivastava	In Posse-Possibilities Aplenty	Director & Principal Consultant
82	06/09/2021	Strategy Management	Ms. Suman Nair	Atiitya Training & HR Consultants Pvt. Ltd.	Managing Director
83	06/09/2021	Organisation Design, Development & Change	Ms. Suman Nair	Atiitya Training & HR Consultants Pvt. Ltd.	Managing Director
84	19/09/2021	Field Work-I	Prof. Deepa Sanghavi	NIFT	Faculty
85	05/10/2021	Accounting for Managers	Mr. Rajesh Shah	Adani Group	Ex-VP Finance & Accounts
86	26/10/2021	PS Johamchic Tool & Techniques	Ms. Nimrat Singh	Tangram	Director
87	27/10 & 29/10/2021	Business Statistics	Mr. Dhaval H. Popat	EXL Analytics	Project Management
MBA (FB & E)					
88	17-01-2022	Case Studies of Entrepreneurs	Sameer Aasht	Alma Mater Biz Solutions	Founder & Director
89	31-01-2022	Sales and Distribution Management	Amit Sharma	Mcare- Mobile ka Doctor	Founder
90	02-02-2022	Sales and Distribution Management	Amit Sharma	Mcare- Mobile ka Doctor	Founder
91	03-02-2022	Sales and Distribution Management	Amit Sharma	Mcare- Mobile ka Doctor	Founder
92	07-02-2022	Case Studies of Entrepreneurs	Niraj L Mulani	CITE.Co (IIM Ahmedabad)	Sr. Marketing Manager

93	11-02-2022	Working Capital Management	Milan Buch	RBL Bank	Ex Deputy Vice President
94	23-02-2022	Investment and Portfolio Management	Yogesh Chauhan	IIM Raipur	Associate Professor
95	02-03-2022	Bank Management	Priyanta Basu	Ex Yes Bank, HDFC Bank	VP- Government Business
96	03-03-2022	Retail Marketing	Amit Sharma	Mcare- Mobile ka Doctor	Founder
97	05-03-2022	Integrated Marketing Communication	Ashok Abraham	Publicity Parlour	Media Head- Planning & Buying
98	05-03-2022	Sales Force management	Rajesh Shah	Adani Group	Ex-VP- Finance & Accounts
99	07-03-2022	Integrated Marketing Communication	Pramit Ghosh	Cognitio Innovo	Founder & Director
100	08-03-2022	Digital Marketing	Rohit Ashok	E servo	Director-DM
101	11-03-2022	Working Capital Management	Mohit Moradiya	Yes Bank	VP- Credit Risk Management
102	11-03-2022	Digital Marketing	Rohit Ashok	E servo	Director-DM
IMBA					
103	26-8-2021 31-8-2021 02-09-2021	Reward and Performance Management in Family Managed Enterprises	Mr. Mitesh Thakkar	M K Thakkar & Associates	Founder
104	25-08-2021 03-09-2021	Investment and Portfolio Management	Prof. Jayanta Kumar Seal	Indian Institute of Foreign Trade	Professor
105	30-08-2021 01-09-2021	Investment and Portfolio Management	Mr. Samveg Patel	School of Business Management, NMIMS	Assistant Professor
106	25-08-2021	Retail Marketing	Mr. Dhavwaall Panchal	Kantila Enterprise LLP	Vice President
107	01-09-2021	Entrepreneurial Finance	Mr Naresh Portaraju	NMIMS, Mumbai	Assistant Professor
108	31-08-2021	Entrepreneurial Finance	Mr. Dahyalal Prajapati	Mehsana	Head - SME and Start Up Platform

109	06-09-2021	Investment and Portfolio Management	Mr. Mahesh Pandya	Bombay Stock Exchange	Sr. Executive
110	06-09-2021 08-09-2021 10-09-2021	Entrepreneurial Marketing	Mr. Abhimanyu Singh	Flhexible .Com Hexpersions.org	Co-Founder
111	06-10-2021	Marketing Concepts and Practices-I	Mr. Neeraj Hasija	Helthy Browns	Founder
112	09-09-2021	Business Development Strategies	Mr. Ateet Bajaj	Bajaj Exports	Partner
113	02/09/2021 09/09/2021 14/09/2021	Project Planning & Control	Mr. Rajesh Shah	Adani Group	Ex VP – Finance & Accounts
114	31-07-2021	Entrepreneurial Finance	Mr. Patel Hardik Vishnubhai	HSBC Holding	Sr. Analytics
115	22-12-2021	Working Capital Management	Mr. Mohit Moradiya	Yes Bank	Vice President
116	12-07-2021	EML	Mr. Rohit Swaroop	Xplora Design	Director
117	14-12-2021	TeOM	Mr. Ankit Desai	Ernst & Young	Sr. Consultant
118	09-12-2021	TeOM	Mr. Possin Pun-nose	Annex Infotechnologies Pvt. Ltd.	Exe. Director
119	24-12-2021	CB	Mr. Nishant Khakhani	Sphere Lounge Café	Founder
120	04-01-2022	Franchising	Mr. Ananth Krishnan	Havmor Ice Cream	Head - Franchise Business
121	13-12-2021 15-12-2021 17-2-2021	Customer Relationship Management	Mr. Ershad Ali Syes	INNOVA Corp	Management Consultant
122	26-03-2022	Investment Banking	Prof. Tejpal Sheth	Tejpal Sheth & Co.	CS
123	4-4-2022 & 06-4-2022	Strategic Brand Management	Prof. Surya Kumar Sharma	Gelco Electronics Pvt. Ltd.	Strategic Consultant with MD
124	2-4-22 8-4-22	Digital Marketing	Prof. Rohit Ashok	e Servo	Director
BBA					
125	07-08-2021	Entrepreneurship and future	Mr. Ramanan Ramanathan	Atal Innovation NITI Aayog	First Mission Director

					Additional Secretary
126	13-09-2021	Start-up Journey	Mr. Sam Baisla	Brand Samosa, Decodr	CEO and Founder
127	14-09-2021	Design Thinking	Mr. Yash Rathi	Ford Motor Company	Development Specialist
128	15-09-2021	Turning adversaries into opportunities	Major Mohammed Ali Shah	News-X	Major
129	17-09-2021	Management for the society	Ms. Priya Gupta	Sarvpriya Foundation	Founder
130	18-09-2021	Campus to Corporate	Ms. Richa Singh	Mars	CFO

Invited Guests for Conclaves & Conferences

S. No.	Name of the Event	Date of Event	Name of the Guest Speaker	Name of Organisation	Designation
1	Pragman 6.0	26-11-2021	Sanjeev Bikchandani	Info edge	Co-founder
2	Pragman 6.0	26-11-2021	Anubhav Dubey	Chai Sutta Bar	Founder
3	Pragman 6.0	26-11-2021	Aditya Gadge	Equalifi	Founder & CEO
4	Pragman 6.0	26-11-2021	Anurag Asati	The Kabadiwla	Co-founder
5	Pragman 6.0	26-11-2021	Arjun P Gupta	Smart Joules Pvt. Ltd	Founder & CEO
6	Aarohan – The Annual BBA Conclave	6 th and 7 th January 2022	Biren Gandhi	Speak to IoT, Advisor, Investor	Founder & CEO
7	Aarohan – The Annual BBA Conclave	6 th and 7 th January 2022	Pradeep Krishnakumar	Zouk, Ex SAAS, VC, McK	Co-Founder & COO
8	Aarohan – The Annual BBA Conclave	6 th and 7 th January 2022	Nakul Mehrotra	Public Speaker	Leadership, Life & Career Coach
9	Aarohan – The Annual BBA Conclave	6 th and 7 th January 2022	Anurag Jain	Milk basket	Ex Co-Founder
10	Aarohan – The Annual BBA Conclave	6 th and 7 th January 2022	Dean Furness	Motivational Speaker	Data & Analytics Professional

11	Aarohan – The Annual BBA Conclave	6 th and 7 th January 2022	Aditya Arora	TEDx Speaker	Angel Investor, Mentor
12	Aarohan – The Annual BBA Conclave	6 th and 7 th January 2022	Mandeep Maitra	Freelancer	Leadership, Transformation & Design Thinking Coach
13	Aarohan – The Annual BBA Conclave	6 th and 7 th January 2022	Shweta Kothari	TEDx Speaker	Journalist, Communicator
14	Aarohan – The Annual BBA Conclave	6 th and 7 th January 2022	Anooja Bashir	TEDx Speaker	Woman Entrepreneur 2021, Brand & Marketing Strategist
15	Pratidhwani	26-03-2022	Saurav Gupta	Capgemini	Finance Controller
16	Pratidhwani	26-03-2022	Mitesh Manubarwala	A.P,Moller Maersk	General Manager-HR
17	Pratidhwani	26-03-2022	Vidhya Iyer	eClerx	Senior process manager
18	Pratidhwani	26-03-2022	Sonika Gupta	Nielsen IQ	Executive Director
19	Pratidhwani	26-03-2022	Kunal Mathuria	Microsoft India	Director specialist management
20	Pratidhwani	26-03-2022	Vivek Rao	Mahindra Group	DGM-HR
21	Pratidhwani	26-03-2022	Sukhvinder Singh	Singh Sports Venture Pvt. Ltd.	Director
22	Pratidhwani	26-03-2022	Amit Toshniwal	L&T Financial services	Head of PMO
23	Pratidhwani	26-03-2022	Shalin Talajia	Grabenord and Healthy Gut	CEO-Founder

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
2021-22	1	20.00	3	168.69	-	-
2020-21	2	15.50	3	116.69	1	72.00

Minor Research Project funded by Nirma University

Financial Year	Completed/ Ongoing/ Sanctioned	
	Number	Amount in Lakhs
2021-22	4	1.64
2020-21	1	1.0

Completed Major Research Projects

Sr. No.	Title of the Project	Project Investigator/s	Funding Agency	Grant (in Rs.)
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	20,00,000/-
Total Grant				20,00,000/-

Ongoing Major Research Projects

Sr. No.	Title of the Project	Project Investigator/s	Funding Agency	Grant (in Rs.)
1.	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 Organization	19,69,000/-
2.	Rainbow (Realizing Aspirations, Interests & Brilliance Of Young Women In Indian Universities).	Prof. Nina Muncherji & Prof. Amola Bhatt (In collaboration with Birla Academy of Arts And Culture (BIMTECH) India; Sir Padmavat Singhania University, India; Fh Joanneum Gesellschaft Mbh, Austria; Yvaskylan Yliopisto, Finland and International Consulting And Mobility Agency Sociedad De Respo, Spain.)	Erasmus+ Capacity Building for Higher Education (Erasmus+ CBHE), European Union	77,00,000/-
3.	Centers Of Excellence In Sustainable Tourism To Boost Economic Development And Enhance University-Business Cooperation In Southern Asia (Cestour).	Prof. Parag Rijwani & Prof. Punit Saurabh (In collaboration with FH JOANNEUM Gesellschaft mbH, Austria, University of Alicante, Spain, Università die Lingue e Comunicazione, Italy, Birla Institute of Management and Technology, India, Institute of Public Enterprise, India, Sabaragamuwa University of Sri Lanka, Sri Lanka, Uva Wellassa University, Sri Lanka, Tribhuvan University, Nepal Global College International, Nepal.)	Erasmus+ Capacity Building for Higher Education (Erasmus+ CBHE), European Union	72,00,000/-
Total Grant				1,68,69,000/-

Sanctioned, Ongoing and Completed Minor Research Projects during the Year

Sr. No.	Title of the Project	Project Investigator/s	Funding Agency	Grant (in Rs.)
1.	Effect of e-learning quality and self-regulatory efficacy on student's e-learning behaviors in selected cities of Gujarat.	Prof. Tejas Shah & Prof. Poonam Chhanival	Nirma University	71,300/-
2.	Data Mining Applications to predict students' success in completion of MBA program.	Prof. Sunita Guru & Prof. Mahesh K.C.	Nirma University	43,000/-
3.	A study on the Startup India Scheme and Entrepreneurial Intentions in Gujarat.	Prof. Tripurasundari Joshi	Nirma University	28,000/-
4.	Gender Ideology and Housework. A study of Indian Youth.	Prof. Meeta Munshi	Nirma University	22,000/-
Total Grant				1,64,300/-

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

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
2021-22	08	0.00	---	42	12	6.352
2020-21	09	1.43	---	19	4.72	---

Research Publication by IMNU faculty

Publication in National Journals

Sr. No.	Name of Author(s)	Research Paper	Name of Journal	Vol. No.	Page No.	Month & Year of Publication	ISSN / ISBN
1	Guru S, Bhatt N., Agrawal N.	Prioritization of Dimensions of Online Trust Using Analytical Hierarchy Approach	Indian Journal of Marketing	51(5-7)	641–682	May-July 2021	0973-8703

2	Rajesh Sharma and Pra-deep Kautish	Aid-Growth Association and Role of Economic Policies: New Evidence from South and Southeast Asian Countries	Global Business Review	22(3)	735-752	June 2021	ISSN 0972-1509 (print), ISSN 0973-0664 (online)
3	Pratham Parekh	Assessing Prospects and Retrospect of Progress Monitoring of Sustainable Development Goals in India	The Journal of Oriental Research Madras	92(5)	94-109	September 2021	0022-3301
4	Punita Raj-purohit	First Time IFRS Convergence in India: Impact on Key Accounting Measures and Accruals Quality	SCMS Journal of Indian Management	18(4)	44-56	October-December 2021	ISSN 0973 - 3167
5	Rafia Khan	Monuments and Monumentality in a Changing Socio-Political Landscape: A View from Udayapura	Histories, MDPI	1(4)	289 - 296	November, 2021	2409-9252
6	Jayesh Aagja	The Trends in Negative Customer Engagement: A Historical Review with Bibliometrics and TCCM Analysis	SCMS Journal of Indian Management	18(4)	127-143	Dec, 2021	0973-3167
7	Sanjay Tripathi, Rajesh K. Jain	A Review on Advanced Planning Systems for Supply Chain Transformation	Nirma University Journal for Business and Management Studies	4(3&4)	1-34	Dec.2021	ISSN 22495630

8	Ritesh Patel	Market Integration and Portfolio Diversification Benefits: A Study of Selected Developed, Emerging, and Frontier Markets	Journal of Commerce and Accounting Research	11(1)	-	January 2022	ISSN 2277-2146. (online and print).
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Publications in International Journals

Sr. No	Name of Author(s)	Research Paper	Name of Journal	Volume No.	Page No.	Month & Year	ISSN / ISBN
1	Pradeep Kautish, Rajesh Sharma and Arpita Khare	Multi-Item scale development for online consumption emotion construct and psychometric evaluation for relationship marketing	Journal of Relationship Marketing	20(2)	91-134	April 2021	ISSN 1533-2667 (print), ISSN 1533-2675 (online)
2	Pradeep Kautish, Arpita Khare and Rajesh Sharma	Influence of Values, Brand Consciousness and Behavioral Intentions in Predicting Luxury Fashion Consumption	Journal of Product & Brand Management	30(4)	513-531	May 2021	ISSN 1061-0421 (print), ISSN 2054-1643 (online)
3	Rajesh Sharma, Avik Sinha and Pradeep Kautish	Do economic endeavors complement sustainability goals in the emerging economies of South and Southeast Asia?	Management of Environmental Quality: An International Journal	32(3)	524-542	May 2021	ISSN 1477-7835 (print and online)
4	Anurodh Khanuja, Jain Rajesh Kumar	The conceptual framework on integrated flexibility: An evolution to data-driven supply chain management	The TQM Journal	In Print	In Print	May 2021	ISSN No.1754-2731
5	Pradeep Kautish and Rajesh Sharma	Study on relationships among terminal and in-	Journal of Indian Business Research	13(1)	1-29	June 2021	ISSN 1755-4195 (print), ISSN

		strumental values, environmental consciousness and behavioral intentions for green products					1755-4209 (online)
6	Ritesh Patel	Equity Market Integration and Portfolio Decisions: A Study of NASDAQ USA and MSCI Emerging Markets Asia Indexes	Journal of Wealth Management	24(1)	11-39	June 2021	Print ISSN 1534-7524, Online ISSN 2374-1368.
7	Ritesh Patel	ASEAN-5 and Indian Financial Market Linkages: Evidence from Cointegration and Factor Analysis	Capital Markets Review	29(1)	41-58	June 2021	ISSN: 1823-4445
8	Bhatt N., Guru S., Thanki S., Sood G.	Analysing the Factors affecting the Selection of ERP Package: A Fuzzy AHP Approach	Information Systems and e-Business Management	19 (2)	81-92	June 2021	1617-9854
9	Priya Harchandani and Samik Shome	Global Tourism and COVID-19: An Impact Assessment	Tourism: An International Interdisciplinary Journal	69(2)	262-280	June 2021	1332-7461
10	Ritesh Patel	Do Portfolio Diversification Benefits Exist? A Study of Selected Developed and Emerging Markets	Applied Economics Quarterly	67(2)	-	July 2021	ISSN No. (Online) 1865-5122, (Print) 1611-6607
11	Pradeep Kautish, Sandeep Walia and Parvider Kour	The moderating influence of social support on career anxiety and career commitment: an empirical investigation from India	Journal of Travel & Tourism Marketing	38(8)	782-801	August 2021	ISSN 1054-8408 (print), ISSN 1540-7306 (online)

12	Sanjay Tripathi, Rajesh Jain	OR Models: High-End Analytical Tools to Optimize Your Supply Chain: A Study of Indian Manufacturing Industry	Asian Journal of Science and Technology	12(8)	11804-11808	August, 2021	ISSN 09763376
13	Sushma Verma, Samik Shome and Patel	Financial Preferences of Listed SMEs in India: An Empirical Study	Journal of Small Business Strategy	31(3)	88-101	August 2021	1081-8510
14	Rajesh Sharma, Avik Sinha and Praadeep Kautish	Examining the nexus between export diversification and environmental pollution: evidence from BRICS nations	Environmental Science and Pollution Research	28(43)	61732-61747	September 2021	ISSN 0944-1344 (print), ISSN 1614-7499 (online)
15	Jitendra Nenwani, Rajesh K. Jain	Examining the impact of strategic supplier partnership, customer relationship and supply chain responsiveness on operational performance: the moderating effect of demand uncertainty	Journal of Business & Industrial Marketing	37(5)	995-1011	Sep. 2021	ISSN: 0885-8624
16	Rajesh Sharma, Mohammad Shahbaz, Praadeep Kautish and Vinh Vo	Does energy consumption reinforce environmental pollution? Evidence from emerging Asian Economies	Journal of Environmental Management	297	113272	October 2021	ISSN 0301-4797 (print), ISSN 1095-8630 (online)
17	Anubha and Samik Shome	Intentions to use Travel eWOM: Mediating Role of Indian Urban Millennials' Attitude	International Journal of Tourism Cities	7(3)	640-661	October, 2021	2056-5607
18	Sushma Verma, Samik Shome and Patel	Financing Preference of Listed Small and Medium Enterprises	<u>Journal of Entrepreneurship in Emerging</u>	13(5)	992-1011	November 2021	2053-4604

		(SMEs): Evidence from NSE Emerge Platform in India	<u>Economies,</u>				
19	Pradeep Kautsh, Rajesh Sharma, Sachin Kumar Mangla, Fauzia Jabeen and Usama Awan	Understanding choice behavior towards plastic consumption: An emerging market investigation	Resources, Conservation & Recycling	174	105828	November 2021	ISSN 0921-3449 (print), ISSN 1879-0658 (online)
20	Rajesh Sharma, Mohammad Shahbaz, Pradeep Kautish and Vinh Vo	Analyzing the impact of export diversification and technological innovation on renewable energy consumption: evidences from BRICS nations	Renewable Energy	178	1034-1045	November 2021	ISSN 0960-1481 (print), ISSN 1879-0682 (online)
21	Anurodhsingh Khanuja, Rajesh Kumar Jain	The mediating effect of supply chain flexibility on the relationship between supply chain integration and supply chain performance	Journal of Enterprise Information Management	Inprint	Inprint	Nov. 2021	ISSN: 1741-0398
22	Nishant Agrawal, Rajesh Kumar Jain	Insights from systematic literature review of supply chain resilience and disruption	Benchmarking: An International Journal	In Print	In Print	Nov. 2021	ISSN 1463-5771
23	Jhaveri, Rutvij H., Shah, Prerak S., Patel, Neel N., Patel, Dhruvil M., Thanki, Shashank, Bhoi, Akash Kumar, Bhatia, Jitendra	An ICT-Based Solid Waste Management System for Smart Cities: A case of Municipality in India	International Journal Ad Hoc and Ubiquitous Computing	38 (1/2/2)	158-171	November 2021	1743-8225
24	Anamika Sinha, Jallavi Panchamia,	Choice of electives among management students in India: A	The International Journal of	19(3)	100557	November 2021	ISSN: 1472-8117

	Abhishek Sachan & Sunita Guru	conjoint analysisChoice of electives among management students in India: A conjoint analysis	Management Education				
25	Z. Jiao, Rajesh Sharma, Pra-deep Kautish and H.I Hussain	Unveiling the asymmetric impact of exports, oil prices, technological innovations, and income inequality on carbon emissions in India	Resources Policy	74	102408	December 2021	ISSN 0301-4207 (print), ISSN 1873-7641 (online)
26	Avani Raval, Swati Saxena	A cohort study of motivational factors towards fitness training services in Ahmedabad city	International Journal of Services, Economics and Management	12(4)	367-387	Dec. 2021	1753-0830 (online) 1753-0822 (print)
27	Avani Raval, Rajesh Desai, Kedar Bhatt	Nexus between carbon emission and financial performance moderated by environmental sensitivity: evidence from emerging economy	International Journal of Managerial and Financial Accounting	13(3/4)	209-231	Dec. 2021	1753-6723 (online) 1753-6715(print)
28	Avani Raval, Swati Saxena, Shashank Thanki	How Carbon Projects Can Add to Sustainable Development Goals of India', an Associative Study of CDM Projects	Copernican Journal of Finance & Accounting	10(4)	117-137	Dec., 2021	2300-3065 (online) 2300-1240 (Print)
29	Chetan Gondaliya, Ajay Patel and Tirthank Shah	Stock Prediction Using Machine Learning Algorithms with Special Reference to Technical Indicators	ICT with Intelligent Applications Proceedings of ICTIS 2021	248	319-327	Dec. 2021	Online ISBN: 978-981-16-4177-0
30	Shahir Bhatt, Amola Bhatt, Shashank Thanki	Analysing the Key Enablers of Students' Readiness for Online	International Journal of Education	17(4)	105-130	December 2021	ISSN: 1814-0556

		Learning: An ISM Approach	and Development using ICT				
31	Nikunj Patel, Bhavesh Patel	Integration of stock markets using autoregressive distributed lag bounds test approach	Global Business and Economics Review	26(1)	37-64	December 2021	1097-4954
32	YaswanthKaredla, Rohit Mishra & Nikunj Patel	The impact of economic growth, trade openness and manufacturing on CO2 emissions in India: an autoregressive distributive lag (ARDL) bounds test approach	Journal of Economics, Finance and Administrative Science	26(52)	376-389	December 2021	2218-0648
33	Ruchi Rayat, R. and Samik Shome	Retention of Sales Employees in Insurance Sector: Empirical Evidences from India	The Empirical Economic Letters	20(4)	167-187	December 2021	1681-8997
34	Anubha and Samik Shome	Customer Engagement and Advertising Effectiveness: A Moderated Mediating Analysis	Journal of Internet Commerce	20(4)	409-449	December 2021	1533-2861
35	R. Zhang, Rajesh Sharma, Z. Tan and Pradeep Kautish	Do export diversification and stock market development drive carbon intensity? The role of renewable energy solutions in top carbon emitter countries	Renewable Energy	185	1318-1328	January 2022	ISSN 0960-1481 (print), ISSN 1879-0682 (online)
36	Azharuddin Shaikh, Poonam Mishra, and Isha Talati	Seller's Replenishment Decision for Material following Quadratic Demand with Different Payment Structures	Materials Today: Proceedings			Available online 17 January 2022	Online ISSN: 2214-7853

37	Pratham Parekh	Media, Rumor and Election: Study of 2014 General Elections in India.	The British Journal of Administrative Management	57(145)	139-147	January, 2022	1746-1278
38	Balakrishnan Unny R., Nityesh Bhat	A Meta-Analysis of Privacy: Ethical and Security Aspects of Facial Recognition Systems	International Journal of Information Security and Privacy	16(1)	1-22	January 2022	EISSN: 1930-1669
39	Priya Harchandani and Samik Shome	Tourism in COVID-19 Pandemic: Consequences and the Way Forward	Economic Studies (Ikonomicheskii Izsledvania)	31(1)	38-57	January 2022	0205-3292
40	Arpita Khare and Pradeep Kautish	Antecedents to green apparel purchase behavior of Indian consumers	Journal of Global Scholars of Marketing Science	32(2)	222-251	February 2022	ISSN 2163-9159 (print), ISSN 2163-9167 (online)
41	Nitika Sharma, Arminda Paco and Pradeep Kautish	The impact of eco-innovation on green buying Behaviour: The moderating effect of emotional loyalty and generation	Management of Environmental Quality: An International Journal	33(4)	1026-1045	March 2022	ISSN 1477-7835 (print and online)
42	Ritesh Patel, John W. Goodell, Marco Ercole Oriani, Andrea Paltrinieri and Larisa Yarovaya	A bibliometric review of financial market integration literature	International Review of Financial Analysis	80	-	March 2022	ISSN 1057-5219 (online and print).

Other Publications (books, chapters in books, case studies, manual monographs, articles, etc.)

Books and book chapters published

Sr. No.	Name of the Book	Year of Publication	Author(s)/Editor(s)	ISSN/ISBN number	Publisher
1.	Managing Disruptions in Business: Causes, Conflicts, and Control	February 2022	Pradeep Kautish, Linda D. Hollebeck, Arpita Khare and R.A. Rather	ISBN 978-3-030-79708-9 (Hardcover), ISBN 978-3-030-79709-6 (eBook)	Palgrave Macmillan, Cham (A Springer Group Publishing Company)
2.	Re-Imagining Management Education in the 21st Century: The Way Ahead. (Book)	January 2022	Nina Muncherji	ISBN: 978-93-543533-70-3	New Delhi: Bloomsbury
3.	People Management for Business Excellence	July 2021	Bhajan Lal, Hardik Shah & Poonam Channiwal	ISBN 978-81-952843-0-6.(Hardcover) 978-93-91355-19-7 (eBook)	Excel Publication
4.	Human Resource Management Practices For Industry 4.0	July 2021	Hardik Shah Poonam Channiwal & Bhajan Lal	ISBN: 978-81-952843-3-7). V 978-93-91355-14-2 (eBook)	Excel Publication
5.	Soft Computing in Inventory Management (Book Chapter)	August 2021	Poonam Mishra, Azharuddin Shaikh, and Isha Talati	ISBN 978-981-16-2155-0 ISBN 978-981-16-2156-7 (eBook)	Springer Nature Singapore Pvt Ltd
6.	Soft Computing in Inventory Management (Book Chapter)	August 2021	Isha Talati, Poonam Mishra, and Azharuddin Shaikh	ISBN 978-981-16-2155-0 ISBN 978-981-16-2156-7 (eBook)	Springer Nature Singapore Pvt Ltd
7.	Decision Making in Inventory Management (Book Chapter)	August 2021	Isha Talati, Poonam Mishra, and Azharuddin Shaikh	ISBN 978-981-16-1728-7 ISBN 978-981-16-1729-4 (eBook)	Springer Nature Singapore Pvt Ltd

Faculty achievements

Awards and Recognitions (Institute-Department-Faculty)

- Prof. Pradeep Kautish, Associate Professor, Institute of Management received Emerald Literati Award by Journal of Fashion Marketing and Management June 2021.
- Prof. Samik Shome was awarded the Best Paper Award for paper titled Cryptonomics: A Rationale of Investing into Profitable Cryptocurrencies presented during 1st Pritam Singh Memorial (PRISM) Conference on Architecting the Future of Business: Leadership, Governance & Technology at Jindal School of Banking & Finance, O. P. Jindal Global University, Sonipat, November 17-19, 2021.
- Prof. Samik Shome was appointed as a member of 6th Common Review Mission 2022 by Ministry of Rural Development, Government of India to review the implementation of various rural development programmes and suggest refinement in the existing framework.
- Prof. Nina Muncherji was invited as Session Chair for the Keynote Address on the Topic “Making Sense of Gender Equity, Diversity & Inclusion” by Dr. Jean Helms Mills and Dr. Albert J. Mills, Saint Mary's University Canada at the International Rainbow Conference on Diversity, Inclusion and Gender Equity In Education and Work Life (Irc 2022) On 8th & 9th February 2022 at Bimtech Gr. Noida, India.
- Prof. Pradeep Kautish, Associate Professor was invited Track Chair IBS, Hyderabad January 21-22, 2022.
- Prof. Pradeep Kautish, Associate Professor was invited for Track Chair MDI Murshidabad January 28-29, 2022.
- Prof. Bhajan Lal, was invited for - Track Chair, Central University Rajasthan, November 25-26, 2021
- Prof. Azharuddin Shaikh, Asst. Prof. - Session Chair, 4th International conference on Frontiers in Industrial and Applied Mathematics organized by Department of Mathematics, Sant Longowal Institute of Engineering & Technology, Longowal, December 20-21, 2021.
- Dr. Nityesh Bhatt, Institute of Management has been awarded the ‘Faculty Chair Professor positions’ by the Nirma Limited. The objective of creating the Nirma Ltd Chair is to promote research and academic work in the concerned area. The Chair would take up sponsored research projects in the concerned area and publish papers in reputed journals. In addition, they could also carry out research projects for Nirma Ltd for the sponsoring organisation.

Internal Resources Generated

Executive Diploma Programme

Sr. No.	Name of the Programme	Date	Programme Leader	Participants	Amount
1	EDP in Operations Management & Marketing	July 2021 to May 2022	Prof P K Yadav	20	Rs. 1078000

Revenue Generated in:

Financial Year	Training
2021-22	310500
2020-21	268642

Extension Activities-Community services by Institute

Managing Social Projects [MSP] 2021-2022

Intending to sensitise the students to the larger social concerns, the Institute of Management offers a compulsory field course called “Managing Social Projects” in Term III of the MBA Programme.

Sr. No.	Name of Social Organisation	Number of students	Projects
1	Adhyayan Foundation	60	Research and Development for CSR Resource Mapping. Collecting Data about PSUs in India and their CRS initiatives
2	Aga Khan Rural Support Programme (India)	3	Compilation of all acts, rules & regulations, and schemes related to the Panchayati Raj system in Madhya Pradesh
3	Aatapi Seva Foundation	15	Unnati Path: Planning and execution of activities, generating livelihood, and empowering women living in remote villages. Garima Project: Suggesting strategies for enhancing the income of at least 40 needy women in Akhod village through skill-building in tailoring and market linkage Identifying the barriers and making the project-Mini Tool Bank functional.
4	Blind Peoples' Association (BPA)	14	Creating Engagement in the Fund Raising event campaign -Give India, through creative posts for the campaign on social media platforms. Data Management Project for creating donors Management data report. Contributed to Fund Raiser sales.
5	Child Rights And You (CRY)	60	Creating social media content. Spreading awareness of the various activities that the NGO does on social media Fundraising initiatives and activities.
6	Janta Foundation	13	Project for imparting knowledge to children through lectures and discussions on the topics: water conservation, health and hygiene, good and bad touch, basics of English grammar, safety precautions and manners, basic Mathematics, good habits and general behavioral studies.
7	Tresna Foundation	60	Rural Development Education: Online teaching of core subjects like English, Maths, Science, General Knowledge Online teaching for Scholarship Exam (NMMS) for class 8 students – scholarship for class 9 to 12. (Exam was scheduled for January 2022 end and it includes class 5 to 8 studies overall) and Jawahar Navodaya Yojana for class 5 students- scholarship for class 6 to 12 (Exam was scheduled for April 2022.)

			Prepare Content Writings for the above-mentioned subjects for strengthening the concepts of village teachers in a planned way. Preparing small videos for teaching the fundamentals of subjects (Maths - English) in an interesting way. Health, hygiene, sanitation.
8	Udgam	60	Marketing Awareness Campaign of Events Donation Drives strategies and funds Raising Graphic designing for various events Public Relation Marketing
9	With Love for Loved Ones (WLFLO)	16	Developing partnerships for Corporates Developing partnerships for Beneficiaries. Developing partnerships for NGOs. Developing partnerships for Governments Developing partnerships for Corporates Developing partnership for IT and Communications Developing Social media campaign for the Stakeholders' meeting.

National Service Scheme

1. Yoga Se Hi Hoga 2.0 (19/06/2021 to 21/06/2021)

On the occasion of the 7th International Yoga Day, NSS-IMNU and AbhimaNU collaborated to organise an online yoga workshop from 19/06/2021 to 21/06/2021. A three-day workshop was organised for the celebration of the day and to build the immunity of participants. This workshop was conducted by Ms. Shruti Garg.

2. Webinar on Cancer Prevention and healthy lifestyle (25.09.2021)

NSS IMNU organised a cancer workshop in collaboration with Sanjeevani- Life beyond Cancer NGO, an award-winning registered Public Trust. The workshop was conducted by Mrs. Ila Uday Vora, a coordinator of Sanjeevani Life beyond Cancer, Ahmedabad and she herself is a cancer survivor. She was accompanied by Mrs. Florina Singh who is currently working as senior programme counsellor for North Delhi and placed in Delhi State Cancer Institute at Rajiv Gandhi Cancer Institute.

IV. Infrastructure and Learning Resources

Library-learning resources: Added

Year	Titles Purchased (including lending and reference titles)		Reference Books Purchased		Print Journals Subscribed		E-Journals Subscribed	
	No.	Cost	No.	Cost	No.	Cost	No.	Cost
	2021-22	183	82,535	20	0	149	4,42,873	9920
2020-21	6622	32,183	54	0	181	2,88.022	17051	41,56,039

V. Student Support and Progression

Admission details 2021-22

Sr. No.	Name of Programmes	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	1910	1910	1193 (75%tile)	1059	298
2.	MBA (HRM)	710	710	477 (70 %tile)	389	28
3.	MBA (FB&E)	128	Not Con- ducted	128	86	55
4.	Integrated BBA-MBA Programme	2265	-	1000	798	217
5.	BBA-MBA (All India)	1903	IPMAT 43 & above	800	624	129
6.	BBA-MBA (Gujarat Cate- gory)	119	Not Re- quired	101	96	53
7.	BBA-MBA (NRI Cate- gory)	243	IPMAT & University Entrance Test	99	78	35

Student achievements

The students participated in various events and received the following awards:

Sr No	Roll No	Name of the Participant	Date of Event	Name of the Event	Name of the in- stitute organis- ing the event	Result
1.	177253	Shruti Chhabra	18-09- 2021	National Level Busi- ness Simulation Competition	KIIT School of Management, Odisha	3rd posi- tion
2.	187151	Satyam Yaduka	30-10- 2021	HR Knockout	Special Interest Group - Human Resources FORE School of Man- agement	1st posi- tion

3.	211209	Parv Jain	22-02-2022	Call the Shots	SP Jain Institute of Management & Research	1st runner up
4.	211209	Parv Jain	19-02-2022	Utkrisht Poker Tournament	IIM Udaipur	1st position
5.	211186	Jigyasha Dugar	26-02-2022	PRATIDWANDI (Perspective Richter 10)	Institute of Management	2nd position
6.	187213	Ashutosh Sureka	07-03-2022	Arthavaad	IIM Shillong	2nd rank
7.	187216	Chinmay Soni	07-03-2022	Arthvaad	IIM Shillong	2nd rank
8.	187213	Ashutosh Sureka	07-03-2022	Volatile Vortex (Portfolio Re-balancing Comp)	IIM Shillong	3rd rank
9.	187216	Chinmay Soni	07-03-2022	Volatile Vortex (Portfolio Rebalancing Competition)	IIM Shillong	3rd rank
10.	187216	Chinmay Soni	14-03-2022	Mock Stock (Stock Trading Simulation Competition)	SVC, DU	3rd rank
11.	187213	Ashutosh Sureka	14-03-2022	Mock Stock (stock market simulation)	Sri Venkateswara College (DU)	3rd rank
12.	187213	Ashutosh Sureka	15-03-2022	Mind The GAAP (Fundamentals and Accounting Analysis Competition)	Lal Bahadur Shastri Institute of Management	1st rank
13.	187213	Ashutosh Sureka	19-03-2022	Cryptonite (Crypto Simulation Competition)	Department of Business Economics, Delhi University	2nd rank
14.	187213	Ashutosh Sureka	24-03-2022	Apple-O-Nomics (Finance and Economics Competition)	IIM Sirmaur	3rd rank

15.	187216	Chinmay Soni	15-03-2022	Mind the GAAP (Fundamental Analysis and Accounting Competition)	LBSIM, Delhi	1st rank
16.	187216	Chinmay Soni	19-03-2022	Cryptonite - Moolyankan (Cryptocurrency Trading Competition)	DBE, DU	2nd rank
17.	187216	Chinmay Soni	24-03-2022	Apple-o-nomics (Economics Case Analysis Competition)	IIM Sirmaur	3rd Rank
18.	187216	Chinmay Soni	17-03-2022	Stratetive - National Level Quiz	IIM Raipur	3rd rank
19	201434, 201428, 201156, 201416, 201123	Nishant Patel, Khushboo Patel, Trishala Patuha, Devashish Daga, and Kunal Shah	08-12-21	GO Quant Camp Factor' investing competition	Bloomberg in association with GIFT City under the aegis of IFSCA	3 rd rank

Value added Workshops

Sr No	Name of Workshop	Date	Trainer Firm	Remarks	Number of students
1	Behavioural Process Laboratory	10.08.2021 to 13.08.2021	Indian Society for Applied Behavioural Science (ISABS)	The four days workshop was organised as part teaching for the students of students of MBA (HRM)	29
2	Workshop on advanced excel for MBA-HRM	04.10.2021 to 08.10.2021	DMG Trainers	Digital Media Group (Digital Media DMG Pvt Ltd)	38

3	Competency Mapping and Assessment	25.11.2021-26.11.2021	Academy of Human Resource Development (AHRD)	The two days workshop was organized as a part teaching for the students of students of MBA(HRM)	28
4	Design thinking workshop	07.01.2022 (30 hours)	Explorra Education Pvt. Ltd.	30 hours value added workshop on design thinking by Mr. Rohit Swarup	38
5	Entrepreneurship Development in International Business	24.02.2022 to 29.03.2022 30 Hrs	Simplus Exim & Corporate Advisory LLP	30 hrs value added whop for MBA(FB & E) Second year Students, 2020-22 Batch	48
6	Immersive Entrepreneurship	25.02.2022 to 05.03.2022 30 Hos	IIT Kharagpur	30 hrs value added whop for MBA(FB & E) First year Students, 2021-23 Batch	52
7	Simulations in Human Resource Management	22.03.2022-25.03.2022	IMNU + Lead Pro Simulations	The four days workshop was organized as part teaching for the students of students of MBA(HRM)	28

Value Added Courses offered in Integrated BBA MBA during the year

Sr No	Batch	Division	Name of Workshop	Date	Name of Trainer	No of Students Attended
1.	2021-26	A	Data Analysis	06/12/2021 07/12/2021	& Mr. Nikul Patel	77
2.	2021-26	B	Data Analysis	08/12/2021 09/12/2021	& Mr. Nikul Patel	75
3.	2021-26	C	Data Analysis	10/12/2021 11/12/2021	& Mr. Nikul Patel	75
4.	2021-26	A	Data Analysis	10/03/2022 24/03/2022	to Prof. Rajesh Desai	77

5.	2021-26	B	Data Analysis	10/03/2022 24/03/2022	to	Prof. Ra- jesh Desai	73
6.	2021-26	C	Data Analysis	10/03/2022 24/03/2022	to	Prof. Nisarg Joshi	75
7.	2020-25	A	Spread Sheet	27/09/2021 28/09/2021	&	Mr. Sagar Paneliya	77
8.	2020-25	B	Spread Sheet	29/09/2021 30/09/2021	&	Mr. Sagar Paneliya	76
9.	2020-25	C	Spread Sheet	01/10/2021 04/10/2021	&	Mr. Sagar Paneliya	75
10.	2020-25	A	Business quette	Eti- 10/01/2022 11/01/2022	&	Ms. Pri- yanka Sharma	76
11.	2020-25	B	Business quette	Eti- 12/01/2022 13/01/2022	&	Ms. Sandhya Anantani	76
12.	2020-25	C	Business quette	Eti- 17/01/2022 18/01/2022	&	Ms. Pri- yanka Sharma	74
13.	2019-24	A	Stress ment	Manage- 12/07/2021 13/07/2021	&	Ms. Re- becca Su- dan	64
14.	2019-24	B	Stress ment	Manage- 14/07/2021 15/07/2021	&	Ms. Re- becca Su- dan	58
15.	2019-24	C	Stress ment	Manage- 16/07/2021 17/07/2021	&	Ms. Re- becca Su- dan	59

Co-curricular activities organised

The co-curricular activities organised by various student's club at Institute of Management are as following:

Sr. No.	Event Name	Club/Committee	Dates	No of Participants
1	Brandwizer	Niche	16-09-2021 & 19-09-2021	138
2	Crosshunt	SWC	22-09-2021	176
3	Sanyukt	Karwaan	23-09-2021	15

4	KPMG Lean Six Sigma Green Belt Certification	Optimus	09-10-2021, 10-10-2021, 16-09-2021, 17-10-2021	28
5	Am I Audible? 2.0	Expressions	15-10-2021 to 25-11-2021	33
6	Ingenium 2.0	Imprintz	18-10-2021, 19-10-2021	153
7	Break the Code	Optimus	20-10-2021, 23-10-2021, 24-10-2021	55
8	Enflammer	News Junction	22-10-2021	186
9	Rangeelo Raas	The Cultural Committee	23-10-2021	300
10	Battle o best	Karwaan	27-10-2021, 28-10-2021	110
11	Finquest	Finesse	29-10-2021, 30-10-2021	120
12	Carnival of Souls	Rotaract	10-11-2021, 12-11-2021	96
13	Zero Ping	Clique	13-11-2021, 14-11-2021	84
14	Lekha Jokha	Sumantra	15-11-2021, 16-11-2021	123
15	Silver Odyssey	WMCCC	17-11-2021, 18-11-2021	210
16	Jam Session	Fiesta	19-11-2021	300
17	Aneshan 9.0	Xquizit	22-11-2021, 23-11-2021	166
18	Pragaman 6.0	Swayam	26-11-2021	900
19	Slam Dunk	Sportzzzcomm	02-12-2021 to 04-12-2021	144
20	Pre & Post Budget Session	Finesse	31-01-2022 and 03-02-2022	100
21	Filmy Akhada	Chehre	05-02-2021	159
22	Nirma Trading League	Finesse	07-02-2022 to 11-02-2022	145
23	Dwand	Karwaan	14-02-2022 to 16-02-2022	180
24	Nirmatalks - Coffee with corporate	Karwaan	20-02-2022, 21-02-2022	18
25	PR 10	TCC	25-02-2022 to 28-02-2022	1750
26	Nirma Foosball Leauge	Expressions	20-03-2022, 21-03-2022	144
27	dHRishya	Imprintz	21-03-2022, 2022-03-2022	117
28	Exposure 5.0	Pratikriti	28-03-2022	49
29	Carnival	Fiesta	31-03-2022, 01-04-2022	300

Name of the Event/Activity	Organising Club / Committee	Date of Event	No. of Participants	Judges/Speakers
Akshar – The Expert Lecture Series	Adityavat – The BBA Co-Curricular Committee and The Placement Committee	07/08/2021	350	Mr. Ramanan Ramanathan, Mission Director of the Atal Innovation Mission (AIM) under the NITI Aayog.
Induction Programme	AdityaVat – BBA Co-curricular Committee Media Committee Placement Committee	13/09/2021	189	Mr. Sam Baisla Founder & CEO of Brand Samosa, Decoder

Induction programme	Pro-	AdityaVat – BBA Co-curricular Committee Media Committee, Placement Committee	14/09/2021	212	Mr. Yash Rathi Learning and Organisation Development Specialist
Induction programme	Pro-	AdityaVat – BBA Co-curricular Committee Media Committee Placement Committee	15/09/2021	186	Major Mohommed Ali Shah International TEDx speaker
Induction programme	Pro-	AdityaVat – BBA Co-curricular Committee Media Committee Placement Committee	17/09/2021	190	Ms. Priya Gupta Founder, Sarvpriye Foundation
Induction programme	Pro-	AdityaVat – BBA Co-curricular Committee Media Committee Placement Committee	18/09/2021	211	Richa Singh, Chief Financial Officer at Mars
Anveshan 2.0 – The B-Quiz		AdityaVat – The BBA Co-curricular Committee	18/12/2021	21 (7 teams)	1 st – Team “That’s what she said” 2 nd – Team “Buck-shire Has-a-way” 3 rd – Team “Potter Brains”
Brand Wars		VicharDhaara – The Debate and Quiz Club	29/01/2022	80 (40 teams)	Nil 1 st – Manthan Trivedi and Pranay Bapna 1 st Runner-up – Anjali Shaju and Tanisha Sarraf 2 nd Runner-up – Nidhi Sukhwani and Dvija Mehta

Details of Youth Welfare & Cultural Activities organised by BBA

Sr No	Name of the event	Event Date	No of Participants	Organising Club/Committee
1	Weekend Funaroo	1/10/2021	58	RCIMNU
2	Spotlight	10/10/2021	20	Abhivyakti and Ritayan
3	Musical Charades	28/12/2021	28	Ritayan
4	Moot Court (LI-ARS)	11/02/2022	19 pairs (Inter B-school)	RCIMNU
5	Genesis - 2022	24-25/02/2022	500+	Abhivyakti
6	Personal Finance Workshop	27/02/2022	54	RCIMNU

Details of Extra Curricular Activities organised by BBA

Sr No	Name of the event	Event Date	No of Participants	Organising Club/Committee
1	Koi Mil Gaya	13/12/2021	23	Thespians
2	Food Drive	17/12/2021	36	Mavericks
3	Musical Charades	28/12/2021	28	Ritayan
4	Where's the Humour	28/12/2021	20+	Ritayan
5	Brand Wars	29/01/2022	40	VicharDhaara
6	Social Verse	16/02/2022	100	Deja View
7	Let's Nacho	24/02/2022	13	Ritayan
8	Beat the beat	25/02/2022	14	Ritayan

Perspective Richter 10

Perspective Richter 10, the annual cultural management fest of the Institute of Management was organised virtually on Feb 25-27, 2022. The event comprised a plethora of managerial and cultural events organised by various clubs and committees. A series of workshops were organised on 'Crypto Currency & Digital Assets' by Mr Atulya Bhatt, CMO & Co-Founder of BuyUCoiN, Blockchain Consultant at Blockkriti along with Priya Bhati, Financial analyst at BuyUCoin & Tushar Bakshi, Marketing executives at BuyUCoin. Workshop on 'Job vs Entrepreneurship vs Higher Education' by Ms Aishwarya Chauhan, Director, Student engagement at Talerang. She is a Mechanical Engineer from the University of Strathclyde, UK. Another workshop on 'How to handle your first boss' was conducted by Mr Animesh Bhat. He is serving the professional community whilst working with the TATA group, NIIT, NIS & the times cryptocurrency for the last 25+ years. Other events such as Slam poetry session, Laughter Riot etc. were also organised during the fest.

Alumni invited for admission process

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

Alumni Day 2021

Kaizen Committee organised the 'Ahmedabad Alumni Meet' on 24.09.2021. A Coffee table book was released during the event which highlighted the entrepreneurial journeys of the alumni. Post-lunch session, the Alumni General Body Meet was held with the alumni followed by a cultural event organised by the cultural committee.

Institute Lecture Series (Alumni)

Sr. No.	Date of Event	Name of the Guest Speaker	Name of Organisation	Designation	Topic
1	28.02.2022	Mr. Gautam Baid	Stellar Wealth Partners	Founder	The Discipline of investing
2	26.03.2022	Mr. Saurav Gupta	Capgemini	Finance Controller	The Problems banks faced ten years back in the physical area and how people's lives have changed in the last two years
3	26.03.2022	Ms. Vidhya Iyer	eClerx	Sr. Process Manager	How PhyGital is working with AML and KYC

4	26.03.2022	Mr. Mitesh Manubarwala	A.P. Moller Maersk	General Manager - HR	How a successful modern organization tries to operate & three core business models - Product, Consultative and Aggregator models.
5	26.03.2022	Mr. Vivek Rao	Mahindra Group	DGM – HR	Envisioning the PhyGital Future
6	26.03.2022	Ms. Sonika Gupta	NielsenIQ	Executive Director	Need of PhyGital and three major things that makes PhyGital work
7	26.03.2022	Mr. Sukhvinder Singh	Sports Venture Pvt. Ltd.	Director	How sports have evolved tremendously
8	26.03.2022	Mr. Amit Toshniwal	L&T Financial Services	Head of PMO	Omnichannel interaction of PhyGital & Blue Ocean Strategy
9	26.03.2022	Mr. Shalin Talajia	Grabenord and Healthy Gut	CEO Founder –	NFT culture and various NFTs existing in the market

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 in year 2021-22:

Sr. No	Name	Designation	Name of Organisation
1	Deval Sarang	Corporate Sales Manager	HDFC Standard Life Insurance Company Ltd
2	Somnath Bose	Vice President - HR	HDFC Standard Life Insurance Company Ltd
3	Harleen Sodhi	Lead – Talent Acquisition	Infosys Ltd
4	Sapan Oza	Regional Manager	Tata Consultancy Services Ltd
5	Abhishek Dasgupta	Cloud Consultant	Searce
6	Ahmendra Kansal	Branch Head	HDFC Ltd
7	Prateek Chitranshi	Solution Advisor	Deloitte
8	Nikita Pareek	Senior Consultant	KPMG India
9	Vamshi Challapali	Assistant Manager - Strategic Marketing	Wipro
10	Sunil Kuruvilla George	Sector Leader	CRISIL
11	Hitesh Kumar Gaur	Integrated Insights Manager	Novartis
12	Riju Mukhopadhyay	Branch Operations Head	Axis Bank
13	Sagar Tank	Sales Manager	IDFC First Bank
14	Nitin Abbi	Vice President- Bancassurance	SBI Life
15	Arnav Sharma	Head - Global Brand Marketing	Tech Mahindra
16	Kamlesh Sharda	Regional Business Head	Federal Bank
17	Vidhya Iyer	Senior Process Manager	eClerx

Placements 2021-22 (MBA, MBA-HRM & Integrated BBA-MBA Programme)

Placement parameters	2021-22	2020-21
Average Salary (CTC)	10.50 lakh/annum	9.25 lakh/annum
Median Salary (CTC)	10.00 lakh/annum	9.50 lakh/annum
Highest Salary (CTC)	26.00 lakh/annum	18.00 lakh/annum
Companies participated	102 plus	95 plus
No. of students placed	338	272

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, E-commerce, Analytics, Micro Finance, Power, Consumer Durables, KPO, Logistics, Petroleum-oil-energy Telecom, among others. More than 45 new companies participated in the campus hiring process. Companies like Morgan Stanley, ADP, Citi Bank, Kantar, Darwin Box, Optum, Alkem Laboratories, M G Motors, Viacom 18, Addverb Technologies visited the campus for the first time and recruited the students.

Companies which offered PPOs, are – JP Morgan Chase & Co., TATA AIG, Buhl Data and others. Regular recruiters include Infosys, Axis Bank, CARE Ratings, CRISIL, TCS, HDFC Life, Heidelberg Cement, The Smart Cube, Cognizant, etc.

Silver Jubilee Celebrations at Institute of Management

The Institute of Management, Nirma University celebrated its Silver Jubilee on Sep 24, 2021. The Institute marked the Silver Jubilee Celebration in a hybrid mode and reached around 1600 attendees through various platforms. The event had the CEO Lecture series and Cultural performances as part of the events. Mr. Suresh Narayanan, Chairman and Managing Director, Nestle India Limited, addressed the gathering. He stressed the significance of social and digital skills and recommended continual effort and learning.

CEO Lecture Series

As part of 25 successful years of completion, the Institute also introduced CEO Lecture Series. The Institute witnessed engagement from several prominent CEOs from different organisations such as Nestle, Fractal Analytics, Greenply Industries, SoftBank, Creamline Dairy products (Godrej Group) and ePay Later through this series. The Institute maintains an effective industry interface by regular interaction with industry experts through live projects, innovation workshops, participation in Conclaves, Institute Seminar Series and learning through co-curricular activities give a feel of the real world which encourages active learning for a better foundation.

Sr No	Date	Name	Designation	Organisation	Topic
1	03/09/2021	Mr.Srikanth Velamakanni	Co-Founder, Group Chief Executive & Executive Vice Chairman	Fractal	Demystifying AI: what does it take to drive AI within the organisation?
2	13/09/2021	Mr. Bhupendra Suri	CEO	Creamline Dairy Products Ltd.	From Commodity to Brands and other trends in the Dairy and Beverage Landscape

3	21/09/2021	Mr. Subir Palit	Country Head	Greenply Industries Limited	Stand out in the Crowd at Work "10" Power Habits that helps in Making Lasting Impressions
4	22/09/2021	Mr. Manoj Kohli	Country Head	SoftBank India	Future of Startups in India
5	24/09/2021	Mr.Suresh Narayanan	Chairman and Managing Director	Nestle India Limited	Leadership Lessons of a Career
6	15/11/2021	Ms. Smriti Handa	Global Talent Acquisition	Reckitt Benckiser	Diversity and Inclusion

Institute of Pharmacy

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Outstanding Achievements and Important activities

Ranking & Accreditation: Institute of Pharmacy received 20th rank at the All-India Level in the National Institutional Ranking Framework (NIRF 2021), by the Ministry of Education, Government of India. Institute also bagged the First Rank amongst the Pharmacy colleges in Gujarat state with Five Star rating and overall CGPA of 4.8 in Gujarat State Institutional Rating Framework (GSIRF) 2021 ratings by the Knowledge Consortium of Gujarat, Department of Education, Government of Gujarat.

Major Curricular Initiatives: Eminent expert e-lecture series was organised during February-March 2022 where more than 35 external experts delivered talks. Institute has signed a new International MoU with Binghamton University, New York, USA and with this, a total of 7 International MoUs are active with reputed international institutes. Four new national MoUs were also signed with the industry/hospital.

Major Faculty & Student Achievements: Dr. Mayur Patel, Dr. Bhoomika M. Patel and Dr. Snehal Patel have been selected among world's top 2% scientists according to the study published by Stanford University. Dr. Bhoomika M. Patel was awarded with APTI young Pharmacy teacher for the year 2021. Dr. Snehal Patel as Principal Investigator and Prof. Manjunath Ghate and Dr. Palak Parikh from L.M. College of Pharmacy as co-Investigators received a Major Research Project grant worth Rs. 46,32,410 from Department of Health Research, ICMR, New Delhi. Mr. Atul Garkal, Full time PhD student awarded a certificate of recognition in appreciation of his research entitled "Design and Development of long-acting injectable devices of anti-VEGF agent in treatment of age-related macular degeneration" for oral presentation in the 3rd National Biomedical Research Competition held virtually from December 06-10, 2021 organised by Society of Young Biomedical Scientists, India. Ms. Kanchan Lohana, MPharm SEM-I student secured second position in the SCOPE state level debate competition organised by SCOPE- a Gujarat Government Initiative held on December 18, 2021.

Major Event organised: Institute successfully organised virtual 6th Nirma Institute of Pharmacy International Conference jointly with Indian Pharmacological Society (NIPICON-IPS-2022) during February 17-19, 2022.

The Institute of Pharmacy, Nirma University inaugurated its Cell Culture facility on October 21, 2021.

Dignitaries visited

- Dr. Yashwant Pathak, Professor, School of Pharmacy, Material and Advanced Technologies for Healthcare, Tampa, USA
- Shri Mahesh Mehta, Deputy Director, State NSS Cell, Commissionerate of Higher Education, Govt. of Gujarat
- Dr. Rajasab Angadi Honnursab, Former Vice Chancellor, Tumkur University, Bangalore, Karnataka
- Dr. Prof. Subhash Chandra Roy, Professor, Chanakya National Law University, Patna, Bihar
- Dr. Deepti Jain, Professor and Head, School of Pharmaceutical Sciences, Rajiv Gandhi Proudhyogiki Vishwavidyalaya, Bhopal, Madhya Pradesh

I- CURRICULAR ASPECTS

- **Initiative/Innovation in Curricular design:** Revised the list of practical in M.Pharm. Semester I and II

II- TEACHING-LEARNING AND EVALUATION

Faculty completed/pursuing Ph.D: Ms. Shikha Patel, Assistant Professor, Department of Pharmaceutical Analysis is pursuing PhD under the guidance of Dr. Priti Mehta, Head, Department of Pharmaceutical Analysis, Institute of Pharmacy, Nirma University.

Activities to sustain healthy practices

- Policies for Confidentiality Agreement and Conflict of Interest

Number of faculty development programmes availed by faculty

1. Dr. Bhumika D. Patel attended AICTE sponsored STTP on “Computational Tools for Pharmaceutical Development” organised by Manipal College of Pharmaceutical Sciences, Manipal during June 28-July 03, 2021.
2. Dr. Nagja Tripathi and Dr. Nrupesh Patel attended AICTE sponsored Quality Improvement Programme on “Quality Management in the design, discovery, and development of drugs from natural and synthetic origin” organised by Manipal College of Pharmaceutical Sciences, Manipal during September 23-25, 2021 and earned 1.5 credits as delegates.
3. Dr. Udit Chaube attended e-FDP on ‘Recent Trends in Pharmaceutical Sciences’ organised by Yenepoya Pharmacy College and Research Centre, Yenepoya (Deemed to be University), Deralakatte, Mangaluru, Karnataka during January 31 to February 6, 2022.

Number of Faculty Development Programmes organised

- Institute of Pharmacy organised workshop on "Protection of Intellectual Property Rights in Pharmaceutical Sciences" from December 31, 2021 to January 1, 2022.

Invited/endowment lectures

1. Prof. Sunil Jambhekar, Professor of Pharmaceutical Sciences, LECOM School of Pharmacy, Florida, USA, delivered e-expert talk on “Two Compartment Models” to BPharm Semester- VI, MPharm Semester-II students and PhD students on April 10, 2021.
2. Dr. Anil Khatri, Consultant Pediatrician, Ahmedabad delivered an online guest lecture on "Anemia: Causes, symptoms, Diagnosis" to BPharm Semester-II students on August 21, 2021.
3. Dr. Sandeep Vasant, Registrar, Navrachana University, Vadodara delivered an online guest lecture on “21st Century Skills” in Orientation Programme to BPharm Semester I students on January 25, 2022.
4. Mr. Gaurav Brahmhatt, Head, Pharma Business, Healthcare at Home Business, Noida delivered an online guest lecture on “Goal Settings” in Orientation Programme to BPharm Semester I students on January 27, 2022.

5. Dr. Parth Vaishnav, Psychiatrist, Samvedana Happiness Hospital, Memnagar, Ahmedabad delivered an online Guest lecture on “Let’s Talk About Mental Health” in Orientation Programme to BPharm Semester I students on January 27, 2022.
6. Ms. Swapna Sai P, Amaze Image Management, Oasis Foundation, Ahmedabad delivered an online Guest lecture on “Evolve (Personality Development)” in the Orientation Programme to BPharm Semester I students on January 28, 2022.
7. Prof. S. P. Vyas, Former Vice Chancellor at Dr. Harisingh Gour Vishwavidyalaya, Sagar delivered an online Guest lecture on “Nano Drug Delivery” to BPharm, MPharm, PhD students and faculty on January 29, 2022.
8. Mr. Srinivasa Reddy M., Director Inkarp Instruments Pvt. Ltd. Mumbai delivered an online Guest lecture on “Application of High-Pressure Homogenizer in Pharma Industries” to BPharm, MPharm, PhD students, Industry persons and faculty on January 29, 2022.
9. Dr. Sanjula Baboota, Professor, School of Pharma Edu. and Research, Jamia Hamdard, New Delhi delivered an online Guest lecture on “Nanocarrier Based Drug Delivery Approach for Combinatorial Drugs for Improved Therapeutic Outcomes” to BPharm, MPharm, PhD students, Industry persons and faculty on January 29, 2022.
10. Dr. Saurabh Srivastava, Associate Professor & Head, Department of Pharmaceutics Associate Dean & Chair - Board of Studies and Research NIPER, Hyderabad delivered an online Guest lecture on “Nanomaterials: An Approach Towards Regulatory Perspective” to BPharm, MPharm, PhD students, Industry persons and faculty on January 29, 2022.
11. Dr. Vikas Jain., Associate Professor JSS College of Pharmacy, Mysuru, Karnataka India delivered an online Guest lecture on “Lipid Based Nanomedicines: Current and Future Therapeutic Interventions” to B.Pharm, M.Pharm, PhD students, Industry Persons and Faculty on January 29, 2022.
12. Dr. Namrata Jain Applications Scientist HORIBA India, New Delhi delivered an online Guest lecture on “Particle Characterization solution for Pharma” to BPharm, MPharm, PhD students, Industry persons and faculty on January 29, 2022.
13. Prof. Raj Sevak, Assistant Professor, University of the Pacific, CA, USA delivered an online Guest lecture on “Pharmacotherapy of Parkinson’s and Alzheimer’s disease” to MPharm sem- II and BPharm sem - IV, and faculty on February 03, 2022.
14. Prof. Virinder Parmar, faculty in Nanoscience at the CUNY Graduate Center and in Chemistry at Lehman College & Medgar Evers College, The City University of New York, USA delivered an online Guest lecture on “Crucial Role of Natural Products in Drug Discovery & Development” to PhD, MPharm sem II & IV, and BPharm sem IV, VI & VIII, and faculty on February 04, 2022.
15. Dr. Raghuvir R. S. Pissurlenkar, Professor, Goa College of Pharmacy, Panji delivered an online Guest lecture on "Reactions of Synthetic Importance " to BPharm sem IV, and faculty on February 10, 2022.
16. Dr. Rakesh Kumar Singh, Associate Professor, Head, Department of Pharmacology and Toxicology, National Institute of Pharmaceutical Education and Research (NIPER), Raebareli, delivered an online Guest lecture on "Yesterday’s Poison-Today Drugs " to faculty members, PhD Scholars, MPharm Sem - II & IV and BPharm Sem - VIII students on February 10, 2022.
17. Prof. Hemant Jadhav, Professor and Head, Department of Pharmacy, BITS-Pilani, delivered an online Guest lecture on "Tips to study Medicinal Chemistry Subjects Effectively" to BPharm Sem IV, and faculty on February 11, 2022.

18. Dr. Ginpreet Kaur Khurana, Associate Professor, Section Head, SVKM's Narsee Monjee Institute of Management Studies, Mumbai, delivered an online Guest lecture on "Advances in management of peptic ulcer" to faculty members, PhD Scholars and MPharm Sem - II & IV on February 11, 2022.
19. Dr. Sunilkumar B Bothra, Professor and HoD, Government College of Pharmacy, Aurangabad, delivered an online Guest lecture on "Recent Advanced in treatment of Tuberculosis " to faculty, BPharm Sem – VI and MPharm Sem - II & IV on February 14, 2022.
20. Dr. Twinkal Patel, Doctor, Social Entrepreneur Health & Social Awareness India, delivered an online Guest lecture on "Drug Abuse and Youth" to BPharm, MPharm, PhD students, Industry persons and faculty on February 15, 2022.
21. Dr. Anil Gaikwad Principal Scientist, Pharmacology, CDRI, Lucknow, delivered an online Guest lecture on "Brown and whitening adipose tissue interplay: Role of metabolic homeostasis" to Faculty members, BPharm Semester-VIII, MPharm Semester-II students on February 21, 2022.
22. Prof. Suvarn S. Kulkarni Professor, Department of Chemistry, IIT Bombay, Mumbai delivered an online Guest lecture on "Stereochemistry " to Faculty members, BPharm Sem – IV students on February 21, 2022.
23. Dr. Veda Krishnan, Scientist at IARI-ICAR, New Delhi, delivered an online Guest lecture on "Forget work-life balance: It's about the BLEND" to Faculty members, BPharm Sem – VI, VIII and MPharm Sem - II & IV students on February 22, 2022.
24. Dr. Krishnamurthy Bhat, Department of Pharmaceutical Quality Assurance, Manipal College of Pharmaceutical Sciences, Manipal, delivered an online Guest lecture on "Nanotechnology Interventions and Phytoconstituents for Better Therapeutic Potentials" to Faculty members and BPharm Sem–VIII, MPharm Sem-II & IV (Pharmaceutics) and PhD students on February 22, 2022.
25. Prof. Farhan Jalees Ahmad, Professor in Department of Pharmaceutics, School of Pharmaceutical Education & Research, Jamia Hamdard University, delivered an online Guest lecture on "Good Distribution Practices - A Key Element in Quality of End Product" to Faculty members, BPharm Sem – VI, VIII and MPharm Sem - II & IV (Pharmaceutical Analysis, Regulatory Affairs) students on February 22, 2022.
26. Dr. Alakh N Sahu, Associate Professor, Department of Pharmaceutical Engineering & Technology, IIT (BHU), Varanasi, delivered an online Guest lecture on "Standardisation and Quality Control of Herbal Drugs" to Faculty members and students of BPharm Sem–IV on February 22, 2022.
27. Dr. Rajeev Taliyan, Associate Professor, Birla Institute of Technology & Science-Pilani, delivered an online Guest lecture on "Epigenetic and Immunomodulation as an Effective Advanced Therapeutic Approach for Cancer Management" to Faculty members, BPharm Sem – VI and MPharm Sem - II & IV (Pharmacology) students on February 22, 2022.
28. Dr. N. Kannappan, Professor, Pharmaceutical Analysis, Annamalai University, Chidambaram, Tamil Nadu, delivered an online Guest lecture on "Role of Regulatory Affairs in Drug Discovery and Development " to Faculty members, BPharm Sem – VI and MPharm Sem - II & IV (Pharmaceutical Analysis, Regulatory Affairs) students on February 23,2022.
29. Prof. Suman Jain, Department of Physiology, All India Institute of Medical Sciences, New Delhi, delivered an online Guest lecture on "Physiology of Learning and Memory in Health and Alzheimer's Disease" to Faculty members, BPharm Semester – VIII and MPharm Semester - II & IV students on February 23, 2022.
30. Prof. John Intru Disouza, Professor in Pharmaceutics, Principal, SWVSM"s Tatyasaheb Kore College of Pharmacy, Warananagar, Kolhapur, delivered an online Guest lecture on "Choosing

- Statistical Tests in Pharmaceutical Research" to Faculty members and BPharm Sem–VIII, MPharm Sem-II & IV (Pharmaceutics) and PhD students on February 23, 2022.
31. Dr. N. Shankaraiah, Associate Professor and Head, Department of Medicinal Chemistry, NIPER Hyderabad, delivered an online Guest lecture on “Molecular Hybridization: A Concept Paving Way in Development of Anticancer Agents" to Faculty members, PhD Students, BPharm Sem – IV and VI students on February 23, 2022.
 32. Dr. T. M. Pramod Kumar, Dean, Faculty of Pharmacy & Principal, JSS College of Pharmacy, Mysuru, delivered an online Guest lecture on “Medical Device Regulations- History and Current approaches" to Faculty members, BPharm Sem – VIII and MPharm Sem - II & IV (Pharmaceutical Analysis, Regulatory Affairs) students on February 24, 2022.
 33. Dr. Sanjay Batra, Sr. Principal Scientist, Division of Medicinal and Process Chemistry, CDRI, Lucknow, delivered an online Guest lecture on “Strategic Advances in Medicinal Chemistry - Harnessing different approaches for Drug Discovery" to Faculty members, BPharm Sem – VIII and MPharm Sem - II & IV (Pharmaceutical Analysis, Regulatory Affairs) students on February 24, 2022.
 34. Prof. Maya P. Nair, Director, Biological Safety Division, NIH programme Certified Trainer, CDIP UNTHSC, University of North Texas Health Science Center, USA delivered an online Guest lecture on “Cell culture techniques” to Faculty members and BPharm Sem – IV students on February 24, 2022.
 35. Dr. Mukesh Nandave, Asso. Prof. & Head, Dept of Pharmacology, Delhi Pharmaceutical Sciences and Research University, New Delhi, delivered an online Guest lecture on “Role of autonomic nervous system in health and disease” to Faculty, MPharm Sem - II, BPharm Sem - IV and PhD students of Institute of Pharmacy on February 24, 2022.
 36. Dr. S. Ganguly, Professor, Department of Pharmaceutical Sciences & Technology, Birla Institute of Technology, Mesra, Ranchi, delivered an online Guest lecture on "3D QSAR- An overview" to Faculty and BPharm Sem–IV, MPharm II (Pharmacology), and PhD research scholars on February 24, 2022.
 37. Dr. Krishnapriya Mohanraj, Professor and Head, Department of Pharmaceutical Analysis, Bombay College of Pharmacy, Mumbai, delivered an online Guest lecture on "Case Studies in Impurity profiling- Structural Elucidation and Prediction of Degradation pathways" to Faculty members, BPharm Sem – VIII and MPharm Sem - II & IV (Pharmaceutical Analysis, Regulatory Affairs) students on February 25, 2022.
 38. Dr. Gaurav Kumar Jain, Associate Professor, Delhi Pharmaceutical Sciences and Research University, Delhi, delivered an online Guest lecture on "Biotechnology - A Pharmaceutical Perspective" to Faculty, BPharm Semester VI and VIII, MPharm and PhD research scholars on February 25, 2022.
 39. Prof. Sanju Nanda, Professor in Department of Pharmaceutics, Department of Pharmaceutical Sciences Maharshi Dayanand University, Rohtak, delivered an online Guest lecture on “Scientific, Aesthetic and Ethical tools in cosmetic research” to Faculty and BPharm Sem–VIII, MPharm Sem-II & IV (Pharmaceutics) and PhD research scholars on February 25, 2022.
 40. Dr. Mohana Krishna Reddy Mudiam, Senior Principal Scientist & Professor (AcSIR), Analytical & Structural Chemistry Department, CSIR-Indian Institute of Chemical Technology, Tarnaka, Uppal Road, Hyderabad, delivered an online Guest lecture on “Mass spectrometry-based metabolomics: Application in bioanalysis and food safety” to Faculty, MPharm and PhD students on February 28, 2022.

41. Dr. Krishnapriya Mohanraj, Professor and Head, Department of Pharmaceutical Analysis, Bombay College of Pharmacy, Mumbai, delivered an online Guest lecture on "Case Studies in Impurity profiling- Structural Elucidation and Prediction of Degradation pathways" to Faculty members, BPharm Sem – VIII and MPharm Sem - II & IV (Pharmaceutical Analysis, Regulatory Affairs) students on February 25, 2022.
42. Prof. Anil Jindal, Associate Professor, Department of Pharmacy, Birla Institute of Technology and Science (BITS) Pilani, Rajasthan, delivered an online Guest lecture on "Use of Physiological based pharmacokinetic modeling (PBPK) for the pharmaceutical product development" to Faculty and MPharm and PhD research scholars on March 03, 2022.
43. Prof. Srinivas Mutalik, Professor & Head, Department of Pharmaceutics, Manipal College of Pharmaceutical Sciences, Manipal, delivered an online Guest lecture on "New avenues in Dendrimers and Liposome based Drug Delivery Systems" to faculty members, MPharm and PhD research scholars on March 04, 2022.
44. Dr. Atish T. Paul, Associate Professor, Department of Pharmacy, Birla Institute of Technology and Science, Pilani, delivered an online Guest lecture on "Understanding the Role of Natural Products Chemistry in Drug Discovery Process" to Faculty members and students of BPharm Sem IV, VI and VIII, MPharm II & IV and PhD scholars on March 08, 2022.
45. Mr. Ujjawal Jaiswal, Chief Instructor, Rushiraj Karate Kungfu Federation, Ahmedabad, delivered an online Guest lecture on "Self-defense for Girl students" to Faculty members and Girl students of BPharm Sem - I, MPharm Sem - II and full-time PhD scholars (2021 batch) on March 10, 2022.
46. Prof. Anil M. Pethe, Professor & Dean, Datta Meghe College of Pharmacy, Datta Meghe Institute of Medical Sciences Deemed University, Wardha, Nagpur, delivered an online Guest lecture on "Novel Technologies in Healthcare Research" to faculty members, BPharm (Sem VIII), MPharm (Pharmaceutics) and PhD research scholars on March 10, 2022.
47. Dr. Biswajit Mukharjee, Professor, Pharmaceutics, Jadavpur University, delivered an online Guest lecture on "Drug Targeting with Nano-formulations" to faculty members, MPharm and PhD research scholars on March 05, 2022.
48. Dr. Gowthamarajan Kuppusamy, Professor and Head, Department of Pharmaceutics, JSS College of Pharmacy Ooty, delivered an online Guest lecture on "Personalised Medicines for Future Pharmaceuticals" to all faculty members, MPharm and PhD research scholars on March 05, 2022.
49. Ms. Nafisa Barot, Founder Director of Utthan, and recipient of the International Water Association's Women in Water Award, 2020, delivered an online Guest lecture on "Towards Integrating Gender Equality" to faculty members, MPharm and PhD research scholars on March 08, 2022.

Expert Lecture organised under UG Research

1. Online expert session of Dr. Ketan R. Patel, Chairman & Managing Director, Troikaa Pharmaceuticals Ltd, Ahmedabad was organised on "Handbook for Innovators" on September 18, 2021 under UG Research council.

III.- RESEARCH, CONSULTANCY AND EXTENSION

Research Projects

Major Research Project funded by External Agencies:

Financial Year	Completed		Ongoing		Sanctioned	
	Number	Amount (Rs in lacs)	Number	Amount (Rs in lacs)	Number	Amount (Rs in lacs)
2021-22	1	20.82	2	36.81	5	105.02
2020-21	2	62.78	2	105.82	2	35.02

Major Research Projects funded by Nirma University:

Financial Year	Ongoing		Sanctioned	
	Number	Amount (Rs in lacs)	Number	Amount (Rs in lacs)
2021-22	1	30.00	1	30.00
2020-21	1	30.00	-	-

Minor Research Project funded by Nirma University:

Financial Year	Completed		Ongoing		Sanctioned	
	Number	Amount (Rs in lacs)	Number	Amount (Rs in lacs)	Number	Amount (Rs in lacs)
2021-22	5	5.80	5	5.80	5	5.80
2020-21	8	9.0	6	5.0	6	5.00

Completed Major Research Projects

Sr. No.	Title of the Project	Project Investigator/s	Funding Agency	Grant (In Rs.)
1	Evaluation of DNA Polymerase Inhibitors for the Treatment of Alzheimer's Disease.	Prof. Jigna Shah	Gujarat State Biotechnology Mission (GSBTM)	20,81,920/-
Total				20,81,920/-

Ongoing Major Research Projects

Sr. No.	Title of the Project	Project Investigator/s	Funding Agency	Grant (In Rs.)
1	Effect Of Oryzanol On Immunity In Healthy Volunteers.	Prof. Shital Panchal & Prof. Charmy Kothari	AP Organics Pvt Ltd	25,01,000/-
2	Development and Evaluation of PH Responsive Multi-Modal Delivery Platform in the Treatment of Oral Cancer.	Prof. Tejal Mehta, Prof. Jigna Shah, Prof. Heena V. Dave	Nirma University	30,00,000/-

3	Bioavailability Enhancement Through A Novel Formulation Of Gamma-Oryzanol.	Prof. Shital Panchal & Prof. Charmy Kothari	AP Organics Pvt Ltd	11,80,000/-
Total Grant				66,81,000/-

Sanctioned Major Research Projects

Sr. No.	Title of the Project	Project Investigator/s	Funding Agency	Grant (in Rs.)
1	Evaluating Oral Cancer Lesions Using Quantitative Ultrasound And Elasticity Imaging.	Prof. Bhoomika Patel & Dr. Karla P. Mercado-Shekhar & Dr. Rakesh Rawal & Dr. Jayesh Patel(In collaboration with Indian Institute of Technology, Gandhinagar, Gujarat University & Bharat Cancer Hospital & research Center)	Gujarat State Biotechnology Mission (GSBTM)	4,65,560/-
2	Repositioning Doxycycline As Anti-Cancer Therapy And Exploring Its Synergy With Extracellular Atp Manipulation In Breast Cancer: Pre-Clinical And Early Clinical Exploration.	Prof. Jigna Shah & Dr. Reena Rajput, Dr. Heena Dave & Dr. Chirag Desai (In collaboration with the Institute of Advanced Research, Institute of Science, Nirma University, HOC Vedanta Medical Center)	Gujarat State Biotechnology Mission (GSBTM)	5,59,000/-
3	Development Of A Novel Synthetic Derivative For The Treatment Of Diabetes Taking Tyrosine Kinase Inhibitors As A Lead.	Prof. Snehal Patel & Prof. Manjunath Ghate	Indian Council of Medical Research	46,32,410/-
4	Development Of Point Of Care Nano Sensor For Diagnosis Of Vitamins And Minerals.	Prof. Charmy Kothari & Prof. Shital Panchal & Dr. Jayraj Sarvaiya (In Collaboration with National Forensic Science University, Gandhinagar)	Department of Science & Technology	22,20,526/-
5	Safety Evaluation Of Novel Curcumin Complex.	Prof. Shital Panchal	Probiotic Smart LLC USA	26,25,000/-
6	Exploring Heterocyclic Scaffolds As Telomerase Inhibitors For The Treatment Of Cancer	Prof. Hardik Bhatt & Dr. Vivek Vyas & Dr. Bhumika Patel	Nirma University	30,00,000/-
Total Grant				1,35,02,496/-

Sanctioned, Ongoing and Completed Minor Research Projects during the Year

Sr. No.	Title of the Project	Project Investigator/s	Funding Agency	Grant (in Rs.)
1	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/-
2	Development And Optimization Of Multi-Particulate System For Nasal Drug Delivery.	Prof. Mohit Shah & Prof. Dhaivat Parikh	Nirma University	1,00,000/-
3	Standardization Of Brahma Rasayana: An Ayurvedic Polyherbal Formulation.	Prof. Dipal Gandhi	Nirma University	1,00,000/-
4	Pharmacological Evaluation Of Olsalazine In The Treatment Of Breast Cancer: Understanding Molecular Pathways And Associated Mechanisms.	Prof. Snehal Patel	Nirma University	1,00,000/-
5	Design, Synthesis And Biological Screening Of Some Novel Casein Kinase-Ii Inhibitors As Anticancer Agents.	Prof. Vivek Vyas	Nirma University	2,00,000/-
Total Grant				5,80,000/-

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
2021-22	06	50700	09	800/-
2020-21	0	0	0	0

Numbers of Publications

International/National: 74 (73+01)

Dissertation abstract: 27 UG Dissertations and 57 PG Dissertations

PhD Thesis Submitted: 29

Awards and Recognitions (Institute/Department/Faculty)

Sr. No.	Title of the Innovation	Name of the Awardee	Name of the Awarding Agency
1	Selected among world's top 2% scientist	Dr. Mayur Patel	Standford University
2	Selected among world's top 2% scientist	Dr. Bhoomika Patel	Standford University
3	Selected among world's top 2% scientist	Dr. Snehal Patel	Standford University
4	Oral presentation on "Beneficial Role of Ezetimib in Cardiac Cachexia in Animal Model of Mice" during APP 10 th Annual	Dr. Bhoomika Patel	Vels University, Chennai

	Virtual International Convention 'CUPDTSPER-2021'		
5	APTI young Pharmacy Teacher of the Year Award	Dr. Bhoomika Patel	APTI
6	7 th Venus International Women Awards – VIWA 2022 as Outstanding Woman Researcher in Pharmacology in the discipline of Health and Medical Sciences	Dr. Bhagawati Saxena	Venus International Foundation

Ongoing Research Collaborations/New Collaborations

- Dr. Charmy Kothari, Associate Professor, Department of Pharmaceutical Analysis, Institute of Pharmacy, Nirma University received Major research project grant on “Development of Point of Care Nanosensor for diagnosis of Vitamins and Minerals” in collaboration with National Forensic Science University, Gandhinagar worth Rs. 41,41,198/- (22,20,526/- for IPNU) from Department of Science and Technology, Government of India, New Delhi for the duration of 1.6 years from March 2022 to September 2023. Dr. Shital Panchal is the Co-Investigator in this project.
- Dr. Bhoomika M. Patel is working as co-investigator along with Dr. Karla Shekhar, IIT Gandhinagar, (Principal Investigator) for Major Research project entitled “Evaluating oral cancer lesions using quantitative ultrasound and elasticity imaging” worth Rs. 26,80,080/- for the duration of three years (2021-2024) from Gujarat State Biotechnology Mission (GSBTM).
- Dr. Snehal Patel as Principal Investigator and Prof. Manjunath Ghate, and Dr. Palak Parikh from L. M. College of Pharmacy as co-Investigators received a Major Research Project grant entitled “Development of a novel synthetic derivative for the treatment of diabetes taking tyrosine kinase inhibitors as a lead” worth Rs. 46,32,410 Lakh from Department of Health Research, ICMR, New Delhi.

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

Sr. No.	Name of faculty (Chief Consultant)	Name of Client Organisation	Title of Consultancy of project	Total Amount	Amount received (in Rupees)
1	Dr. Shital Butani and Dr. Tejal Mehta	Strassenburg Pharamceutical Ltd., Kolkata	Development of Nasal and Oral spray	11,80,000	6,77,900
2	Dr. Jigna Shah, Dr. Snehal Patel	J. Dave	Evaluation of SGLT2 inhibitors for diabetic complications	1,00,000	50,000
3	Dr. Shital Panchal, Dr. Charmy Kothari	Probiotic Smart LLC, USA	Bioavailability of study Curcumin Complex	100000	96847

4	Dr. Jignasa Savjani	Topia Technologies Limited	Artificial Intelligence in Drug Discovery	10,00,000	1,23,000
5	Dr. Snehal Patel	Unjha Ayurvedic Pharmacy	Acute toxicity study of herbomineral formulations	70800	70800
6	Dr. Niyati Acharya	Department of Botany Shri Govind Guru Government College, Banswara	Preliminary phytochemical analysis	9440	9440
7	Dr. Niyati Acharya	Department of Botany Shri Govind Guru Government College, Banswara	Evaluation of antimicrobial activities	14160	14160
8	Dr. Niyati Acharya	Ashray Foundation, Ahmedabad	Formulation development	47200	25000

Summary of the Research Publications in financial year

Financial Year	National Journal			International Journal		
	Number of papers published	Number of papers considered for calculation of average impact factor	Average impact factor	Number of papers published	Number of papers considered for calculation of average impact factor	Average impact factor
2021-22	01	01	0.818	73	67	4.202
2020-21	06	01	0.425	55	49	3.65

Details of Research Publications

List of Publications (International) with IF

1. Hardik G. Bhatt, Dilip G. Maheshwari, Paresh Patel. Discovery of HIV-I protease inhibitors: Pharmacophore mapping, Virtual Screening, Docking, and In Silico Pharmacokinetic and Toxicities Prediction, International Journal of PharmTech Research, 14. 39-50. January-March 2021.
2. Shery Jacob, Anroop Nair, Jigar Shah. Emerging role of hydrogels in drug delivery systems, tissue engineering and wound management. Pharmaceutics, MDPI, 13,357, March 2021, IF: 4.421

3. Hiral Shah, Jigar Shah, Anroop Nair. Proniosomal vesicles as an effective strategy to optimize naproxen transdermal delivery, *Journal of Drug Delivery Science & Technology*, 63, 102479, March 2021, IF: 2.734
4. Anroop Nair, Jigar Shah, Shery Jacob. Experimental design, formulation and in vivo evaluation of a novel topical in situ gel system to treat ocular infections , *PLOS ONE*, 16, 1-18, March 2021, IF: 2.74
5. Harsh S.Amin, Palak K.Parikh, Manjunath D. Ghate. Medicinal chemistry strategies for the development of phosphodiesterase 10A (PDE10A) inhibitors - An update of recent progress, *European Journal of Medicinal Chemistry*, 214, 113155, March 2021, IF: 6.514
6. Piyush Gediya, Palak K. Parikh, Vivek K. Vyas, Manjunath D. Ghate. Histone deacetylase 2: A potential therapeutic target for cancer and neurodegenerative disorders *European Journal of Medicinal Chemistry*, 216, 113332, April 2021, IF: 6.514
7. Piyush Gediya, Vivek K. Vyas, Vincenzo Carafa, Nikum Sitwala, Laura Della Torre, Angelita Poziello, Takashi Kurohara, Takayoshi Suzuki, Vinod Sanna, Varalakshmi Raguraman, K. Suthindhiran, Debarpan Ghosh Dhiraj Bhatia, Lucia Altucci, Manjunath D. Ghate. Discovery of novel tetrahydrobenzo[b]thiophene-3-carbonitriles as histone deacetylase inhibitors, *Bioorganic Chemistry*, 110, 104801, May 2021, IF: 5.275
8. Viral Shah, Ameer Jobanputra, Bhagawati Saxena, Manish Nivsarkar. Development and Characterization of Saturated Fatty Acid-Engineered, Silica-Coated Lipid Vesicular System for Effective Oral Delivery of Alfa-Choriogonadotropin. *AAPS PharmSciTech* . 22 (3), 118, April 2021, IF: 3.246
9. Paresh Patel, Hardik G. Bhatt. Improved 3D-QSAR Prediction by Multiple-Conformational Alignments and Molecular Docking Studies to Design and Discover HIV-I Protease Inhibitors, *Current HIV Research*, 19, 154-171, March 2021, IF: 0.802
10. Darshna M. Joshi, Jignesh Patel, Hardik Bhatt. In silico study to quantify the effect of exercise on surface GLUT4 translocation in diabetes management, *Network Modeling Analysis in Health Informatics and Bioinformatics*, 10, 1-12 December 2021
11. Vikas Rathore, Divyesh Patel, Shital Butani, Sudhir Kumar Nema. Investigation of Physicochemical Properties of Plasma Activated Water and its Bactericidal Efficacy, *Plasma Chemistry and Plasma Processing*, 41 (3), 871-902, March 2021, IF: 2.178
12. Hiral Shah, Anroop Niar, Jigar Shah. Proniosomal vesicles as an effective strategy to optimize naproxen transdermal delivery, *Journal of Drug Delivery Science and Technology*, 63, 102479, March-April 2021, IF: 2.734
13. Sunita Chaudhary, Anroop Nair, Jigar Shah. Enhanced solubility and bioavailability of dolutegravir by solid dispersion method: In vitro and in vivo evaluation - A potential approach for HIV therapy, *AAPS PharmSciTech*, 22, 1-12 April 2021, IF: 2.401
14. Anroop Nair, Jigar Shah. Clarithromycin solid lipid nanoparticles for topical ocular therapy: Optimization, evaluation and in vivo studies, *Pharmaceutics*, 13, 1-24, April 2021, IF: 4.421
15. Nisha Parikh, Charmy Kothari. Novel Reverse-Phase High-Performance Liquid Chromatography (RP-HPLC) Method for the Quantification of Apigenin in *Ocimum basilicum* Linn Seeds (Tukmaria) *Current Analytical Chemistry*, 17 (4), 528-535, March 2021, IF: 1.365
16. Khushboo Faldu, Snehal Patel, Jigna Shah. *Celastrus paniculatus* oil ameliorates synaptic plasticity in a rat model of attention deficit hyperactivity disorder, *Asian Pacific Journal of Tropical Biomedicine*, 11(3), 105-114, November 2021, IF: 1.93

17. Ruju Vashi, Bhoomika M. Patel Roles of ARF tumour suppressor protein in lung cancer: time to hit the nail on the head! *Molecular and Cellular Biochemistry*, 476, 1365–1375, March 2021, IF: 2.795
18. Ruju Vashi, Bhoomika M. Patel, Ramesh K. Goyal. Keeping abreast about ashwagandha in breast cancer, *Journal of Ethnopharmacology*, 269, 113759, April 2021, IF: 3.69
19. Vishnu N. Thakare, Sameer H. Lakade, Moreshwar P. Mahajan, Yogesh P. Kulkarni, Valmik D. Dhakane, Minal T. Harde, Bhoomika M. Patel. Protocatechuic acid attenuates chronic unpredictable mild stress induced-behavioral and biochemical alterations in mice, *European Journal of Pharmacology*, 898, 173992, May 2021, IF: 3.263
20. Vivek Bora, Bhoomika M. Patel. Investigation into the role of anti-diabetic agents in cachexia associated with metastatic cancer. *Life Sciences*, 274, 119329, June 2021, IF: 3.647
21. Karmani Shah, Shivangi Panchal, Bhumika Patel. "Porcupine inhibitors: Novel and emerging anti-cancer therapeutics targeting the Wnt signaling pathway" *Pharmacological Research*, 167, 105532, March 2021, IF: 5.893
22. Anroop Nair, Jigar Shah, Shery Jacob, Development of Mucoadhesive Buccal Film of Rizatriptan: In Vitro and In Vivo Evaluation, *Pharmaceutics*, 13, 728, May 2021, IF: 4.421
23. Vimal Patel, Jigar Shah. The current and future aspects of glioblastoma: Immunotherapy a new hope? *European Journal of Neuroscience*, 01, 1-23, June 2021, IF: 3.386
24. Jeetprakash Barot, Bhagawati Saxena. Therapeutic effects of eugenol in a rat model of traumatic brain injury: A behavioral, biochemical, and histological study, *Journal of Traditional and Complementary Medicine*, 11, 318-327, July 2021.
25. Vikas Rathore, Divyesh Patel, Niyati Shah, Shital Butani, Harikrishna Pansuriya, Sudhir Kumar Nema, Inactivation of *Candida albicans* and Lemon (*Citrus limon*) Spoilage Fungi Using Plasma Activated Water, *Plasma Chemistry and Plasma Processing*, 41(6), June 2021, IF: 2.178
26. Snehal S Patel Efonidipine exerts cerebroprotective effect by down regulation of TGF- β /SMAD-2 dependent signaling pathway in diabetic rats, *Journal of Molecular Neuroscience*, 30, May 2021, IF: 2.678
27. Abu Sufiyan Chhipa, Snehal Patel. Targeting pyruvate kinase muscle isoform 2 (PKM2) in cancer: What do we know so far?, *Life Sciences*, 280, 119694, June 2021, IF: 3.547
28. Nimitt V. Chokshi, Shruti Rawal, Dhruvi Solanki, Saumitra Gajjar, Vivek Bora, Bhoomika M. Patel, Mayur M. Patel. Fabrication and Characterization of Surface Engineered Rifampicin Loaded Lipid Nanoparticulate Systems for the potential treatment of Tuberculosis: An In vitro and In vivo Evaluation, *Journal of Pharmaceutical Sciences*, 110, 2221–2232, May 2021, IF: 3.534
29. Amit Chivate, Atul Garkal, Kartik Hariharan, Tejal Mehta Exploring novel carrier for improving bioavailability of Itraconazole: Solid dispersion through hot-melt extrusion, *Journal of Drug Delivery Science and Technology*, 63, 102541, June 2021, IF: 3.981
30. Abhijeet Pandey, Ajinkya Nitin Nikam, Bharath Singh Padya, Sanjay Kulkarni, Gasper Fernandes, Ajjappla Basavaraj Shreya, Mónica C García, Carlos Caro, Jose Maria Páez-Muñoz, Namdev Dhas, Maria Luisa García-Martín, Tejal Mehta, Srinivas Mutalik Surface architected black phosphorous nanoconstructs based smart and versatile platform for cancer theranostics, *Coordination Chemistry Reviews*, 435, 213826, May 2021, IF: 22.315
31. Namdev Dhas, Ritu Kudarha, Abhijeet Pandey, Ajinkya N Nikam, Shilpa Sharma, Ashutosh Singh, Atul Garkal, Kartik Hariharan, Amanpreet Singh, Priyanka Bangar, Dattatray Yadhav, Dhairav Parikh, Krutika Sawant, Srinivas Mutalik, Neha Garg, Tejal Mehta. Stimuli responsive and receptor targeted iron oxide based nanoplatfoms for multimodal therapy and imaging of cancer:

- Conjugation chemistry and alternative therapeutic strategies. *Journal of Controlled Release*, 333, 188-245, May 2021, IF: 9.776
32. Shruti Rawal, Mayur Patel. Bio-Nanocarriers for Lung Cancer Management: Befriending the Barriers and Micro Letters, *13*, 142, June 2021, IF: 16.419
 33. Vimal Patel, Vishal Chavda, Jigar Shah. Nanotherapeutics in Neuropathologies: Obstacles, Challenges and Recent Advancements in CNS Targeted Drug Delivery Systems. *Current Neuropharmacology*, 19, 693-710, April, 2021, IF: 7.363
 34. Bhoomi Arora, Banshi D. Saboo, Snehal Patel. Prevalence of hypertension, prediabetes, lipid abnormality and vitamin D deficiency among ahmedabad population, *International Journal of Current Medical and Pharmaceutical Research*, 7, 5702-5707, April 2021
 35. Amit Chivate, Atul Garkal, Namdev Dhas, Tejal Mehta. Three-dimensional printing by hot-melt extrusion; new era for development of personalized medicines and continuous manufacturing of pharmaceuticals, *International Journal of Pharmaceutical Investigation*, 10, 233-236, October 2021, IF: 0.6
 36. Vivek Bora, Bhoomika M. Patel. The Deadly Duo of COVID-19 and Cancer, *Frontiers in Molecular Biosciences*, 8, 643004, April 2021, IF: 5.246
 37. Bhoomika Patel, Supriya Sharma, Nisha Nair, Jaseela Majeed, Ramesh K. Goyal, Mahaveer Dhobi. Therapeutic opportunities of edible antiviral plants for COVID-19. *Molecular and Cellular Biochemistry*, 476, 2345–2364, 2021, June, IF: 3.282
 38. Ruju Vashi, Bhoomika M. Patel. NRF2 in Cardiovascular Diseases: a Ray of Hope! *Journal of Cardiovascular Translational Research*, 14, 573-586, June 2021, IF: 4.132
 39. Chirag C. Mehta, Hardik G. Bhatt, Tankyrase inhibitors as antitumor agents: a patent update (2013 - 2020), *Expert Opinion on Therapeutic Patent*, 31, 645-661, July 2021, IF: 6.674
 40. Preeti D. Verma, Dipal M. Gandhi and Bhanubhai N. Suhagia. Development of Validated High-Performance Thin-Layer Chromatography Densitometric Method for Quantification of Quercetin In *Capparis Decidua* EDGEW. STEM, *International Journal of Pharmaceutical Sciences and Research*, 12, 3243-3248, June 2021
 41. Vishalgiri G Goswami, Bhumika D Patel. Recent updates on Wnt signaling modulators: a patent review (2014-2020), *Expert Opin Ther Pat*, 31,1009-1043, August 2021, IF: 6.674
 42. Shikha Patel, Bhagawati Saxena and Priti Mehta, Therapeutic Monoclonal Antibodies Targeting Cytokine Storm: Inclusion as a Future Treatment for the Severe Cases of COVID-19, *Journal of Cytokine Biology*, 6, 41, July 2021
 43. Amarjitsing Rajput and Shital Butani, Donepezil HCl Liposomes: Development, Characterization, Cytotoxicity, and Pharmacokinetic Study, *AAPS PharmSciTech*, 23 (2), 74-80, February 2022, IF: 3.246
 44. Vishal Chavda , Vimal Patel, Snehal Patel. Investigation of Neuroprotective Potential of Anti-Diabetic Agents in Ischemic Brain Proteomics Through In-Silico Molecular Simulation Studies, *Biointerface Research in Applied Chemistry*, 12, 4293 – 4306, October 2021, IF: 0.87
 45. Chavda V, Patel S, Alghamdi BS, Ashraf GM, Endothelin-1 induced global ischaemia in adult zebrafish: A model with novel entity of stroke research, *Journal of Chemical Neuroanatomy*, 118, 102025, December 2021, IF: 3.052
 46. Jagruti V. Kolhe, Abu Suiyan Chhipa, Shital Butani, Vishal Chavda, Snehal S. Patel. PCOS and Depression: Common Links and Potential Targets, *Reproductive Sciences*, 12, 765-772, October 2021, IF: 3.06

47. Deepa S. Mandlik, Satish K. Mandlik, Snehal Patel. Protective effect of sarsasapogenin in TNBS induced ulcerative colitis in rats associated with downregulation of pro-inflammatory mediators and oxidative stress, *Immunopharmacology and Immunotoxicology*, 43, 571-583, October 2021
48. Deepa S. Mandlik, Satish K. Mandlik, Snehal Patel. Sarsasapogenin and fluticasone combination improves DNFB induced atopic dermatitis lesions in BALB/c mice, *Immunopharmacology and Immunotoxicology*, 43, 767-777, September 2021, IF: 1.2
49. Vivek Bora, Dhvani Patel, Kaid Johar, Ramesh K. Goyal, Bhoomika M. Patel, Systemic study of selected HDAC inhibitors in cardiac complications associated with cancer cachexia, *Canadian Journal of Physiology and Pharmacology*, 100, 240-251, February 2022, IF: 2.273
50. Vivek Bora, Bhoomika Patel. Cardiac Complications: The Understudied Aspect of Cancer Cachexia, *Cardiovascular Toxicology*, 22, 254 – 267, February 2022, IF: 3.239
51. Sandeep Dahiya, Ketan Savjani, Jignasa Savjani "Development, Characterization, and Optimization of a Novel Abiraterone Acetate Formulation to Improve Biopharmaceutical Attributes Aided by Pharmacokinetic Modelling, *AAPS pharmSciTech*, 23, 1-13, January 2022 IF:3.246
52. Jignasa Savjani, Bhavesh Variya, Snehal Patel, Suja Mulamkattil, Harsh Amin, Shital Butani, Ahmed Allam, Jamaan Ajarem and Harsh Shah" Drug Design, Synthesis and Biological Evaluation of Heterocyclic Molecules as Anti-Inflammatory Agents, *Molecules*, 27, 1-16, February 2022, IF: 4.412
53. Vimal Patel, Jigar Shah, Ajay Kumar Gupta, Design and In-silico study of bioimaging fluorescence Graphene quantum dot-Bovine serum albumin complex synthesized by diimide-activated amidation, *Computational Biology and Chemistry*, 93, 107543, August 2021, IF: 2.877
54. Shery J, Anroop BN, Sai HSB, Bapi G, N Sreeharsha, Jigar Shah, An Updated Overview on Emerging Role of Patch and Film based Buccal Delivery Systems, *Pharmaceutics (MDPI)*, 13, 206, August 2021, IF: 6.321
55. Rahil D, Jigar Shah, Bapi G, Hira G, Shery J, Tejal M, Hiral S, Anroop BN. Development and optimization of asenapine sublingual film using QbD approach, *AAPS PharmSciTech*, 22, 244, October 2021, IF: 3.246
56. Anroop BN, Bandar EA, Jigar Shah. Constant voltage iontophoresis technique to deliver terbinafine via transungual delivery system: formulation optimization using Box-Behnken design and in vitro evaluation, *Pharmaceutics*, 13, 1692, October 2021, IF: 6.321
57. Mansi Bhanderi, Jigar Shah, Optimized Rivastigmine Nanoparticles Coated with Eudragit for Intranasal Application to Brain Delivery: Evaluation and Nasal Ciliotoxicity Studies, *Materials*, 14, 6291, October 2021, IF: 3.623
58. Anroop BN, Bhavna S, Jigar Shah, Shery J. Formulation and Evaluation of Self - Nanoemulsifying Drug Delivery System Derived Tablet Containing Sertraline, *Pharmaceutics*, 14, 36, January 2022, IF: 6.321
59. Shery J, Anroop BN, Jigar Shah, Lipid Nanoparticles as a Promising Drug Delivery Carrier for Topical Ocular Therapy; An Overview on Recent Advances, *Pharmaceutics*, 14, 533, February 2022, IF: 6.321
60. Darshna M. Joshi, Jignesh Patel, Hardik Bhatt, Robust Adaptation of PKC ζ -IRS1 Insulin signaling pathways through Integral Feedback control, *Biomedical Physics & Engineering Express*, 7, 55013, September 2021
61. Mital Patel, Charmy Kothari, A Comprehensive Stability Study of Vardenafil Using Quality by Design Approach *Chromatographia*, 84 (8), 751–767, August 2021, IF: 2.004

62. Manan Shah, Charmy Kothari. Comparative safety assessment study for Drospirenone induced Gallbladder diseases using Adverse Drug Reaction Database of USA, Europe and Canada, *Current Drug Safety*, 16(3), 272-277 November 2021
63. Hiren Dayani, Abhishek Jha, Manjunath Ghate, Vivek K. Vyas. Synthesis and In Vitro Evaluation of Substituted Quinolines as New Apoptosis Inducers and Anticancer Agents: Pharmacophore-based Design, *Letters in Drug Design & Discovery*, 18, 1050-1060, July 2021, IF: 1.15
64. Ankitkumar Patel, Hardik Bhatt, Bhumika Patel Structural insights on 2-phenylquinazolin-4-one derivatives as tankyrase inhibitors through CoMFA, CoMSIA, topomer CoMFA and HQSAR studies, *Journal of Molecular Structure*, 1249, 131636, February 2022, IF: 3.196
65. Vandit Shah, Jigna Shah, Restoring Ravaged Heart: Molecular Mechanisms and Clinical Application of miRNA in Heart Regeneration, *Front. Cardiovasc. Med.*, 9, 835138, February 2022, IF: 6.05
66. Pankti Patel, Jigna Shah, Protective effects of hesperidin through attenuation of Ki67 expression against DMBA-induced breast cancer in female rats. *Life Sciences*, 285, 119957, September 2021, IF: 5.03
67. Harsh S. Shah, Ankit Gotecha, Dolly Jetha, Amarjitsing Rajput, Aditi Bariya, Shital Panchal and Shital Butani "Gamma oryzanol niosomal gel for skin cancer: formulation and optimization using quality by design (QbD) approach, *AAPS Open*, 7, 9, December 2021.
68. Mansi Shah, Nrupesh Patel, Nagja Tripathi, Vivek K. Vyas. Capillary electrophoresis methods for impurity profiling of drugs: A review of the past decade, *Journal of Pharmaceutical Analysis*, 12, 15-28, February 2022, IF: 4.76
69. Khushali Parekh, Kartik Hariharan, Zhi Qu, Prarthana Rewatkar, Yuxue Cao, Md. Moniruzzaman, Preeti Pandey, Amirali Popat, Tejal Mehta, Tacrolimus encapsulated mesoporous silica nanoparticles embedded hydrogel for the treatment of atopic dermatitis, *International Journal of Pharmaceutics* 608, 121079, October 2021, IF: 5.875
70. Manisha Lalan, Pranav Shah, Kalyani Barve, Khushali Parekh, Tejal Mehta and Priya Patel, Skin cancer therapeutics: nano-drug delivery vectors—present and beyond, *Future Journal of Pharmaceutical sciences*, 7, 1-25, 179 August 2021
71. Vivek Bora, Bhoomika Patel. Cardiac Complications: The Understudied Aspect of Cancer Cachexia, *Cardiovascular Toxicology*, 22, 254 – 267, February 2022, IF: 3.239
72. Vivek Bora, Dhvani Patel, Kaid Johar, Ramesh K. Goyal, Bhoomika M. Patel. Systemic study of selected HDAC inhibitors in cardiac complications associated with cancer cachexia, *Canadian Journal of Physiology and Pharmacology*, 100, 240-251, March 2022, IF: 2.273
73. Tripti Halder, Bharat Patel, Niyati Acharya. Design and optimization of myricetin encapsulated nanostructured lipid carriers: In-vivo assessment against cognitive impairment in amyloid beta (1–42) intoxicated rats, *Life sciences*, 297, 120479, March 2022, IF: 5.037

List of Publications (National) with IF/referred papers

1. Yash S. Patel, Bhoomika M. Patel, Secoisolariciresinol diglucoside lignan concentrate of flaxseeds exhibits chemoprotective role in non-melanoma skin cancer through inhibition of CDK4 and upregulation of p53, *Indian Journal of Experimental Biology*, 58, 688-696, October 2021, IF: 0.818

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

Sr. No.	Name of the Faculty	Name of the Book	Name of Publishing House	ISBN	Month	Year of Publication
1	Bhoomika M. Patel	Text-book of Physiology for Physiotherapy	B. S. Shah Prakashan	81-8416-00-X	July	2021

Book Chapters

Sr. No.	Name of the Faculty Member	Name of the Book	Name of the book chapter	Name of the Publisher	ISBN Number	Month	Year
1	Bhoomika Patel	Nutraceuticals for Aging and Anti-Aging, Basic Understanding and Clinical Evidence	Skeletomuscular losses in Aging and Nutraceuticals	CRC Press (Taylor & Francis Group)	9780367614942	November	2021
2	Jigar Shah	Handbook of Lung Targeted Drug Delivery Systems: Recent Trends and Clinical Evidences	Devices for Dry Powder Drug Delivery to the Lung	CRC Press (Taylor & Francis Group)	9780367490676	October	2021
3	Prof. Tejal A. Mehta, Dr. Dhairvat C. Parikh	Nanotechnology in Medicine: Toxicity and Safety	Toxicity of Metallic Nanoparticles: A Pressing Issue	Wiley-Blackwell John Wiley and Sons	Print 9781119769866 Online 9781119769897	October	2021
4	Vandit Shah, Jigna Shah	Handbook of Lung Targeted Drug Delivery Systems	Nanoparticle-Based Lung Drug Delivery: A Clinical Perspective	CRC PRESS	eISSN 9781003046547	October	2021
5	Srijan Mishra, Jigna Shah	Handbook of Lung Targeted Drug Delivery Systems	Sub-chronic Inhalational Toxicity Studies for Gold Nanoparticles	CRC PRESS	eISSN 9781003046547	October	2021
6	Humera Memon, Vandit Shah, Tejal Mehta, Jigna Shah	Handbook of Lung Targeted Drug Delivery Systems	Safety and Toxicological Concerns Related to Nanoparticle-Based Lung Delivery	CRC PRESS	eISSN 9781003046547	October	2021

7	Tripti Halder, Priti Mehta, Niyati Acharya	Nutraceuticals for Aging and Anti-Aging: Basic Understanding and Clinical Evidence	Trends in the Functional Food Market and Nutraceutical Product Development	CRC Press, Taylor & Francis Group, USA	9780367614942	November	2021
8	Niyati Acharya, Vijay Kothari, Bharat Patel	Wound Healing Research.	Mainstreaming Traditional Practices for Wound Management	Springer, Singapore	978-981-16-2676-0, Online ISBN 978-981-16-2677-7	August	2021
9	Dr. Dipal Gandhi	Handbook of Space Pharmaceuticals	Nutraceuticals for Reducing Radiation Effects During Space Travel	Springer Nature Switzerland AG 2022	978-3-319-50909-9	December	2021
10	Bhagawati Saxena	Complementary Therapies	The role of Complementary and Alternative Medicines in the treatment and management of COVID-19	IntechOpen, london	978-1-83969-012-9	October	2021
11	Bhagawati Saxena	Recent Advances in Pharmaceutical Sciences	Involvement of Toll like receptors in Traumatic Brain Injury	Inare Academic Sciences Pvt Ltd.	978-81-928286-7-1	July	2021

Patents

Name of the Faculty Member	Title of the Patent	Patent filed in which Country	Year of Patent filing	Current status of the Patent
Dr. Bhagawati Saxena	A Herbal Mosquito repellent Composition	Australia	2021	Granted
Mr. Mohit Shah, Dr. Tejal Mehta, and Prof. Avani Amin	Pharmaceutical Composition for Transdermal Delivery	India	2012	Granted (Patent No. 373328)

Revenue generated in

Financial Year	Institute	Consultancy	Testing	Training
2021-22	IPNU		Rs. 1375132.84/-	
2020-21	IPNU		Rs. 1873745.00/-	

Extension Activities/Community services by Institute/Department

Sr. No.	Type of Activity conducted	Dates	Participants
1	Fit India Freedom Run	13-Aug-21	NSS Volunteers
2	Rashtragaan - Sing the National Anthem	15-Aug-21	NSS Volunteers
3	Hindi Diwas Celebration	14-Sep-21	NSS Volunteers
4	Azadi ka Amrit Mahotsav - Essay Writing Competition	02-Oct-21	NSS Volunteers
5	Commitment for Angdaan	23-Dec-21	NSS Volunteers
6	Good Governance Week Celebration - Essay Writing	31-Dec-21	NSS Volunteers
7	Azadi ka Amrit Mahotsav - Essay Writing Competition	10-Jan-22	NSS Volunteers
8	Vaccination Awareness - COVID-19 Resurgence	10-Jan-22	NSS Volunteers
9	National Youth Festival	12-Jan-22	NSS Volunteers
10	Fit India Movement - Suryanamaskar	26-Jan-22	NSS Volunteers
11	Awareness - Say No to Drugs	30-Jan-22	NSS Volunteers
12	Swatchh Bharat Mission	03-Feb-22	NSS Volunteers
13	Atmanirbhar Bharat Mission	06-Feb-22	NSS Volunteers
14	Webinar - Drug Abuse and Youth	15-Feb-22	NSS Volunteers
15	Human Rights Awareness	18-Feb-22	NSS Volunteers
16	Commitment - Gandhi in Me	20-Feb-22	NSS Volunteers

New International MoU - Binghamton University, New York, USA**New National MoUs**

Sr. No.	Name of the institution/ industry/ corporate house	Year of signing MoU	Duration	Type of MoU
1	KD Hospital, Ahmedabad	2021 - 2022	21 -12-2021 to 20-12-2031	Industry
2	Probiotic Smart LLC, Wisconsin	2021 - 2022	30-06-2021 to 29-06-2022	Industry
3	West Coast Pharmaceutical Works Ltd	2021 - 2022	24-06-2021 to 23-06-2025	Industry
4	Intas Pharmaceutical Limited	2021 - 2022	07-05-2021 to 06-05-2025	Industry

Activities under International MoUs

- Prof. Marco L. Lolli, CEO at Beenext s.r.l. and, Aggregate Professor in Medicinal Chemistry, University of Turin, Torino, Italy was invited as speaker in the 6th Nirma Institute of Pharmacy International Conference (NIPiCON – 2022) jointly organised with Indian Pharmacological Society on February 19, 2022.
- Dr. Rory E. Kim, Assistant Professor of Clinical Pharmacy, Director, PharmD Scholarly Project, Director, International Summer Program, Chair, Excellence in Teaching Committee, USC School of Pharmacy, University of Southern California was invited as speaker in the 6th Nirma Institute of Pharmacy International Conference (NIPiCON – 2022) jointly organised with Indian Pharmacological Society on February 18, 2022.
- Total twelve students from Institute of Pharmacy, Nirma University attended two weeks (July 19-30, 2021) International student virtual summer programme at School of Pharmacy University of Southern California, Los Angeles, CA USA.
- Dr. Terrence F. Graham, Chief International Officer at the University of Southern California's School of Pharmacy was invited as speaker in Webinar on "Career Prospects for Pharmacy Graduates in India and Abroad" on June 19, 2021.
- Prof. Stephen Kerr, Interim Dean and Professor, School of Pharmacy, MCPHS University, USA was invited as speaker in Webinar on "Career Prospects for Pharmacy Graduates in India and Abroad " on June 19, 2021.
- Prof. Wong Tin Wui, Non-Destructive Biomedical and Pharmaceutical Research Centre, iPROMISE, Universiti Teknologi MARA, Malaysia was invited as speaker in Webinar on "Career Prospects for Pharmacy Graduates in India and Abroad " on June 19, 2021.
- Rachael Perry, Assistant Dean for Enrollment Management and Student Affairs, School of Pharmacy and Pharmaceutical Sciences, Binghamton University delivered expert lecture on September 2, 2021 on Practice of Pharmacy in the U.S. and the 2+4 agreement between Nirma and Binghamton University.

Linkages with national/international academic/research bodies

Sr. No.	Name	Activity description	AY	Number of students/faculty
1	Brillare	Internship	2021 - 2022	1
2	Intas Pharmaceuticals	Internship	2021 - 2022	3
3	Intas Pharmaceuticals	Placements	2021 - 2022	6
4	Synchron Research	Summer Internship	2021 - 2022	3

IV. INFRASTRUCTURE AND LEARNING RESOURCES

Computer facilities added

Newly Purchased Software

Sr. No.	Software Name	Invoice Date	Cost
1	PathoPlus Classic	28-02-2022	16,520
2	ChemDraw Professional 20.X	28-12-2021	2,98,351

Newly Purchased Peripherals

Sr. No.	System Type	Invoice Date	Quantity	Cost
1	Wifi Access Point	27-01-2022	13	5,42,014
2	POE Network Switch (HPE 1950 24G 2SFP + 2XGT PoE + SWITCH - JG962A)	29-12-2021	01	56,318
3	Printer	28-01-2022	01	41,000

Library - learning resources added

Number of Book for Technical Subjects During the Year 2021-22			
No. of Titles & Volumes Added During the Year		Cumulative Total No. of Titles & Volumes as on 31/03/2022	
Title	Volumes	Title	Volumes
99	141	3565	5757

Number of Book for Science & Humanities During the Year 2021-22			
No. of Titles & Volumes Added During the Year		Cumulative Total No. of Titles & Volumes as on 31/03/2022	
Title	Volumes	Title	Volumes
9	10	2506	3867

No. of Periodicals/Journals Including E-Journals During the Year 2021-22		Other Material Which Includes Software /CDs /Cassettes Other Audiovisual Materials	
Added during the year 2021-22	Cumulative Total as on 31/03/2022	Added during the year 2021-22	Cumulative Total as on 31/03/2022
(-2 print) (0 Online)	27 print + 211 online	CD- 0	CD- 47

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

Sr. No.	Supplier	Equipment / Machine	Cost in Rs.
1	Lab India Instruments Pvt. Ltd.	Tissue Homogenizer	73500/-
2	Deepali United MFG Ltd.	Multi reactions Work Station	308526/-
3	Matrix Biomedicals	Semi-Automated Biochemistry Analyzer	190575/-
4	Dp Analytics	Liquid nitrogen Container with Rack	66412/-
5	Labtronik	High Speed Table Top Cooling Centrifuge	262500/-
6	Prexa Scientific	Steam Sterilizer	63059/-
7	E-Spen Nanotech Pvt. Ltd.	Electrospinning Unit	787860/-
8	Global Biotech and Consultancy	Deep Freezer	357000/-

Increase in Central facilities

Health Services

- Covid Precautionary dose is given to all eligible staff members of the university.

- Strict following of Covid guidelines in the institute by maintaining proper sanitization, cleaning and hygienic conditions.

Civil Work in Progress/completed this year

- Construction and furnishing work of Cell Culture Laboratory at the First Floor of the PG building completed

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)	
	ACPC Merit No. (First Rank)	ACPC Merit No. (Last Rank)
TFWS	24	78
OPEN	93	4281
SC	1417	2294
ST	10397	13298
SEBC	1449	3227
PH	6067	---
EWS	1122	1170
NRI/(NRI Sponsored)	890	13614

TFWS = Tuition Fee Waiver Scheme

SC = Schedule Caste

ST = Schedule Tribe

SEBC = Socially & Economically Backward Class

PH = Physically Handicap

EWS= Economically Weaker Section

Admission status for MPharm

MPharm Students are admitted on GPAT basis.

Cut off Rank for the admission to MPharm is as under:

Sr. No.	Name of Specialisation	GPAT Rank		Institute Entrance (Non-GPAT)	
		Highest Cut-off	Lowest Cut-off	Highest Cut-off	Lowest Cut-off
1	Pharmaceutics	112	10375	77	121
2	Pharmaceutical Analysis	—	—	88	184
3	Pharmacology	671	3001	74	167
4	Regulatory Affairs	241	10022	79	143

Student Achievements

1. Ms. Monika Rani (19FTPHDP58), Full time PhD student secured 2nd runner up position from west zone in the National level conference entitled “Dissolution Research Presentation India-2021”. A scientific research presentation competition for young pharmaceutical researchers across academia and industry was organised online by Society of Pharmaceutical Dissolution Science (SPDS) in association with American Association of Pharmaceutical Scientist (AAPS) and Association of Pharmaceutical Teachers of India (APTI) on July 17, 2021.
2. Mr. Bharat Patel (16FTPHDP48), Full time PhD student secured 1st rank in the e-presentation competition on "Exploring novel design and evaluation of Mechanical Pressurize Implantable Pump using 3D Printing Technology" in the International e-conference on "Revolutionary Applications of 3D- Printing Technology in Pharma and Healthcare System" organised by Arihant School of Pharmacy and Bio- Research Institute, Gandhinagar on August 12-13, 2021.
3. Mr. Kartik Tulsian (20BPH053), BPharm second year student secured 1st rank in the state level competition “E-Pratibha 2021” organised online by Pharmagupshup Scholar- Gujarat Forum of Pharmacy Students on September 26, 2021.
4. Mr. Kartik Hariharan (18FTPHDP053), Full time PhD student secured 2nd position in oral presentation competition in 2nd Student Research Congress organised by Shri Vile Parle Kelavani Mandal’s Dr. Bhanuben Nanavati College of Pharmacy Vile Parle (W), Mumbai, India and co-hosted by University of Mumbai, held online on September 28-30, 2021.
5. Mr. Atul Garkal (19FTPHDP055), Full time PhD student awarded a certificate of recognition in appreciation of his research entitled "Design and Development of long-acting injectable devices of anti-VEGF agent in treatment of age-related macular degeneration” for oral presentation in the 3rd National Biomedical Research Competition held virtually from December 06-10, 2021 organised by Society of Young Biomedical Scientists, India.
6. Ms. Kanchan Lohana (21MPH309), MPharm Sem-I student secured second position in the SCOPE state level debate competition organised by SCOPE- A Gujarat Government Initiative held on December 18, 2021.
7. Mr. Harmish Lakum (19BPH044), BPharm SEM VI student secured 1st runner up position in the online Quiz competition “Biztellect” organised by Entrepreneurship Cell, Nirma University on December 28, 2021.
8. Ms. Priyanshi Shah (20BPH079), BPharm SEM-IV student secured first position in the elocution competition on "Gender Equality Today for Sustainable Tomorrow" organised by WDC-LMCP in association with IPA-Gujarat State Branch on March 8, 2022.

Value added courses

Sr. No.	Programme and Semester	Name of the Course	No. of students enrolled
1	BPharm Sem VI	Pharmacy Training at Pharmaceutical Industry	5
2	BPharm Sem VII	Soft Skills and Personality Development	103
3	MPharm Sem I	Soft Skills and Professional Development	47
4	MPharm Sem II	Pharmaceutics Training	15
5	MPharm Sem II	Pharmaceutical Analysis Training	11
6	MPharm Sem II	Pharmacology Training	12
7	MPharm Sem II	Regulatory Affairs Training	09

No. of Co-curricular activities organised: 07

Sr. No.	Name of the programme	Name of Department	Programme Coordinator(s)	Total Number of participants	Date
1	Workshop on Sophisticated Instruments	Pharmaceutical Analysis	Prof. Priti Mehta Dr. Hardik Bhatt Dr. Nrupesh Patel	33	January 04, 2022
2	One Day Seminar on Nano Drug Delivery	Pharmaceutics	Dr. Mohit Shah Dr. Dhaivat Parikh Dr. Hardik Bhatt Prof. Tejal Mehta	132	January 29, 2022
3	UG Research ePresentation Competition 2022	UG Research Council, IPNU	Dr. Bhumika D. Patel	23	January 31, 2022
4	6 th Nirma Institute of Pharmacy International Conference jointly with Indian Pharmacological Society (NIPICON-IPS-2022)	Institute of Pharmacy	Dr. Jigna Shah	324	February 17-19, 2022
5	Workshop on Computer Aided Drug Design Software	Pharmaceutical Chemistry	Dr. Vivek Vyas Dr. Hardik Bhatt	28	March 10, 2022
6	Webinar on Popularisation of alternative and complimentary medicines in healthcare interventions	Pharmacognosy	Dr. Niyati Acharya Dr. Dipal Gandhi	58	March 11, 2022
7	Basic Cell Culture Techniques	Pharmacology	Dr. Jigna Shah Dr. Snehal Patel	15	March 19, 2022

Youth welfare and cultural activities

Sr. No.	Name of event	Date	Level of Event	No. of student participants		Name of the guest/ judges/ resource persons
				M	F	
1.	Shri Zaverchand Meghani Song Competition	September 3, 2022	Institute	1	5	Dr. Bhumika D Patel, Dr. Jigar N Shah (Judges)
2.	Teacher's Day Celebration	September 4, 2021	Institute	7	22	–
3.	Pharmacist day Celebration	September 25	NA	45	60	Dr. Manjunath Ghate

4.	Foundation Day	October 1, 2021	Institute	26	29	Prof. Ranendra N. Saha, acting Vice Chancellor at BITS, Pilani was the Chief Guest at Inaugural function
5.	Self Defense workshop	March 10, 2022	Institute	-	85	NA
6.	Euphoria	March 16, 2022	Institute	21	52	Mr. Praful Panchal, Mr. Kamal Joshi, Ms. Shital Makwana, Mr. Umang
7.	Rostrum	March 17, 2022	Institute	133	157	Shri Mahesh Mehta, Deputy Director, State NSS Cell, Commissionerate of Higher Education, Govt. of Gujarat, Chief Guest at Valedictory function
8.	e-Anti-ragging poster competition	March 31, 2022	Institute	76	87	Ms Vibha Gajjar, Mr Parag Mistry, Ms Foram Bhavsar, Institute of Architecture, Nirma University

Performance in Sport activities:

The institute organised Badminton Competition during the academic year 2021-22.

- First Prize [Boys]: Manmohan Sharma [21FTPHDP77]
- First Prize [Girls]: Dhanvi Parmar [21MPH301]

Number of students who have passed the following examinations

Sr. No.	Examinations	No. of Students
1	GPAT 2022	10

Alumni Association – activities supporting students

- International Alumni Expert Lecture Series: 28 (during October 2021)
- Technical Talk by Alumni: 12
- Career Guidance Talk by Alumni: 08
- Prominent Alumni Award (2008 intake): 10 Alumni felicitated
- Alumni Meet: 01 – Online – 29th January, 2022
- Book Bank Facility to BPharm Students: 50 + students

Details of International Alumni Expert Lecture Series

Sr. No.	Name of Alumni	Roll Number	Title of Talk	Date of Lecture
1	Neel Sukhadia	04BPH093	Recent Advances in Roller Compaction Technology	05-10-2021
2	Parth Shah	11BPH061	Pharmacy Practice in Western Countries	06-10-2021
3	Dr. Farah Pathan	07BPH019	Pharmacoeconomics: An Overview	07-10-2021
4	Dr. Neha Vithani	04BPH094	Understanding protein functions using molecular dynamics simulations.	08-10-2021
5	Pruthvi Shah	10BPH033	Lab management - after studying sciences.	11-10-2021
6	Dr. Harshvardhan Modh	07BPH088	Drug Release Testing of Nanoformulations using Dispersion Releaser (DR) Technology	12-10-2021
7	Dr. Sukrut Somani	06BPH106	The future depends on what you do today	12-10-2021
8	Dr. Sachin Thakkar	03BPH052	Novel dry powder formulations of aluminum salt-adjuvanted vaccines for intranasal administration	13-10-2021
9	Dr. Heta Desai	08BPH022	Addressing the issue of poor aqueous solubility in drug product development	14-10-2021
10	Dr. Santnu Patel	05MPH006	Multiparticulate targeted drug delivery systems and intellectual aspects.	14-10-2021
11	Dr. Kunti (Raskapur) Shah	05BPH023	"Out of Specification" for the analytical results	16-10-2021
12	Nidhi Sheth	10BPH026	Developing a forensically relevant single-cell pipeline for human identification	16-10-2021
13	Nikum Sitwala	11MPH410	Current Trends in Pharma Chemistry at Canada	16-10-2021
14	Dr. Shaunak Pandya	03BPH053	Analytical Characterization of Protein Biologics: Current Industry Practice	18-10-2021
15	Dr. Snehal Shukla	09BPH074	Lipid based delivery of Antidiabetic drug for treatment of mesothelioma-A rare thoracic cancer	20-10-2021
16	Dr. Hitesh Patel	03BPH022	Pharmaceutical Sciences and Cheminformatics	21-10-2021
17	Vaidehi Mehta	13BPH096	Overview of FDA regulations for medical devices	21-10-2021
18	Dr. Priyanka Trivedi	04BPH098	Targeting Phospholipase D4 Attenuates Kidney Fibrosis	22-10-2021
19	Dr. Melani Solomon	03BPH004	Nanocarrier-mediated enzyme replacement therapy for lysosomal storage disorders	22-10-2021
20	Drasty Vora	13MPH703	Clinical Study Protocol Writing	25-10-2021

21	Kandarp Prajapati	05BPH086	Collaboration between International Regulatory Agencies to Facilitate Earlier Global Access in formulation development for Novel Cancer Treatments	25-10-2021
22	Dr. Mithil Soni	03BPH039	T cell-based immunotherapy for treating cancers and viral infections	26-10-2021
23	Jonali Ramani	10BPH016	Regulatory approval process for approval of medical device in US	27-10-2021
24	Nidhi Kuksal	12BPH038	Brown adipose tissue: The thermostat of our body	28-10-2021
25	Sweta Raval	09BPH036	Preclinical research and development	29-10-2021
26	Krishna Gajjar	10MPH405	Computer Aided Drug Designing Methods	30-10-2021
27	Dr. Ronak Patel	09BPH081	Human stem cells-based platforms for phenotypic disease modeling and drug screening for neurodegenerative diseases	30-10-2021
28	Kirti Zinjuwadia	05BPH021	Outlook of Instrument Qualification and Computerised System Validation	30-10-2021

Details of Technical Talk by Alumni (Other than International Expert Lecture Series)

Sr. No.	Name of Alumni	Roll Number	Title of Talk	Date of Lecture
1	Dr. Snehal Shukla	09BPH074	Bioinspired particle engineering for improved drug delivery to peripheral lung	13-04-2021
2	Ms. Shivangi Kaul	16MPH114	Cosmetic Products: conception to commercialization	29-04-2021
3	Ms. Shreya Shah	03BPH054	Nanomilling Technology - Screening to Scale-up	30-04-2021
4	Mr. Snehal Kothari	08BPH061	Strategic Planning for Marketing Mix	04-05-2021
5	Dr. Hirenkumar N. Khatri	05MPH002	Ayurvedic Products: Opportunities for Business Development in Healthcare	05-05-2021
6	Dr. Deven Patel	05BPH007	Background, Application and the Advanced Techniques for RT-PCR	06-05-2021
7	Ms. Sweta Rajput	12MPH210	Introduction to regulatory affairs, regulatory markets, submission types and tools	08-05-2021
8	Mr. Ravi Ukawala	07BPH104	Quality by Design	08-05-2021
9	Dr. Manishkumar Sharma	09MPH305	High Resolution Mass Spectrometry Based Approach for Characterization and Pharmacokinetics Study of Drug Substance and Its Implications in Drug Development	13-05-2021

10	Dr. Anand B.Pithadia	10EXTPHDP53	Effective Presentation Skills	05-06-2021
11	Dr. Raghunath Pokale	07EXTPHDP17	Supply chain management in clinical trials	05-06-2021
12	Dhruv Raval	09MPH506	Regulatory Affairs & USFDA: ANDA Approval Process in GDUFA-II	11-06-2021

Career Guidance Talk by Alumni

Sr. No.	Name of Alumni	Roll Number	Title of Talk	Date of Lecture
1	Dr. Priti Bahety	06BPH051	Scope on Higher Education in Pharmacy at Singapore	16-04-2021
2	Nishant Patel & Nilay Makwana	05BPH033 & 05BPH030	Pharmacy profession as career in Canada	03-05-2021
3	Mr. Mikul Soni	05BPH067, 09MPH306	Music Composition: As Prayer, Passion & Performance	30-05-2021
4	Maharshi Raval	12MPH308	Preparation Guidance for Civil Services Exam	05-06-2021
5	Johny Haryani	13BPH055	Roadmap to Start-up from Scratch	05-06-2021
6	Keval Trivedi	11BPH023	Scope of Pharmacy and GPAT preparation	10-06-2021
7	Harsh Thakkar & Akhilesh Prajapati	12BPH022 & 14BPH005	Preparation for NIPER Entrance Exam	20-06-2021
8	Nishant Patel	05BPH033	Future Scope of Higher Studies and Career Perspectives in Canada	28-03-2022

Placement services to students

- During the Academic year 2021 - 2022, some of the key recruiters visited the campus and of which a significant number of recruiters hired students include Alembic, Amneal, APCER Life Sciences, Aragen, BioQuest, BYJU's, Cliniserve, Dr Reddy's, Emcure Pharmaceuticals, Finecure Pharmaceuticals, Genpact, Indegene, Intas Pharmaceuticals, Lambda Therapeutic Research, Meditab, Meteoric Biopharmaceuticals, Molkem, Nestle, RadiAnt Minds, Senores, Shaip, Stivaph, Sun Pharmaceuticals, Sushen Medicamentos, Syngene International, Torrent Research Center, Troikaa Pharmaceuticals, YJ Trivedi & Co, to name a few.
- The highest number of students placed were hired by Genpact, Intas Pharmaceuticals, Lambda Therapeutic Research.
- 100.00% of Pharmaceutics students were placed at and above 3.00 Lakhs Per Annum.
- Maximum number of students placed were in Pharmacology department with 88.00% of students being placed at and above 3.00 Lakhs Per Annum and the rest 12.00% with confirmed yearly incremental compensation of above 3.00 Lakhs Per Annum.
- 84.00% of Pharmaceutical Analysis students were placed at and above 3.00 Lakhs Per Annum and the rest 16.00% with confirmed yearly incremental compensation of above 3.00 Lakhs Per Annum.

- More than half of Regulatory Affairs students were placed at highest earning potential of 5.18 Lakhs Per Annum with fixed compensation of 4.60 Lakhs Per Annum.
- Minimum CTC offered witnessed a rise of 20.00% as against the previous year.
- Average and Median CTC offered also witnessed a growth of 20.00% and 16.00% respectively as against previous year.
- As a part of Training and Placement Activities, students underwent Aptitude Test, Resume Writing and Review Session, Live LinkedIn Profile Building Sessions, and Mock Personal Interview Sessions.
- Under Soft Skills and Personality Development Sessions, Communications Training, Networking and Interpersonal Skills were offered as value added sessions as part of students overall development programme.
- The Office of Corporate Relations facilitated the virtual summit on the topic of "Women in Healthcare" organised and sponsored by P&G Health. Students and Faculty members of Top 10 Pharma Colleges across the country were invited and about 50+ participants attended the same. The summit was organised to build P&G talent pipeline and strengthen its salesforce while focusing on bringing gender harmony in the area of field sales.
- The office facilitated necessary arrangements for on-campus meeting with L'Oreal officials to discuss extensive collaboration opportunities between the Institute and L'Oreal in the areas of Research Collaborations, Short-Long Term Projects, Alumni Relationship Building, Internship - Placement opportunities for fresh graduates.

Institute of Science

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Institute at a glance

The faculty members completed one Nirma University major project worth 29.9 Lakhs and working on Nine projects (sponsored by DBT, DST, GSBTM) worth 405.13 Lakhs. The institute has received the sanction for 3 new grants worth 107.5 Lakhs from the GSBTM, Government of Gujarat. Twenty-two dignitaries visited the institute and several expert/ invited lectures were arranged for the students.

The institute continued outstanding research performance contributed by Faculty, PhD scholars and M.Sc. students. Four of our faculty members have collaboration with nineteen academic/research institutes for the research activities. One faculty member served as expert for review of Research Grants from one scientific body. Seven invited lectures were delivered by the faculty members. Two faculty member received the Research awards, one faculty received Education Excellence Award and one of the faculty members was invited to serve on the Editorial board.

Eighteen book chapters, eleven research papers in international journals were published by the faculty with average impact factor of 4.392 and one case report published in national journal. A total of 9 papers were presented by faculty, staff members and students in various national and international conferences. Two Ph.D. theses and 27 M.Sc. dissertations projects were pursued. The faculty members received awards and recognition in the form of membership in the editorial board or reviewer ship of international journals. The institute carried out various extension, placement, sports, youth welfare and cultural and extracurricular activities.

Outstanding Achievements

Dr. Sriram Seshadri was awarded with Young Research Award-2021 for Publication in "Carbohydrate Polymers" by Institute of Scholars, Chikmagalur, Karnataka. Dr. Seshadri was awarded with Education Excellence Award-2021, an award for Contribution to Education Community by Kites Kraft Educational Initiatives, Ludhiyana.

Dr. Ameer Nair was awarded the First Prize for the oral presentation delivered on 'Glucose deficit hinders NRG1 mediated regeneration in the hippocampal Dentate gyrus and Elevated Plus Maze performance of hypoglycemic rats' in International conference on 'New Trends in Chemistry' organised by PP Savani University, Surat on December 4, 2021.

Dr. Vijay Kothari was invited and served as an editor for the Book titled 'Wound Healing Research: Current Trends and Future Directions' Springer Nature Singapore Pte Ltd. DOI: 10.1007/978-981-16-2677-7.

Important Activities

1. New batch of M.Sc. Biochemistry, Biotechnology, and Microbiology students at Institute of Science, Nirma University, Ahmedabad started the new academic year with a one-week Orientation Programme online from 2nd August 2021. The inaugural function was presided over by the Director General of Nirma University Dr. Anup K. Singh. Prof. Sarat Dalai, Director, Institute of Science who is an eminent researcher in the field of immunology, introduced the Institute and its journey towards excellence in teaching and research to the new students. Chief Guest, Dr. Dipankar Nandi, Professor, Department of Biochemistry, Indian Institute of Science, Bangalore addressed the students on "Lessons from the current pandemic". Dr. Nandi, is a M.Sc.,

Microbiology from MS University and Ph.D. from University of California, Berkeley and Postdoctoral fellowship from University of Cincinnati where he worked with Nobel Laureate Dr. James P. Allison. Some of the current students addressed the new batch sharing their enthusiastic academic journey.

2. On September 6, 2021, the institute celebrated its 18th Foundation Day on a digital platform. Director of Institute of Pharmacy, Nirma University Prof. Manjunath Ghate presided over the event. Prof. Satyajit Rath, Indian Institute of Science Education and Research (IISER), Pune was the chief guest and Prof. Abhinanda Sarkar, Academic Director at Great Learning for Data Science and Machine Learning Programmes and Adjunct Faculty, IISc Bangalore was the keynote speaker. Prof. Sarat Dalai, Director, Institute of Science, welcomed the audience and briefly highlighted the recent achievements of the institute. Prof. Satyajit Rath's lecture on "High, higher, highest: the changing goalposts of science education" walked us through the evolution and current scenario of the science education system in an intelligible manner. Prof. Abhinanda Sarkar's webinar on "Biosciences, Big Data, and Deep Learning" started with providing the basic understanding of the need of Big data and also briefed about the understanding of Deep learning and its applications. As a part of Foundation Day celebrations, three events were organised namely Sci-debate, Sci-toon, and Sci-innovation. Total thirty-five students participated in the different events. The webinar was attended by more than 180 participants and received a great response with active interaction with the speakers. Institute of Science also celebrated the Teacher's Day on 6th September 2021. The students association of Institute of Science (INSSA) felicitated the faculty and staff members.
3. It organised the Annual Fine Arts Festival "Colours & Creations -2021-22" on February 5-6, 2022. Competitions were held in five fine art events namely Rangoli, Painting, Face-painting, Collage and Doodling/cartooning. Sixteen female students from the institute participated in the event.
4. It organised Annual Dance Competition 'Dance like a Dream 2021-22' during February 11-14, 2022 under two categories namely Classical / Folk dance – Solo and Bollywood / Contemporary-Solo.
5. It organised the Annual Music Competition 'Magic of Melodies 2021-22' under two categories namely Classical/Light vocal and Instrumental – Solo and Bollywood singing- Solo.
6. It organised a Hands-on Training Programme on Advance Bioinformatics on 5th-7th January, 2022. The event was attended by 30 M.Sc. and Ph.D. students from Institute of Science.
7. Institute of Science & Women Development Cell, Nirma University jointly organised an expert talk by Dr. Veda Krishnan on the topic "Forget work-life balance: It's about the BLEND" as a part of International Women's Day celebration. The event was organised on 21st February 2022. Dr. Veda Krishnan is Scientist at Division of Biochemistry, ICAR- IARI, New Delhi and is the recipient of the prestigious Fulbright fellowship and currently working at Purdue University, IN, USA as Postdoc Scholar.
8. Institute of Science under the aegis of Women Development Cell, Nirma University organised an online University Level Essay writing competition on 5th March, 2022 on the topic "Attaining Work Life Balance in the Indian Scenario: Concerns and opportunities" as a part of International Women's Day celebration. Twenty-three students from various institutes participated in the event.

The event was judged by Smt. Renu Meghrajani, Principal, Trinity Mission School, Vyara. Cash prizes of Rs. 1500/-, 1000/- and 500/- were awarded to the first, second and third prize winners.

9. On February 28th 2022, the institute celebrated the National Science Day 2022. This year the theme was 'Integration of Science and Technology for the Sustainable Future'. Invited speaker Dr. Urszula Krzych, Chief, Cellular Immunology Lab at the US Military Malaria Vaccine Development Programme, Walter Reed Army Institute of Research, Silver Spring, MD USA delivered an expert lecture on "T cell-based Vaccines, Examples from Malaria". The webinar was attended by more than 100 participants. As a part of National Science Day celebration, there were four events namely, Essay writing, Sci-biography, Sci-toon, and Sci-model. Total thirty students participated in these events. Winners were felicitated with trophies and participants were given certificates.

Dignitaries Visited

1. Dr. Anju Pappachan, Central University of Gujarat, Gandhinagar, 7th April, 2021.
2. Dr. Anju T.R, Asst. Professor, Dept. of Biotechnology, Newman`s college, Thodupuza, 28th April, 2021.
3. Dr. Dipankar Nandi, Professor, Department of Biochemistry, IISc, Bangalore, 2nd August, 2021.
4. Dr. Lal Hingorani, Chairman and Managing Director, Pharmanza Herbal Pvt. Ltd., Dharmaj, Gujarat, 3rd August, 2021.
5. Dr. Palak Patel, Postdoctoral Fellow, National Institutes of Health (NIH), Bethesda, 4th August, 2021.
6. Dr. Tushar Vaidya, Chief Scientist, CSIR-CCMB, Hyderabad, 6th August, 2021.
7. Prof. A. K. Singhvi, Honorary Scientist, Physical Research Laboratory, Ahmedabad, 6th August, 2021.
8. Dr. Asha Multani, Associate Professor, Department of Genetics, and Co-Director of the MD Anderson Cytogenetics and Cell Authentication Core, 9th August, 2021.
9. Prof. Satyajit Rath, Adjunct Faculty, Indian Institute of Science Education and Research (IISER), Pune, 6th September, 2021.
10. Prof. Abhinanda Sarkar, Academic Director, Great Learning for Data Science and Machine Learning Programmes and Adjunct Faculty, IISc, Bangalore, 6th September, 2021.
11. Ms. Gopi Trivedi, a patent attorney and a Senior Partner of YJ Trivedi & Co, 16th October, 2021.
12. Dr. Vishal Nanavaty, Neuberger Supratech Reference Laboratories, 14th October, 2021.
13. Dr. Arvind Sahu, National Centre for Cell Science, Pune, 7th October, 2021.
14. Dr. Hemant Agrawal, Director-Flowcytometry Solutions Pvt Ltd, 4th & 5th October, 2021.
15. Dr. Rakesh Rawal, Professor, Department of Lifesciences, Gujarat University, 8th October, 2021.
16. Dr. Desai Kartiki Vasant, National Institute of Biomedical Genomics, NIBMG, 21st October, 2021.
17. Dr. Veda Krishnan, Scientist, Division of Biochemistry, ICAR- IARI, New Delhi, 21st February, 2022.
18. Dr. Urszula Krzych, Chief, Cellular Immunology Lab at the US Military Malaria Vaccine Development Programme, Walter Reed Army Institute of Research, USA, 28th February, 2022.

I. Curricular Aspects

New Courses being offered: 3SBC211 Neurobiology introduced into Semester-II core course for M.Sc. BC and elective course for MSc. BT.

No. of courses where major revision is made:

Revisions have been made in the syllabus of Laboratory I (3SBT311) for Semester I, Laboratory II (3SBT211) for M.Sc. BT & MB and (3SBC204) for BC and Laboratory III course for BT (3SBT311), BC (3SBC309) and MB (3SMB306)

II. Teaching Learning and Evaluation

Faculty completed/pursuing Ph.D.

All faculty members are PhD degree holders.

Exam reforms implemented:

In view of the pandemic, in line with government and Nirma University guidelines, the institute has conducted CE and SEE-through online mode.

No. of faculty development programmes availed by faculty: 01

Invited/ Endowment lectures: 07

1. Dr. Sriram Seshadri attended and presented in "11th World Congress of Diabetes India-Diabetes India 2021" from 11-13 June, 2021 as an invited speaker.
2. Dr. Sriram Seshadri attended and presented in "International Conference on Applied Science, Engineering, Technology & Management (ICASET-2021 Virtual Conference)" from 12-13 June, 2021 as an invited speaker.
3. Dr. Vijay Kothari delivered an online talk "Scientific Publishing and Digital existence of the Scientist" webinar organised by EdGene BioMed on July 3, 2021.
4. Dr. Sriram Seshadri delivered an online talk under keynote forum at World Congress on Diabetes and Endocrinology, under the theme "Translate and harness novel therapies in Diabetes and Endocrinology" organised by Genvio Group on September 15-16, 2021.
5. "Handling the antibiotic-resistant bacteria": online talk delivered by Dr Vijay Kothari during webinar jointly organised by Dr. D S Kothari Institute for Research and Education, Udaipur and Jain Academy of Scholars, Ahmedabad on December 4, 2021.
6. Prof. Sarat Dalai delivered an invited talk on "How immune system works under oxidative stress" on 16th March, 2022 during National Immunization Day organised by GUJCOST.
7. Dr. Vijay Kothari delivered a Popular Lecture: "Insights into temperament and personality attributes of scientists", Feb 28, 2022 during National Science Day celebration at M P Shah Science College, Surendranagar, Gujarat, organised by GUJCOST.

Non-teaching Staff Development

Dr. Sweta Patel attended the 6th International diabetes virtual summit 2022 during March 4-6, 2022 and delivered an oral talk on "Colonic microflora protagonist of liver metabolism and inflammation: A metagenomic approach."

Ms. Siddhi Jani, RA at GSBTM sponsored Bioinformatics Center, Institute of Science attended the online training for machine learning and genomic data analysis for one month conducted by DecodeLife in March 2022.

III. Research, Consultancy & Extension

Research Projects

Major Research Project funded by External Agencies:

Financial Year	Completed		Ongoing		Sanctioned	
	Number	Amount (Rs in lacs)	Number	Amount (Rs in lacs)	Number	Amount (Rs in lacs)
2021-22	2	129.34	7	303.20	4	123.19
2020-21	3	90.95	6	325.20	1	89.36

Major Research Projects funded by Nirma University:

Financial Year	Ongoing	
	Number	Amount (Rs in lacs)
	1	29.90
2020-21	1	29.90

Minor Research Project funded by External Agencies

Financial Year	Completed		Sanctioned	
	Number	Amount (Rs in lacs)	Number	Amount (Rs in lacs)
2021-22	2	5.38	-	-
2020-21	-	-	2	5.38

Minor Research Project funded by Nirma University:

Financial Year	Completed		Ongoing	
	Number	Amount (Rs in lacs)	Number	Amount (Rs in lacs)
2021-22	-	-	-	-
2020-21	2	2.00	-	-

Completed Major Research Projects

Sr. No.	Title of the Project	Project Investigator/s	Funding Agency	Grant (in Rs.)
1.	FIST	Dr. Sarat Kumar Dalai	Department of Science & Technology	92,00,000/-
2.	Investigating The Role Of Crc In Regulation Of Pqq Gdh Involved In Mps Phenotype Of Acinetobacter Sp. And It's Repression.	Dr. Shalini Rajkumar	Department of Science & Technology	37,34,000/-
Total Grant				1,29,34,000/-

Ongoing Major Research Projects

Sr. No.	Title of the Project	Project Investigator/s	Funding Agency	Grant (in Rs.)
1.	Bone Metastatic Signature In Indian Breast Cancer Patients: A Transcriptome Based Study.	Dr. Heena Dave	Department of Science & Technology	07,25,000/-
2.	Studying The Immune Adjuvant Potential Of Chimeric Il-15.	Dr. Sarat Kumar Dalai	Gujarat State Biotechnology Mission	49,48,200/-
3.	Understanding The Role Of B Cells In Cross-Presentation Of Plasmodium Liver-Stage Antigen(S) To Cd8+ T Cells.	Dr. Sarat Kumar Dalai	Department of Biotechnology	89,36,300/-
4.	Engineered Bioremediation Approaches For Onsite Treatment Of Soil Contaminated With Crude Oil.	Dr. Nasreen Munshi (In collaboration with National Environmental Engineering Research Institute, Nagpur; Indian Institute of Toxicology Research, Lucknow; Assam University, Indian Institute of Technology, Bombay; Indian Institute of Delhi; National Institute of Oceanography Goa; The Energy and Resources Institute, New Delhi; Institute of Advanced Study in Science & Technology, Assam.)	Department of Biotechnology	77,75,700/-
5.	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. Chetna Chauhan & Prof. Manish Shah (In collaboration with Institute of Technology and Veer Narmad University)	Gujarat State Biotechnology Mission	47,48,200/-
6.	Investigation Of The Regulatory Role Of Mir-712 In Inflammation Induced Skeletal Muscle Insulin Resistance.	Dr. Sriram Seshadri	Science and Engineering Research Board	09,35,000/-
7.	Elucidating The Role Of Short Chain Fatty Acids (Scfas) And Its Receptors In High Sugar Diet-Induced Type Ii Diabetes.	Dr. Sriram Seshadri	Gujarat State Biotechnology Mission	22,52,000/-
8.	Microbial Fuel Cell: An approach for wastewater Treatment with Generation of Green Electricity.	Dr. Nasreen Munshi & Dr. Manisha Shah	Nirma University	29,90,700/-
Total Grant				3,33,11,100/-

Sanctioned Major Research Projects

Sr. No.	Title of the Project	Project Investigator/s	Funding Agency	Grant (in Rs.)
1.	Repositioning Doxycycline As Anti-Cancer Therapy And Exploring Its Synergy With Extracellular ATP Modulation In Breast Cancer: Pre-Clinical And Early Clinical Exploration.	Dr. Heena V. Dave & Dr. Reena Rajput & Dr. Jigna Shah & Dr. Chirag Desai (In collaboration with the Institute of Advanced Research, Institute of Pharmacy, Nirma University, HOC Vedanta Medical Center)	Gujarat State Biotechnology Mission	3,30,000/-
2.	Therapeutic Targeting Of Androgen Receptor As A Biomarker To Improve The Clinical Outcomes Of Triple-Negative Breast Cancer.	Dr. Heena V. Dave & Dr. Jigna Shah & Dr. Hemangini Vora (In collaboration with The Gujarat Cancer & Research Institute and Institute of Pharmacy, Nirma University)	Gujarat State Biotechnology Mission	44,14,900/-
3.	Combination Of Chimeric Il-15 And Recombinant Il-12 As Immunotherapy For Lung And Colon Cancer.	Dr. Sonal Bakshi & Dr. Sarat Kumar Dalai	Gujarat State Biotechnology Mission	59,96,900/-
4.	Study On Effect Of Soda Ash Effluent On Marine Fisheries.	Dr. Nasreen Munshi & Dr. Kaid Johar (In collaboration with Gujarat University)	Saurashtra Chemicals, Division of Nirma Limited, Porbandar	15,77,300/-
Total Grant				1,23,19,100/-

Completed Minor Research Projects

Sr. No.	Title of the Project	Project Investigator/s	Funding Agency	Grant (in Rs.)
1.	Identification Of Small Molecule Inhibitors Of Transcriptional Activator Protein Lasr.	Dr. Vijay Kothari	Atomwise Inc., USA	2,36,300/-
2.	Identification Of Small Molecular Inhibitor of Nor In P. Aeruginosa.	Dr. Vijay Kothari	Atomwise Inc., USA	3,01,700/-
Total Grant				5,38,000/-

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

Financial Year	National Conference		International Conference	
	Number	Amount	Number	Amount in Rs.
2021-22	0	0	01	9500

PhD Thesis Submitted:

Sr. No	Author	Title	Guide Name	Month & Year	Thesis in Koha
1	Anushka Srivastava	Study of chromosome abnormalities in recurrent spontaneous abortions	Dr. Sonal R. Bakshi	Thesis submitted in October. 2021, on 26 th April 2022 [viva completed, provisional degree done]	in process
2	Anwasha Mukherjee	Exploring electrogenic capacity of bacterial communities for waste water treatment and electricity generation	Dr. Nasreen Munshi	Thesis Submitted on March 17, 2022 Awaiting viva	-

Awards and Recognition (Institute/ Department/ Faculty)

1. Dr. Sriram Seshadri was awarded with Young Research Award-2021 for Publication in "Carbohydrate Polymers" by Institute of Scholars, Chikmagalur, Karnataka.
2. Dr. Sriram Seshadri was awarded with Education Excellence Award-2021, an Award for Contribution to Education Community by Kites Kraft Educational Initiatives, Ludhiyana.
3. Dr. Ameer Nair was awarded the First Prize for the oral presentation delivered on 'Glucose deficit hinders NRG1 mediated regeneration in the hippocampal Dentate gyrus and Elevated Plus Maze performance of hypoglycemic rats' in International conference on 'New Trends in Chemistry' organised by PP Savani University, Surat on December, 4, 2021.

Citation Index of faculty member and Impact factor

Sr. No.	Faculty Name	Citation	H Index
1	Prof. Sarat K Dalai	1060	15
2	Prof. Shalini Rajkumar	1141	19
3	Dr. Sonal Bakshi	444	12
4	Dr. Sriram Seshadri	1878	25
5	Dr. Vijay Kothari	1400	18
6	Dr Nasreen Munshi	95	6
7	Dr. Ameer K Nair	356	9
8	Dr. Heena Dave	76	4
9	Dr. Ravi Kant	175	8
10	Dr. Aarti Sunderarajan	17	2

Summary of the Research Publications in financial yearNational Journals: **1 Nos.**International Journals: **11 Nos.**

Financial Year	National Journal			International Journal		
	No. of paper published	No. of paper 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
2021-22	01	01	0.993	11	11	4.39
2020-21	00	00	-	18	18	2.25

During 2021-22 faculty members published a total of **11** papers in International Journals with Impact Factor ranging from 1 to 4.39

Also, there were **18** Book Chapters published during 2021-22

Details of Research Publications by Faculty

International Journals:

Total No. of publication: 11 Nos. Average impact factor: 4.39

1. Manoj Patidar, Naveen Yadav, Sarat K. Dalai* Development of Stable Chimeric IL-15 for trans-presentation by the Antigen Presenting Cells (Frontiers in Immunology, doi: 10.3389/fimmu.2021.646159). IF: 6.429
2. Chinmayi Joshi, Pooja Patel, Pawan Godatwar, Sanjeev Sharma, Vijay Kothari (2021). Identifying the molecular targets of an anti-pathogenic hydroalcoholic extract of Punica granatum peel against multidrug resistant Serratia marcescens. Current Drug Discovery Technologies (18)3:391-404. DOI: 10.2174/1568009620666200421083120 IF: 1.72
3. Joshi, M., Shah, D.P. & Krishnakumar, A. Extreme Glycemic Fluctuations Debilitate NRG1, ErbB Receptors and Olig1 Function: Association with Regeneration, Cognition and Mood Alterations During Diabetes. Molecular Neurobiology (2021). <https://doi.org/10.1007/s12035-021-02455-1> IF: 5.59
4. Anwasha Mukherjee, Purvi Zaveri, Rushika Patel, Manisha T. Shah and Nasreen S. Munshi (2021). Optimization of microbial fuel cell process using a novel consortium for aromatic hydrocarbon bioremediation and bioelectricity generation. Journal of Environmental Management, 298: 113546 (Published- 19th August, 2021). [IF: 6.789], DOI: <https://doi.org/10.1016/j.jenvman.2021.113546> IF: 6.789
5. Naveen Yadav, Manoj Patidar, Rajesh Parmar, Hardik Patel, Sarat K. Dalai* (2021) Infectious sporozoite challenge modulates radiation attenuated sporozoite vaccine-induced memory CD8+ T cells for better survival characteristics. (Microbiology and Immunology doi.org/10.1111/1348-0421.12948). IF: 3.202
6. Kalpana, K., Rani, V.A., Seshadri, S. and Kiran BR. BMIM[BF₄]: An Efficient Ionic Liquid Medium for the Synthesis of Chromeno[b]pyridines as Potential Anticancer Agents. Russ J Org Chem 57, 1501–1507 (2021). IF: 0.723
7. Shikha Tewari, Mansi Patel, Abhipsa VF Debnath, Priti Mehta, Snehal Patel, Sonal Bakshi: Bamboo leaf extract ameliorates radiation induced genotoxicity: An in vitro study of chromosome

- aberration assay. *Journal of Herbal Medicine*, 2021, <https://doi.org/10.1016/j.hermed.2021.100528> Elsevier Publishers ISSN 2210-803 IF: 3.032
8. Manita Das, Apeksha Joshi, Ranjitsinh Devkar, Sriram Seshadri and Sonal Thakore. Vitamin-H Channeled Self-Therapeutic P-gp Inhibitor Curcumin-Derived Nanomicelles for Targeting the Tumor Milieu by pH- and Enzyme-Triggered Hierarchical Disassembly. *Bioconjugate Chem.* 33, 2, 369–385 (2022). IF: 4.774
 9. Anwasha Mukherjee, Vishwata Patel, Manisha T. Shah, Dipak A. Jadhav, Nasreen S. Munshi, Ashvini D. Chendake, Deepak Pant (2022). Effective power management system in stacked microbial fuel cells for onsite applications, *Journal of Power Sources*, 517: 230684. ISSN 0378-7753, [IF: 9.127], (Published 1st January, 2022) DOI: <https://doi.org/10.1016/j.jpowsour.2021.230684>. IF: 9.127
 10. Mukherjee R. Patel, P. Zaveri, Munshi N. Microbial Fuel Cell Performance For Aromatic Hydrocarbon Bioremediation And Common Effluent Treatment Plant Wastewater Treatment With Bioelectricity Generation Through Series-Parallel Connection. *Letters In Applied Microbiology* Nov, 2021. 156(1): 13612 IF: 2.858
 11. Krishna Bharwad, Niharika Ghoghari, Shalini Rajkumar S.P. Crc Regulates Succinate-Mediated Repression Of Mineral Phosphate Solubilization In *Acinetobacter* Sp. Sk2 By Modulating Membrane Glucose Dehydrogenas. *Frontiers In Microbiology* [HTTPS://DOI.ORG/10.3389/FMICB.2021.641119](https://doi.org/10.3389/fmicb.2021.641119) IF: 4.076

National Journals: Refereed Papers

1. Bakshi Sonal Rajiv, Thakur, S., Shrivastava, A. Parental Balanced Chromosomal Rearrangement Leading To Major Genomic Imbalance And An Autosomal Trisomy Resulting In Consecutive Pregnancy Loss: A Case Report. *Journal Of Genetics*, 2021 IF: 0.993

Book Chapter: 18 Nos.

1. Nikunj Tandel and Sarat K. Dalai* (2021) *T Cell-based Vaccines: Hope for Malaria Elimination* Intech Open: Current Topics and Emerging Issues in Malaria Elimination, ISBN 978-1-83968-484-5, <http://dx.doi.org/10.5772/intechopen.96767>.
2. B. Sharan Sharma, Sonal R. Bakshi, Preeti Sharma, and Ramtej J. Verma (2021) "Web-based Bioinformatics Approach Towards Analysis of Regulatory Sequences" in Book entitled "Advances in Bioinformatics" Singh, Vijai, Kumar, Ajay (Eds.), E-Book August 30, 2021, ISBN 978-981-336-190-4, eBook ISBN 978-981-336-191-1, Springer Singapore, DOI, 10.1007/978-981-33-6191-1.
3. Pranati Sar and Sarat K. Dalai* (2021) *CRISPR/Cas9 in Epigenetics Studies of Health and Disease*, PMBTS (Progress in Molecular Biology and Translational Science): Reprogramming of the Genome: CRISPR/Cas9 in epigenetics studies of health and disease ISSN 1877-1173, <https://doi.org/10.1016/bs.pmbts.2021.01.022>
4. Bharat Patel, Vijay Kothari, Niyati Acharya (2021). Mainstreaming Traditional Practices for Wound Management (Chapter 7). In: Prasun Kumar, Vijay Kothari (Eds), *Wound Healing Research: Current Trends and Future Directions*.

5. Shrivastava, A., Thakur, S., Nath, T. Abhipsa V. F. Debnath & Sonal R. Bakshi Parental balanced chromosomal rearrangement leading to major genomic imbalance and an autosomal trisomy resulting in consecutive pregnancy loss: a case report. *J Genet* 100, 54 (2021). <https://doi.org/10.1007/s12041-021-01304-3> Published: 23 July 2021.
6. Patel B., Kothari V., Acharya N. (2021) Mainstreaming Traditional Practices for Wound Management. In: Kumar P., Kothari V. (eds) *Wound Healing Research*. Springer, Singapore. https://doi.org/10.1007/978-981-16-2677-7_7.
7. Prasun Kumar, Vijay Kothari (Editors) (2021). *Wound Healing Research: Current Trends and Future Directions*. [ISBN 978-981-16-2676-0; eBook ISBN 978-981-16-2677-7], Springer Nature Singapore Pte Ltd. DOI: 10.1007/978-981-16-2677-7.
8. Shrivastava, A., Thakur, S., Nath, T. Abhipsa V. F. Debnath & Sonal R. Bakshi Parental balanced chromosomal rearrangement leading to major genomic imbalance and an autosomal trisomy resulting in consecutive pregnancy loss: a case report. *J Genet* 100, 54 (2021). <https://doi.org/10.1007/s12041-021-01304-3> Published: 23 July 2021.
9. Patel B., Kothari V., Acharya N. (2021) Mainstreaming Traditional Practices for Wound Management. In: Kumar P., Kothari V. (eds) *Wound Healing Research*. Springer, Singapore. https://doi.org/10.1007/978-981-16-2677-7_7.
10. Prasun Kumar, Vijay Kothari (Editors) (2021). *Wound Healing Research: Current Trends and Future Directions*. [ISBN 978-981-16-2676-0; eBook ISBN 978-981-16-2677-7], Springer Nature Singapore Pte Ltd. DOI: 10.1007/978-981-16-2677-7.
11. Sunny Kumar and Sriram Seshadri. Chapter 4: Targeting the Tripartite Members in Type II Diabetes: Gut Microbiota, Inflammatory Cells and miRNA. In: Duncan, LT (Ed.) *Advances in Health and Disease*, Vol 46, November 2021, ISBN 978-1-68507-180-6 (2021), 79-102.
12. Sriram Seshadri. Chapter 6: Partners in Health and Partners in Crime: Gut-Brain Axis and Circadian Rhythms. In: Duncan, LT (Ed.) *Advances in Health and Disease*, Vol 46, November 2021, (In Press), ISBN 978-1-68507-180-6 (2021), 155-174.
13. Patel B., Kothari V., Acharya N. (2021) Mainstreaming Traditional Practices for Wound Management. In: Kumar P., Kothari V. (eds) *Wound Healing Research*. Springer, Singapore. https://doi.org/10.1007/978-981-16-2677-7_7.
14. Anwasha Mukherjee, Vishwata Patel, Manisha T. Shah, Nasreen S. Munshi (2022). Chapter 29 - Enzymatic and microbial biofuel cells: current developments and future directions, In: “*Handbook of Biofuels*”, Ed. Sanjay Sahay, Academic Press, London, Elsevier Inc., pp. 551-576. ISBN: 9780128228104, DOI: <https://doi.org/10.1016/B978-0-12-822810-4.00029-4>.
15. Vishwata Patel, Anwasha Mukherjee, Manisha T. Shah, Nasreen S. Munshi (2022). Chapter 15 - Scaling-up of microbial electrochemical systems to convert energy from waste into power and biofuel, In: “*Scaling Up of Microbial Electrochemical Systems - Advances in Green and Sustainable Chemistry*”, Editor(s): Dipak Ashok Jadhav, Soumya Pandit, S. Gajalakshmi, Maulin P. Shah, Elsevier Inc., pp. 269-290. DOI: <https://doi.org/10.1016/B978-0-323-90765-1.00015-0>.

16. S. Shriram V. Seshadri, Vijay Kothari, Sanjay Joshi (2022), Antipathogenic Potential of Ferula Asafoetida Essential Oil. In: Pathogenic Bacteria: Pathogenesis, Virulence Factors and Antibacterial Treatment Strategies. Nova Science Publishers, Inc.
17. Sanjay Joshi, Vijay Kothari (2022) Antipathogenic Potential of Ferula Asafoetida Essential Oil. In: Pathogenic Bacteria: Pathogenesis, Virulence Factors and Antibacterial Treatment Strategies. Nova Science Publishers.
18. Priya Patel and Nasreen S. Munshi (2022) Chapter 18- Bacilli and Polyhydroxyalkanoate: An Intracellular Granule Having Promising Feature as a Resource for Production of Bioplastics. In: “Bacilli in Climate Resilient Agriculture and Bioprospecting”. Editor(s): M. Tofazzal Islam, Mahfuz Rahman, Piyush Pandey, Springer, pp. 393-498 DOI: https://doi.org/10.1007/978-3-030-85465-2_18.

Summary

Revenue generated in:

Financial Year	Institutes	Consultancy (Rs.)
2021-22	Institute	6,58,865/-

Dr. Nasreen S. Munshi has taken up a consultancy based on research work provided by Saurashtra Chemicals, Division of Nirma Ltd., Birlasagar, Porbandar titled “Study on effect of soda ash effluent on marine fisheries” in collaboration with Dr. Kaid Johar, Dept. of Zoology, Gujarat University. Sanction date and number: 4500018952 dated 20.03.2021 with total cost of Rs. 15,77,330 (Nirma University Component: Rs. 6,58,865)

Extension Activities/ Community Services by Institute

Jagrut Shah (20MBT048) and Chandni Vora (20MBT057) from M.Sc. Semester-2 initiated socially beneficial activities with the Institute of Science, student association, faculty, and staff members. Jagrut distributed food and other items to the people in slum areas who were out of resources during the pandemic in May 2021. Chandni from Jafrabad distributed ‘rashan’ to the local cyclone affected people in her town in May-June 2021.

M.Sc. students of semester-2 collected used but useful items from Institute of Science staff, faculty members and students for the Blind People Association, Vastrapur, Ahmedabad. They visited BPA in two batches, on March 23 and 25, 2022. Ms. Bela from BPA guided them to observe various activities, received the donated items and explained the methods of engaging specially abled students.

Linkages with National/ International Academic/ Research Bodies

The faculty members are having linkages with

1. THSTI, Faridabad
2. Jawaharlal Nehru University (JNU) New Delhi
3. All India Institute of Medical Sciences, New Delhi

4. National Institute of Immunology (NII) New Delhi
5. Indian Institute of Science (IISc) Bangalore
6. SGPGI Lucknow
7. Maharaja Sayajirao University (MSU) Baroda
8. University of Kolkata, Kolkata
9. Indian Institute of Advanced Research (IIAR), Gandhinagar
10. Gujarat State Biotechnology Mission (GSBTM), Gandhinagar
11. National Institute of Public Health, Gandhinagar
12. Forensic Science Laboratory (FSL) Gandhinagar
13. Gujarat Cancer Research Institute (GCRI), Ahmedabad
14. Xcelris Genomic Lab, Ahmedabad
15. Department of Nanoscience, Central University of Gujarat
16. Supratech Genopath laboratory, Ahmedabad
17. AGILE lab, New Delhi
18. GPS bio, Hyderabad
19. Unipath Laboratory, Ahmedabad
20. Atomwise Inc., USA
21. Dr. Palep Medical Education and Research Foundation, Mumbai
22. Pharmanza Herbals, Anand

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

Ms Siddhi Jani, the Research Associate appointed at the The GSBTM, DST sponsored Bioinformatics laboratory at Institute of Science has actively conducted the practical-training related to bioinformatics for the Semester-II students in M.Sc. Biochemistry, Biotechnology and Microbiology. She attended the online training for machine learning and genomic data analysis for 1 month conducted by DecodeLife in March 2022. She conducted hands-on training for molecular docking, transcriptomics and immunoinformatics where a total of 30 MSc Semester-IV and PhD students participated. The training on RNA, Whole exome sequence data analysis was also conducted for PhD and MSc students. The lab has been extensively used for MSc Semester IV dissertation projects which involve certain bioinformatics tools like 3D structure prediction, primer designing, Whole exome seq data analysis, Molecular docking, Molecular dynamics simulation, 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 MSc dissertation students to complete their bioinformatics related studies. She had introduced students to some major softwares like GROMACS, DASMOND, Galaxy, PyRX. Apart from Institute of Science students, Pharmacy research scholars are also using these facilities. She also collaborated with one of the pharmacy faculty for the bioinformatics study.

Library – Learning Resources added

Sr. No.	Resources	Number
1	Books (Volumes)	47 volumes added, (Total Volume 2,605)
2	Books (Titles)	29 titles added, (Total Title 2,259)
3	Print Periodicals	2 Print periodical canceled, (Total print periodicals 4)

4	E-journals	116 E-Journals added, (Total E-Journals 124)
5	Newspapers	0 Newspaper added, (Total Newspaper 5)
6	Electronic Media (CD-ROMs)	0 CD ROM added, (Total CD ROMs 104)
7	Photo Albums	0 album added, (Total Photo Album 28)
8	Project Reports	0 Project Reports added, (Total Project Report 413)
9	Bound Volumes	0 Bound Volume added, (Total Bound Volume 408)

Laboratory Facilities: Major Addition

Sr. No.	Name of Equipment	Funding Agency	Amount	Faculty
1	Biosafety Cabinet (Class II A2 Make: IMSET & Model No: MS BSC CII-A2 (4*2)	ISNU Budget	Rs.5,80,020/- Qty: 02 Nos.	Dr. Vijay Kothari
2	Magnetic Stirrer with Hot Plate. Make: REMI & Model No: 5MLH	ISNU Budget	Rs.14,500/-	Dr. Nasreen Munshi
3	IVC Ventilator model V-7 IVC cage rack model CRB-48-SS IVC Cage Assembly size B, in polysulphone Const. Comprising (4 th Year & 5 th Year Annual Maintenance Charges)	DBT Project (Animal House)	Rs.7,64,214/-	Prof. Sarat Dalai
4	Gel Documentation System Make: BIO-RADS & Model No: Chemidoc XRS+System with Image Labs Software (Cat No: 1708265) & Model No: White Light Conversion Screen (Cat No: 1708289)	DBT Project	Rs.10,22,500/-	Prof. Sarat Dalai
5	Servo Voltage Stabilizer	DBT Project	Rs.5880/-	Prof. Sarat Dalai
6	Teaching Microscope	ISNU Project	Rs.89,994/- (Qty: 02 Nos)	Dr. Sonal Bakshi

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	257	05	225	44
MSc in Biochemistry		06	241	07
MSc in Microbiology		01	228	38

No. of students receiving government scholarship / fellowship

Two students confirmed receiving post matric scholarship for OBC.

Student Achievements

1. Shrishti Biswas, PhD scholar under Dr. Sonal Bakshi received SHODH Fellowship vide Award Letter for stipend for SHODH Scheme of Education Department, Gujarat.
2. Gemini Gajera, PhD scholar under Dr Vijay Kothari received SHODH Fellowship vide Award Letter for stipend for SHODH Scheme of Education Department, Gujarat.
3. Ms. Shristi Biswas attended Training programme on "Genome-Wide Association Studies" organised by Gujarat Biotechnology Research Centre (GBRC), Gandhinagar from 3rd January to 7th January 2022 at GBRC.
4. Ms. Zeel Bhatia attended "Metagenomic Data Analysis" workshop organised by Gujarat Biotechnology Research Centre (GBRC), Gandhinagar, from 8th to 12nd Nov 2021 at GBRC.
5. Akshita Champaneria and Shalini Rajkumar attended International Conference on Biotechnology for Sustainable Agriculture, Environment and Health (BSAEH-2021) organised by Malaviya National Institute of Technology, Jaipur & The Biotech Research Society India (BRSI), Jaipur. 4-8 Apr, 2021; (Research Excellence Award to Akshita)
6. Ms. Dhriti Shah gave an oral presentation on 'Hyperglycemia affects Syntaxin mediated communication essential for insulin exocytosis in diabetic rats' in International conference on 'New Trends in Chemistry' organised by PP Savani University, Surat on December 4, 2021.
7. Ms. Nirali Shukla presented at the 6th Nirma Institute of Pharmacy International Conference Jointly organised with Indian Pharmacological Society during February 17-19, 2022 and received award for best oral presentation in Clinical Research
8. Mr. Sunny Kumar gave a talk on "Mapping and manipulating the miRNA in diet induced Type-II Diabetes" at International Conference on Current Trends and Progression in Diabetes Research for Better Healthcare system, on March 28-29, 2022. He was awarded with the best Young Researcher Award.
9. Ms. Zeel Bhatia gave an Oral talk on "More Than a Gut Feeling: Emerging Interplay Between Gut Microbes and Bile Acid Receptors in Sugar Rich Diet Induced Type-II Diabetes" at International Conference on Current Trends and Progression in Diabetes Research for Better Healthcare system, on March 28-29, 2022. She was awarded the Best Young Female Researcher Award.
10. Mr. Sunny Kumar gave an Oral talk on "Bacteriocin PJ4 from probiotic lactobacillus reduced adipokine and inflammasome in high fat diet induced obesity" at 6th International diabetes summit virtual 2022 on March 4-6, 2022.

Youth Welfare and Cultural activities

1. **Foundation Day & Teacher's Day Celebration 2021:** On September 6, 2021, the Institute of Science, Nirma University, celebrated its 18th Foundation Day on a digital platform. Prof Manjunath Ghate, Director of Institute of Pharmacy presided over the event. Prof. Satyajit Rath, Adjunct Faculty, Indian Institute of Science Education and Research (IISER), Pune was the chief guest and Prof. Abhinanda Sarkar, Academic Director at Great Learning for Data Science and Machine Learning Programmes and Adjunct Faculty, IISC, Bangalore was the keynote speaker. Prof. Sarat Dalai, Director, Institute of Science welcomed the audience and briefly highlighted the recent achievements of the Institute. Prof. Satyajit Rath's lecture on "High, higher, highest: the changing goalposts of science education" walked the audience through the evolution and current scenario of the science education system.

Prof. Abhinanda Sarkar gave a talk on “Biosciences, Big Data, and Deep Learning”. As a part of the Foundation Day celebrations, three events were organised namely Sci-debate, Sci-toon, and Sci-innovation. Total thirty-five students participated in the different events. The webinar was attended by more than 180 participants and received a great response with active interaction with the speakers.

2. **Teacher’s Day Celebration 2021:** Institute of Science celebrated Teacher’s Day on 6th September 2021. The Student’s Association of Institute of Science (INSSA) felicitated the faculty and staff members.
3. Institute of Science organised the **Annual Fine Arts Festival ‘Colours & Creations -2021-22’ on February 5, 2022.** Competitions were held in five fine art events namely Rangoli, Painting, Face-painting, Collage and Doodling/cartooning.
4. Institute of Science organised **Annual Dance Fest ‘Dance like a Dream 2021-22’ during February 11-14, 2022** under two categories namely Classical/Folk dance – Solo and Bollywood/Contemporary- Solo.
5. Institute of Science organised the **Annual Music Fest ‘Magic of Melodies 2021-22’** under two categories namely Classical/Light vocal & Instrumental – Solo and Bollywood singing-Solo.
6. Institute of Science organised the **Hands on Training Programme on Advance Bioinformatics from January 5-7, 2022.** The programme focused on Molecular Docking & Dynamics, Introduction to Transcriptomics and Immunoinformatics.
7. Institute of Science & Women Development Cell, Nirma University jointly organised an expert talk by **Dr. Veda Krishnan**, Scientist at Division of Biochemistry, ICAR- IARI, New Delhi on "**Forget work-life balance: It's about the BLEND**" as a part of International Women’s Day celebration on **21st February 2022.** Dr. Veda Krishnan is the recipient of the prestigious Fulbright fellowship & currently working at Purdue University, IN, USA as Postdoc Scholar.
8. **International Women’s Day Celebration:** Institute of Science under the aegis of Women Development Cell, Nirma University organised an online University Level Essay writing competition on 5th March, 2022 on the topic “**Attaining Work Life Balance in the Indian Scenario: Concerns and opportunities**” as a part of International Women’s Day celebration. Twenty-three students (16 girls and 7 boys) from various institutes participated in the event. The event was judged by Ms. Renu Meghrajani, Principal, Trinity Mission School, Vyara. Cash prizes of Rs. 1500/-, 1000/- and 500/- were awarded to the First, Second and Third prize winners. Appreciation Certificates were given to consolatory positions. E-certificates were provided to all for their active participation in the event.
9. **National Science Day Celebration:** On February 28th 2022, the Institute of Science, Nirma University, celebrated the National Science Day 2022. This year the theme was ‘Integration of Science and Technology for the Sustainable Future’. Invited speaker Dr. Urszula Krzych, Chief, Cellular Immunology Lab at the US Military Malaria Vaccine Development Programme, Walter Reed Army Institute of Research, USA delivered an expert lecture on “T cell-based Vaccines, Examples from Malaria”. As a part of National Science Day celebration,

four events namely, Essay writing, Sci-biography, Sci-toon, and Sci-model were organised. A total of thirty students participated in these events. Winners were felicitated with trophies and participants were given certificates.

No. of students who have passed the following examinations

ILETS: 4

GRE: 1

TIFR: 1

Placement services to students

1. Some of the key recruiters visited the campus and hired students. They include Aakash Institute, BYJU's, Career Launcher, Career Point, Cliniserve, Emcure Pharmaceuticals, Finecure Pharmaceuticals, Intas Pharmaceuticals, Lambda Therapeutic Research, Meteoric Biopharmaceuticals, Nestle, O2h, Sushen Medicamentos, Syngene International, Torrent Research Center, Veeda Clinical Research, YJ Trivedi & Co, Zydus Research Center, to name a few.
2. The highest number of students were hired by Intas Pharmaceuticals, Lambda Therapeutic Research, Aakash Institute, respectively.
3. Considering the large batch size, BioTechnology students witnessed maximum number of placements.
4. All time high CTC offered for the Academic Year 2021-2022 so far has been 7.35 Lakhs Per Annum.
5. Average CTC offered for the Academic Year 2021-2022 as against previous years has been raised to 3.80 Lakhs Per Annum.

Institute of Law

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Outstanding Achievements and important activities

Rankings

The Institute is ranked 8th among India's top 33 private law colleges by The Outlook, August-2021
The Institute is ranked 7th among India's top 10 private law colleges by India Today, July-2021

Awards

Institute of Law, Nirma University received the prestigious the IP Hall of Fame Honours 2021 Award under the category, "IP Campus of the Year, 2021 (Legal)" for "IP Awareness and Dissemination" activities on September 30th, 2021 from the Intellectual Property Protection Organisation (IPPO), Ahmedabad, an IP Promotion and Outreach Foundation.

The recognition in the form of an Award has been made in two categories:

1. "IP Campus of the Year, 2021 (Legal)"- Centre for IPR, ILNU.
2. "IP Academician of the Year, 2021 (Legal)"- Ms. Gunjan Arora, Head, Centre for IPR, ILNU.

Students Achievements

Ms. Suchetna Chakarborty (20BAL058) from semester III represented the Institute as well as University in National Level Sports Fiesta organised at KIIT Bhubaneswar under Khelo India University Games 2021 in area of Swimming. She participated in 3 formats i.e., Freestyle swimming (100 m), Butterfly (100 m) and Butterfly (200 m). She made the institute proud by bagging a bronze medal in the category of Butterfly (200 m).

Important Activities at a glance

- International Teaching Month (February 2022)
- First ILNU International Arbitration Competition, 2021 (May 7-9, 2021)
- International Webinar Series (October 16, 2021)
- 10th National Moot Court Competition (April 16-18, 2021)
- Symposium on "Copyright Issues in the Indian Film and Entertainment Industry" (May 8, 2021)
- Workshop on Clinical Legal Education (July 19-20, 2021)
- Workshop on Mainstreaming Sustainable Development Goals (July 22-23, 2021)
- Webinar on "Ecosystem Restoration" (June 8, 2021)
- National Youth Summit as a part of Azadi Ka Amrit Mahotsav (January 13, 2022)
- Celebration of International Women's Day (March 7, 2022)
- 55 expert lectures organised
- Foundation Day Celebration (August 20, 2021)
- Conference on IPR and Competition Law (April 16, 2021)
- Orientation Programme (August 24, 2021)
- Legal Awareness Programme organised (December 17, 2021)

Felicitation programme

A felicitation programme was organised by the Institute of Law, Nirma University, on 10th December, 2021 to felicitate contributions made in research by the faculty members of the Institute.

Important Events

International Teaching Month

Institute of Law organised an International Teaching Month from February 8-25, 2022. During this period the Institute invited various experts from across the globe with different domain expertise to conduct the sessions for the students of ILNU. The International Teaching Month has been one of the best practices at the Institute of Law, which has been catering to the needs of the students in widening their horizon through international exposure.

In the International Teaching Month 2022, the Institute hosted over 40 eminent speakers from across the globe. The speakers belong to different parts of the world such as the United States of America, Peru, Hungary, Germany, Italy Czech Republic, Slovakia, Sweden, Spain, London, Australia, Croatia, Russia, Bangladesh, Belgium, Canada and South Africa; from renowned universities but are not limited to, Penn State Law, Hull University, University of Wisconsin, University of Piura, University of Szeged, Faculty of Law-Muni, University of Dhakha, Columbia University, Seattle University, University of Zagreb, Comillas University, and University of Notre Dame, among others.

The resource persons talked on topics such as animal law, prevention of sexual harassment and sexual exploitation and abuse, immigration laws, freedom of speech, human rights, history of policing and race in the US, communication in a cross cultural world, multiculturalism, international investment law, disability and diversity inclusive ADR teaching, developments in international arbitration, analysis of constitutional law and rule of law, artificial intelligence and law, professional ethics for lawyers, drafting of commercial agreements, GAAR provisions and comparisons, principles of tax law drafting, COVID 19 and social protection, German labour law, dispute resolution and mitigating bias in justice system. Besides these sessions, the Institute also offered short intensive courses on Space Law, Investment Treaty Arbitration, US Legal System and Comparative Human Rights.

Conference on IPR and Competition Law

The Centre for Competition Law and Market Study, and the Centre for Intellectual Property Rights at the Institute of Law jointly organised a Conference on "Intellectual Property Rights and Competition Law" on April 16, 2021. The conference majorly dealt with two topics. Session I discussed the Interface of Competition and IPR with a special focus on the Exclusive Distribution Agreement dealt extensively by Mr. KD Raju, Ms. Shilpi Bhattacharya and Ms. Avaanti Kakkar. Session II dealt with the jurisdictional conflicts that arise between the IP Sector Regulator and the Competition Commission of India which was addressed by Mr. Somashekhar Sunderasan, Mr. J Sai Deepak and Ms. Nisha Kaur Uberoi.

Centre for Criminal Law and Justice (CCLJ) organised the 2nd Case Club Discussion on Uttar Pradesh's Anti- Conversion Ordinance on April 11, 2021.

Centre for Criminal Law and Justice (CCLJ) released the 8th issue of Monthly Magazine on the theme "Suicide Laws" on April 15, 2021.

Centre for ADR, ILNU organised a session on "Due to process and Remote Hearing – UNICITRAL Model Law" on April 30, 2021. The keynote panellist for the lecture was Niuscha Bassiri, Partner, Hanotiau and Van Den Berg.

Symposium on Copyright Issues in the Indian Film and Entertainment Industry

The Centre for Intellectual Property Rights, Institute of Law organised a National Symposium on "Copyright Issues in the Indian Film and Entertainment Industry" in collaboration with Intellectual Property Protection Organisation (IPPO) on May 8, 2021. Mr. Rodney D. Ryder, Founding Partner of Scriboard Advocates, and Legal Consultants, New Delhi, and Mr. Nishad Nadkarni, Partner in Intellectual Property at Khaitan & Company, Ahmedabad were the keynotes speakers. The panel

discussed copyright issues that arise in the Film and Entertainment industry, with a focus on piracy challenges in the digital era. Ms Abhilasha Bhatnagar (Partner at Ashraya Legal) was one of the other panellists.

On the occasion of World Intellectual Property Rights Day, The Centre for IPR, in collaboration of IPPO, organised a session on “Virtual Symposium on the Interface of Intellectual Property Rights and Fantasy Sports” on April 24, 2021. Saurabh Nandrekar, Managing Partner, Fidus Law Chambers, talked on the topic ‘Use of third-party Intellectual Property in Fantasy Sports Games’ and Ranjana Adhikari, Co-Head Media and Entertainment and Gaming Law, NDA and Inika Charles, Member of TMT and IP Practice Group, NDA talked on ‘Navigating the Legality of Daily Fantasy Sports in India’.

Virtual Lecture Series on Artificial Intelligence and Legal Regime

Artificial Intelligence (AI) has made swift inroads in policy regimes worldwide. It is undoubtedly the game-changer for predicting individual behaviors and reinforcement of learning techniques in several sectors like finance, healthcare, judiciary, and administration. But such massive involvement of AI in our lives has raised several ethical questions about how AI functions and trains.

Feeling the need to increase dialogue and deliberation in this sector, the Institute of Law, under the Shastri Conference and Lecture Series Grant held a two-day virtual lecture series on the topic of “Artificial Intelligence and legal regime: Addressing issues of Ethics, Justice Administration, Piracy and Transparency” from March 19-20, 2022.

Themes of the 2-day event

- i. Issues of ethics and morality in AI;
- ii. Big data, Data Privacy – opportunity and risks;
- iii. AI and Justice Administration;
- iv. Accountability, Responsibility, and Transparency issues in AI.

Panelists of the 2- day lecture series

1. Prof. Luke Starke, Assistant Professor, Faculty of Information and Media Studies at the University of Western Ontario
2. Dr. Abbas Poorhashemi, President, Canadian Institute for International Law Expertise (FILE), Toronto, Ontario, Canada
3. Mr. Neeraj Sinha, Senior Advisor, NITI Aayog (Think Tank of India)
4. Tushar Bhatnagar, Scientist - A.I., Co-Founder and CEO Alpha
5. Professor Nicolas Vermeys, Assistant Director of the Cyberjustice Lab and Vice-Dean at the Faculty of Law, University of Montreal.
6. Ms. Sharda Balaji, Partner, Novo Juris, Bangalore
7. Dr. Gregor Wolbring, Professor at the University of Calgary's Cumming School of Medicine
8. Zameer Nathani, Senior Vice President and General Counsel, UFO Moviez India Limited, Mumbai
9. Adv. (Dr.) Swapnil Bangali, Advocate & Honorary Director, CICTL, MNLU Mumbai

The session was attended by the students studying in 4th year, BA, LLB and B.Com.LLB, LLM, faculties of ILNU, and participants from other parts of the country and abroad.

International Conference on Energy Trilemma: Emerging Laws, Trending Solutions and Exploring the Way Forward

The Centre for Energy Law, Policy and Strategy (CELPS) organised an International Conference on “Energy Trilemma: Emerging Laws, Trending Solutions and Exploring the Way Forward” on March 10 and 11, 2022 in online mode. The conference had 22 paper presentations. The focus of the conference was to address the problem of the Energy Trilemma which has led to the Energy Crisis; to

suggest necessary actions in order to address the problem of climate change and to bring valuable insights to the energy and electricity sector in terms of policies, programmes, and technology.

International Student's Conference on Human Rights

Institute of Law organised the 10th Edition of International Student's Conference on the theme "Changing Contours of International Humanitarian Laws and Refugee Laws" on February 22, 2022. Hon. Justice Ravi Kumar Tripathi, Chairperson- State Human Rights Commission, Gujarat graced the occasion as the Chief Guest. The event also marked the esteemed presence of Dr Jyotsna Yagnik, Former Principal Judge, City Civil and Sessions Courts, Ahmedabad; and Dr Anup K Singh, Director General-Nirma University.

Dr Madhuri Parikh, Dean and Director, Institute of Law delivered the welcome address. She highlighted the relevance of this conference and the need for deliberations on the issues of human rights in contemporary times. She insisted on the inclusion of such areas of laws in the teaching learning process. She stressed on the importance of teaching about Human rights, teaching through human rights and teaching for human rights.

The conference was divided into various sub-themes, namely: Violation of Human Rights and International Humanitarian Laws against Religious Minorities, The convergence of armed conflict and its effect on the environment, Access to healthcare for asylum seekers and undocumented people, The potential human rights are at stake due to cyber operations, and World's Refugee Crisis Vis-à-vis Right to Self Determination Sexual violence- an inevitable aspect of war.

National Moot Court Competition

The Institute of Law, Nirma University organised the 10th Edition of National Moot Court in collaboration with Competition Commission of India, and Vaish Associates through online mode from April 16, 2021 to April 18, 2021. Forty teams participated in the event. The competition was judged by Mr. Rakesh Kumar, Adviser to the Competition Commission of India, Mr. Anand Vikas Mishra, Joint director CCI and Mr. M. M. Sharma, Head, Competition Law, Vaish Associates.

National Conference of Law Students

Six students of undergraduate programmes accompanied by two faculty members from the Institute namely participated in one-day event organised at the Parliament of India, New Delhi on November 25, 2021 by the Indian Parliamentary Group on the eve and account of the National Constitution Day. The dignitaries for the event were the Hon'ble Law Minister of India, Mr. Kiren Rijiju, Hon'ble Speaker of the Lok Sabha, Mr. Om Birla, and the Hon'ble Deputy Chairman of Rajya Sabha, Mr. Harivansh Narayan Singh. The theme for the event was 'Separation of Powers under the Indian Constitution'.

Seminar/Webinar Series

Institute of Law in collaboration with the Faculty of Law, University of Johannesburg, South Africa organised a four-part international webinar series on 'Social Justice Continuum in Comparative Context: Indian and South African Perspectives on Equality, Labour Law and Legal Education' during September and November 2021. The first seminar of the webinar series was organised on the theme 'Equality and Anti-Discrimination Law' on 18th September, 2021. The speakers at the event were Miss Meghan Finn, Lecturer, Department of Public Law, University of Johannesburg; Mr Anand Grover, Senior Advocate, Supreme Court of India; Mr Manvendra Singh Gohil, Founder, Lakshya Trust, Champion of rights of LGBTQI+; Miss Leoni Van der Merwe, Lecturer, Department of Practical Business Law, University of Johannesburg; and Ms Shreya Srivastava, Assistant Professor, Institute of Law, Nirma University. The first technical session was on 'The Rights and Realities of LGBTQI+ Communities' and the second on 'Commitments to CEDAW'.

Expert Talk by Justice Mr. V. M. Pancholi

Institute of Law organised an expert talk by Justice V M Pancholi on February 26, 2022. He talked about Article 21 of the constitution along with the lines of importance of having a balance between the personal liberty and right to equality of the accused. He talked about Code of Criminal Procedure and the provisions of bail mentioned in it. Justice Pancholi further explained the stages of bail.

International Arbitration Competition

The Centre for Alternate Dispute Resolution (CADR), Institute of Law in association with the International Court of Arbitration and ICC India organised the First ILNU International Arbitration Competition, 2021 from May 7-9, 2021.

Clinical Legal Education

A workshop on clinical approaches in teaching learning process was organised for all the faculty members of Institute of Law during January 1-3, 2022. Dr. Jyotsnaben Yagnik, Mr Dinesh L Patel and Mr Kashyap Joshi, Clinical Professors of Institute of Law conducted the workshop.

Cartoon Making Competition

The Literary committee conducted a Cartoon Making Competition on the occasion of Gandhi Jayanti. The theme for the competition was "A Glimpse of Contemporary India through the eyes of Gandhiji". Rakshita Singh (21BAL128) was the winner of the competition. Whereas, Akshat Jain (21BAL087) and Rishi Kothari's (20BBL047) cartoons were selected as the best entries.

Events organised to celebrate Azadi ka Amrit Mahotsav

NSS Unit, ILNU visited the Gokul Ashram that is the adopted school of NSS, ILNU. Furthermore, the NSS Unit and Mission Sangharsh conducted a blood donation drive on October 20, 2021 to celebrate 75th Azadi ka Amrit Mahotsav in collaboration with Prathama Blood Centre.

Letter Writing Competition

Centre for Environmental Law, Nirma University organised a Letter-Writing Competition on the occasion of International Day for the Preservation of the Ozone Layer on September 16, 2021. The topic for the competition was "Letter from the Future Generation".

Photo Walk

Club Avlokan organised a Photo walk on October 3, 2021 comprising a tour of various places of heritage and interest in and around Ahmedabad. The Photo walk started from Kalupur Swaminarayan temple and ended at Jumma (Jama) masjid. It covered altogether 22 destinations in around 3 hours. Avlokan arranged two informal 'Photo walks' in the month of November. The In-campus photo walk had students divided into various groups and click pictures in the campus. The second one was at Adalaj Stepwell. People were divided into various groups. They had to click pictures of the historical monuments.

Legal Awareness Programme

The Legal Aid Clinic, Institute of Law organised a Legal Awareness Programme at Siddharth Law College, Gandhinagar on December 17, 2021. Prof DL Patel, Clinical Professor-ILNU delivered the session on the theme "How to put-up defence in a criminal trial?" A detailed analysis was given to the students on the aspects of examination of witness and how to contradict. The session was concentrated on the techniques to create doubts and to give acquittal to the accused. The final year students were informed about the nuances of practice in criminal law. Mr. Devang Chhatrapti, Assistant Professor-ILNU provided information about Legal Aid Clinic activities of Nirma University.

Fresher's Online Dance Competition

Dance Committee organised a Freshers Online Dance Competition 2021 exclusively for the batch 2021-2026 to give a chance to the new batch to showcase their dancing skills. Shriyanshi Dubey was declared winner of the online dance competition held during October 16-18, 2021.

International Webinar Series

Institute of Law, Nirma University organised the second edition of webinar series as part of a four-part international webinar series on 'Social Justice Continuum in Comparative Context: Indian and South African Perspectives on Equality, Labour Law and Legal Education' in collaboration with the University of Johannesburg, South Africa. The webinar 'Labour and Market Access' was conducted on October 16, 2021. The speakers at the event were Prof. Elmarie Fourie, Head of Department, Department of Public Law, University of Johannesburg; Prof. Babu Mathew, Professor, National Law School of India University, Bangalore; Dr. Devisha Sasidevan, Assistant Professor, Centre for Livelihoods and Social Innovation, School of Social Work, Tata Institute of Social Sciences (TISS), Mumbai; Prof. Irudaya Rajan, Chairman, The International Institute of Migration and Development, Kerala; and Prof. Marius Van Staden, Associate Professor, Department of Public Law, University of Johannesburg. The first sub-theme of the session was 'Future of the workforce: Legal developments and the informal economy in India and South Africa'. The second sub-theme of the session was 'Climate change and vulnerabilities of migrant labourers/workers'.

Foundation Day Celebration

Institute of Law celebrated its 15th Foundation Day on August 18, 2021. The virtual programme was graced by the esteemed presence of Padma Shri Anuradha Paudwal– the renowned playback singer, as the Chief Guest. Dr. Anup K. Singh, Director General, Nirma University presided over the function. The event also witnessed the presence of Dr. Purvi Pokhariyal, Dean, School of Law, National Forensic Sciences University. A special session was also organised in the evening with Mr. Mohammed Dilawar, Founder, Nature Forever Society, as the Guest of Honour. Ms Anuradha Paudwal in her session on "Music and Devotion" highlighted the role of music in everyone's life. She outlined the role of music in human life, and pointed out the curative power of melody. She stressed that music helps in calming down nerves and helps a great deal in one's holistic development.

As part of the foundation day celebrations a musical event and a poetry recitation event was also organised by the students.

Orientation Programme

Institute of Law organised the virtual inaugural ceremony of its Orientation and Induction Programme for the undergraduate Five year Integrated B.A., LL.B (Hons) and B.Com., LL.B. (Hons) students on August 24, 2021. The event was graced by the presence of Mr Saurabh Soparkar, Senior Advocate, Gujarat High Court as the Chief Guest. Dr. Anup K. Singh, Director General, Nirma University presided over the function.

Mr Sourabh Soparkar in his address talked on the attributes to be a successful professional. He reflected on his own journey as to how a first -generation law student coming from a suburban or rural background with difficulties in the English language become successful in the law field. He stressed that there is no short cut to success and hard work and perseverance are the essential qualities to achieve success.

Dr Madhuri Parikh, Director and Dean (I/c.) Institute of Law welcomed the new batch and oriented the students about innovative curriculum and teaching-learning process at the institute.

Workshop on Clinical Legal Education

Institute of Law organised an online Clinical Legal Education Workshop on "Socially Relevant and Professionally Ready Programme" during July 19-20, 2021. The keynote speakers of this workshop were Dr. MRK Prasad, Professor of Law, V. M. Salgaocar College of Law, Goa; Dr. Purvi

Pokhariyal, Professor and Dean, School of Law, Forensic Justice and Policy Studies, NFSU, Gujarat; Mr. Abhayraj Naik, Researcher and Consultant, Visiting Faculty, Azim Premji University and NLS Bangalore; Dr. Babugouda S. Patil, Associate Professor, V. M. Salgaocar College of Law, Goa; and Dr. Kalpesh Gupta, Associate Professor, Parul University, Gujarat.

Workshop on Mainstreaming Sustainable Development Goals

Institute of Law organised a workshop on Mainstreaming Sustainable Development Goals on July 22-23, 2021. The workshop aimed at integrating Sustainable development goals (SDGs) in the curriculum, research and community outreach and for capacity building of faculty members. The distinguished resource persons included Dr. Rajesh Tandon (Founder- Society for Participatory Research in Asia), Mr. Kartikey Sarabhai (Director- Centre for Environment Education), Ms Nupur Sinha (Managing Trustee- Centre for Social Justice) and Dr. Purvi Pokhariyal (Dean-School of Law, Forensic Justice and Policy Studies, National Forensic Sciences University). The workshop aimed to design a critical pedagogy especially for law schools running integrated 5-year course to develop and build a long-term institutional approach to address the immediate challenges that lies ahead in creating a meaningful public oriented discussion, dialogue and action research to understand and disseminate possible blueprint to achieve sustainable development.

The resource persons emphasised on experiential teaching, learning and research. They also emphasized on fostering social responsibility and community engagement in higher educational institutions in India.

Workshop for Theatre Enthusiast

A Workshop on Theatre was organised by Pratibimb, the Theatre Club of Institute of Law on November 22-23, 2021. The goal of this workshop was to build intellectual and aesthetic understanding of the craft and technique of theatre arts. To develop an appreciation of and respect for the various roles/aspects inherent within the theatrical process. To explore the diversity of theatre and its intersection with community, culture and society. The workshop was conducted by the Akshat Drama Group.

Blog Writing Competition

The Centre for Corporate Law Studies (CCLS) organised the Blog Writing Competition on the theme of 'Ending Child Labour through Business' in June 2021. The winner of this competition was Gaurav Agarwal (20BBL084). Harsh Dogra (20BBL085), and Aayam Yashlaha (20BAL002) were the Runners Up.

Webinar on Ecosystem Restoration

The Centre for Environmental Law, Institute of Law in collaboration with Wildlife Crime Control Bureau, Western Region, Ministry of Environment, Forest & Climate Change, Government of India organised a webinar on “Ecosystem Restoration” on June 8, 2021. Shri Warkad Yogesh Nilkanth, IFS, Regional Deputy Director, WCCB, WR, Navi Mumbai; Dr. Madhuri Parikh, Associate Professor & Head, Centre for Environmental Law, Institute of Law, Nirma University; Dr. Alpan Sharma, Principal, SS Jain Subodh Law College, Jaipur; and Shri N. Maranko, Assistant Director, WCCB, Navi Mumbai were the keynote speakers.

A Case Study of Nirma Law School

The team comprising of Dr. Purvi Pokhariyal, Dr. Tarkesh Molia, Prof. Dr. Varsha Ganguly, Mr. Arpit Sharma, Mr. Alaukik Shrivastava and Mr. Suryanshu Gupta recently presented a field report on “Justice Education Through Lawyers Incubation Clinic- A Case Study of Nirma Law School” in the GAJE/IJCLE/ACCLE Worldwide Online Conference - "Turning Challenges into Opportunities: Justice Education in Times of Crises" from June 16-18, 2021. The field report along with the video submission highlighted the tasks completed by the clinic in the form of legal sensitisation through classroom training, street law initiatives and litigation activities.

Session on Environmental Impact Assessment 2020

Centre for Environmental Law organised a session on Environmental Impact Assessment 2020 on September 23, 2021. The session was conducted by Mr. Kush Tanvani, an alumnus of Institute of Law, Nirma University. Currently he is employed as Research Associate at Centre for Policy Research.

Panel Discussion

Institute of Law in association with Neetigya Legal Consultant LLP organised a panel discussion on “Gaming Law in India” on March 5, 2022. The first panel addressed the public interest concerns in Gaming, which consisted of Mr. Gopal Jain (Senior Counsel), Ms. Ranjana Adhikari (Partner, Indus law, New Delhi), Mr. Shambhi Singh (IAS Retd.) and Mr. Alaukik Shrivastava (Asst. Professor, Institute of law, Nirma University). The second panel addressed the Industry Perspectives on Gaming Law, which consisted of Mr. Anwar Shirpurwala (CEO, FIFS), Mr. Sunil Krishnamoorthy (General Secretary, AIGF), Mr. Amrit Mathur (General Secretary, AIGF), and Mr. Rahat Khanna (E-Gaming Federation). The focused group discussion brought forth issues relevant to the current advancements in this domain, which engaged and motivated the students to pursue further research in Gaming Laws.

Celebration of International Women’s Day

Institute of Law on the occasion of International Women’s Day, 2022 organised a session titled “Breast Cancer Awareness” on March 7, 2022. The speaker of the session was Dr. Shital Punjabi (MD and DGO, Shashvat IVY and Women’s Hospital, Ahmedabad).

Dignitaries visited: 111

Sr. No.	Name of Dignitary	Designation	Date
1	Mr. Anand Vikas Mishra	Joint director Competition Commission of India	16.04.2021 to 18.04.2021
2	Mr. M.M. Sharma	Head, Competition Law Vaish Associates	16.04.2021 to 18.04.2021
3	Mr. Rakesh Kumar	Adviser to the Competition Commission of India	16.04.2021 to 18.04.2021
4	Saurabh Nandrekar	Managing Partner, Fidus Law Chambers	24.04.2021
5	Ranjana Adhikari	Co-Head, Media and Entertainment and Gaming Law, NDA	24.04.2021
6	Inika Charles	Member of TMT and IP Practice Group, NDA	24.04.2021
7	Ms. Gopi Trivedi	Patent Attorney and Sr. Partner, Y. J. Trivedi & Co.	28.04.2021
8	Ms. Albertine Almeida	A human rights activist, gender trainer and independent researcher	26.04.2021 to 30.04.2021
9	Niuscha Bassiri	Partner, Hanotiau & Van Den Berg	30.04.2021
10	Mr. Percy Bharucha,	Managing Director, Kalupur Commercial Co-op Bank Limited	05.04.2021
11	Advocate Karan Valecha	Supreme Court Advocate	15.04.2021
12	Dr. Neeti Shikha	Head, Centre for Insolvency and Bankruptcy, Indian Institute of Corporate Affairs	17.04.2021
13	Ms. Meena Rajgor	An NGO worker	26.04.2021

14	Mr. Manendra Singh	Associate Partner at Economic Laws Practice, Mumbai (ELP)	02.05.2021
15	Mr. Rodney D. Ryder	Founding Partner of 'Scriboard Advocates, and Legal Consultants' New Delhi	08.05.2021
16	Mr. Nishad Nadkarni	Partner in "Intellectual Property" at Khaitan & Co	08.05.2021
17	Ms Abhilasha Bhatnagar	Partner at Ashraya Legal	08.05.2021
18	Shri Warkad Yogesh Nilkanth	IFS, Regional Deputy Director, WCCB, WR, Navi Mumbai	08.06.2021
19	Dr Alpan Sharma	Principal, SS Jain Subodh Law College, Jaipur	08.06.2021
20	Shri N. Maranko	Assistant Director, WCCB, Navi Mumbai	08.06.2021
21	Miss Meghan Finn	Lecturer, Department of Public Law, University of Johannesburg	18.09.2021
22	Mr Anand Grover	Senior Advocate, Supreme Court of India	18.09.2021
23	Professor Sarel Du Toit	University of Johannesburg	18.09.2021
24	Professor Wesahl Domingo	University of Johannesburg	18.09.2021
25	Professor Elmarie Fourie	University of Johannesburg	18.09.2021
26	Smt. Anuradha Paudwalji	Playback singer	18.08.2021
27	Mr. Mohammed Dilawar,	Founder, Nature Forever Society	18.08.2021
28	Mr Saurabh Soparkar	Senior Advocate, Gujarat High Court	24.08.2021
29	Prof. (Dr.) MRK Prasad	Professor of Law, V. M. Salgaocar College of Law, Goa	19.07.2021
30	Mr. Abhayraj Naik	Researcher and Consultant, Visiting Faculty, Azim Premji University and NLS Bangalore	19.07.2021
31	Dr. Babugouda S. Patil	Associate Professor, V. M. Salgaocar College of Law, Goa	20.07.2021
32	Dr. Kalpesh Gupta	Associate Professor, Parul University, Gujarat	20.07.2021
33	Dr. Rajesh Tandon	Founder- Society for Participatory Research in Asia	22.07.2021 & 23.07.2021
34	Mr. Kartikey Sarabhai	Director- Centre for Environment Education	22.07.2021 & 23.07.2021
35	Ms Nupur Sinha	Managing Trustee- Centre for Social Justice	22.07.2021 & 23.07.2021
36	Mr. Essenese Obhan	Managing partner, Obhan and Associates	24.07.2021
37	Ms Namrata Chadha	Partner, K&S Partners	24.07.2021
38	Ms Archana Shanker	Senior Partner, Anand and Anand	24.07.2021
39	Mr. Lavin Hirani	Associate Partner Naik Naik & Co.	28.08.2021
40	Mr. Bharadwaj Jaishankar	Partner, Indus Law	28.08.2021
41	Mr. Zameer Nathani	Senior Vice President and General Counsel, UFO Moviez India Ltd	25.09.2021
42	Mr. Abhishek Malhotra	Managing and Founding Partner, TMT Law Practice	25.09.2021
43	Mr. Kush Tanwani	Research Associate at Centre for Policy Research	23.09.2021

44	Prof. N. K. Pathak	Former Director, University School of Law, Gujarat University	31.08.2021
45	Dr. S. P. Rathore	Professor, School of Law, Gujarat University	17.08.2021
46	Dr. K. Parameswaran	Gujarat National Law University	02.08.2021
47	Dr. Syamjith P.	Law Officer by profession providing Legal Support to Banking Sector	11.09.2021
48	Mr. Punit Juneja	Advocate, High Court of Gujarat	24.09.2021
49	Prof. Elmarie Fourie	Head of Department, Department of Public Law, University of Johannesburg	16.10.2021
50	Prof. Babu Mathew	Professor, National Law School of India University, Bangalore	16.10.2021
51	Dr. Devisha Sasidevan	Assistant Professor, Centre for Livelihoods and Social Innovation, School of Social Work, Tata Institute of Social Sciences (TISS), Mumbai	16.10.2021
52	Prof. Irudaya Rajan	Chairman, The International Institute of Migration and Development, Kerala	16.10.2021
53	Prof. Marius Van Staden	Associate Professor, Department of Public Law, University of Johannesburg	16.10.2021
54	Prof. (Dr.) Uday Shankar	Professor and Registrar, Hidayatullah National Law University, Raipur	04.12.2021
55	Prof. (Dr.) Yogesh Pratap Singh	Professor and Registrar, National Law University, Odisha	04.12.2021
56	Dr. Afroz Alam	Head of Department, Department of Political Science, Maulana Azad National Urdu University, Hyderabad	04.12.2021
57	Mr. Prabjot Singh Bhullar	Independent Legal Counsel, Infrastructure Law	08.12.2021
58	Ms Deeksha Manchanda	Partner, Chandhiok & Mahajan	03.10.2021 to 10.10.2021
59	Mr. Mehul Parti	Managing Associate, Chandhiok & Mahajan	03.10.2021 to 10.10.2021
60	Mr. Vikram Sobti	Partner, Chandhiok & Mahajan	03.10.2021 to 10.10.2021
61	Mr. Akshay Nanda	Counsel, Trilegal	03.10.2021 to 10.10.2021
62	Mr. Bharat Budholia	Partner, AZB & Partners	03.10.2021 to 10.10.2021
63	Mr. Anshuman Sakle	Partner, Cyril Amarchand Mangaldas	03.10.2021 to 10.10.2021
64	Ms. Binsy Susan	Partner, Shardul Amarchand Mangaldas & Co.	09.12.2021
65	Dr Mukul Shastry	Vice President, Welspun Group and Legal Head, Welspun Enterprises Limited	27.11.2021
66	Mr Aditya Jain	Advocate on Record at the Hon'ble Supreme Court of India	19.11.2021
67	Ms. Vindhya Gupta	Assistant Professor, ILS Law College	27.11.2021
68	Mr. Gopal Jain	Senior Counsel	05.03.2022

69	Ms. Ranjana Adhikari	Partner, Indus Law, New Delhi	05.03.2022
70	Mr. Shambhi Singh	IAS Retd.	05.03.2022
71	Mr. Anwar Shirpurwala	CEO, FIFS	05.03.2022
72	Mr. Sunil Krishnamoorthy	General Secretary, AIGF	05.03.2022
73	Mr. Amrit Mathur	General Secretary, AIGF	05.03.2022
74	Mr. Rahat Khanna	E-Gaming Federation	05.03.2022
75	Dr. Shital Punjabi	MD and DGO, Shashvat IVY and Women's Hospital, Ahmedabad	07.03.2022
76	Mr. Kushagra Pandey	Assistant Vice President, Think Capital Insolvency, LLP	25.03.2022 to 29.03.2022
77	Mr. Chintan Shah	Senior Manager, (merger and Acquisition), Deloitte India	25.03.2022 to 29.03.2022
78	Mr. Jainam Shah	Compliance Officer, Senior Manager (Legal and Compliance), Deloitte India	25.03.2022 to 29.03.2022
79	Prof. Dr. Adam D. Dubin	Director of Department of International Public Law, Comillas University	21.02.2022 to 24.02.2022
80	Dr. András Hárs	Department of International Law Ludovika-University of Public Service, Budapest	15.02.2022 & 19.02.2022
81	Dr. Bernard Schneider	Senior Lecturer in International Tax Law Academic Director, Institute of Tax Law	21.02.2022
82	Prof. Carlos Hakansson	Professor of Constitutional law and Jean Monnet Chair-holder at the University of Piura, Peru	11.02.2022
83	Dr. Crina Baltag	Associate Professor in International Arbitration Director, International Commercial Arbitration Law LL.M, Stockholm, Sweden	24.02.2022
84	Prof. Davor Derenčinović	Professor of Criminal Law and Criminology, Faculty of Law, University of Zagreb, Croatia	09.02.2022
85	Prof. Dietmar Boerner	Professor, Business law, HoF University, Germany	23.02.2022 to 25.02.2022
86	Prof. Dmitry Poldnikov	Professor, Faculty of law, Higher School of Economics University, Russia	11.02.2022
87	Prof. Elmarie Fourie	Head of Department: Public Law, Faculty of Law, University of Johannesburg, South Africa	09.02.2022
88	Prof. Gopal Balachandran	Assistant Professor of Clinical Law Director, Externships Programme Co-Director, Indigent Criminal Justice Practicum Penn State Law, USA	08.02.2022
89	Dr. Kabir A.N. Duggal	Attorney, Arnold & Porter Lecturer-in-Law, Columbia Law School Columbia University, New York, USA	14.02.2022

90	Dr. Katarína Chovancová	Senior Research Fellow, Institute of State and Law, The Slovak Academy of Sciences, Slovakia	14.02.2022
91	Prof. Letlhokwa Mpedi	Deputy Vice Chancellor, Academic MEC University of Johannesburg, South Africa	25.02.2022
92	Prof. Mansi Karol	Director of ADR Services, Commercial Division, American Arbitration Association, New York, USA	14.02.2022
93	Dr. Michal Radvan	Vice-Dean for foreign and external affairs Associate Professor Masaryk University, Czech Republic	21.02.2022
94	Judge Mel Flanagan	Former Circuit Judge & Adjunct Professor University of Wisconsin Sarajevo, USA	25.02.2022
95	Prof. Monika Batra Kashyap	Affiliate Faculty, Ronald A. Peterson Law Clinic Associate Director, India Centre for Law and Justice, Seattle University School of Law, Columbia, USA	09.02.2022
96	Dr. Muhammad Ekramul Haque	Professor of Constitutional Law and Comparative Constitutional Law at the Department of Law, University of Dhaka	15.02.2022
97	Dr. Nelson Dordelly-Rosales	Assistant Professor and Head of Department of International and European Law in Vesalius College, Brussels, Belgium	10.02.2022
98	Dr. SC. Petar Bačić	Full Professor of Constitutional Law, Vice-Dean for International Cooperation Faculty of Law, University of Split, Croatia	15.02.2022
99	Dr. Peter Mezei	Associate Professor Faculty of Law, Szeged Law School, Hungary	11.02.2022
100	Dr. Rajesh Sharma	Senior Lecturer, RMIT University, Melbourne, Australia	14.02.2022
101	Prof. Raphael Cohen-Almagor	Director, MESHG School of Politics and International Studies University of Hull, United Kingdom	11.02.2022
102	Dr. Ricky J. Lee	Adjunct Professor of Law, University of Notre Dame, Australia and Intellectual Forum Senior Research Associate, Jesus College, University of Cambridge, United Kingdom	16.02.2022 to 21.02.2022
103	Prof. Sarah Van Stad	Associate Lawyer, DER Juridik, Stockholm, Sweden	17.02.2022 & 18.02.2022
104	Prof. Sarah Steele	Deputy Director of the Intellectual Forum, Jesus College, Cambridge, Senior Research Associate in Cambridge Public Health, University of Cambridge School of Clinical Medicine	10.02.2022
105	Prof. Stephen G. Barnes	Assistant Dean of Graduate and International Programs Penn State Law, University of Pennsylvania, USA	16.02.2022 to 18.02.2022
106	Dr. Steve Robinson	Special Advisor, Office of the Secretary, US Department of Education, USA	15.02.2022

107	Dr. Tamas Pongo	Senior Lecturer, University of Szeged, Hungary	10.02.2022
108	Prof. Thomas P. Valenti	Attorney, Arbitrator (FCIArb), Mediator, Facilitator, Chicago, USA	09.02.2022
109	Dr. Venkat Iyer	Barrister at Law and Professor, Ulster University, UK	14.02.2022 to 16.02.2022
110	Prof. V. Victoria Shroff	Animal Law Lawyer, Shroff & Associates, Barristers and Solicitors, Canada	08.02.2022
111	Prof. Ylli Dautaj	Partner, Der Juridik, Stockholm and Adjunct Professor, Pennsylvania State University, Penn State, USA	16.02.2022 to 18.02.2022

I. Curricular Aspects:

- **New courses being offered - 10**

Law of Taxation	Sem-VII
Labour and Industrial Law-I	Sem-VII
Merger and Acquisition	Sem-VII
Criminal Psychology	Sem-VII
Copyright Law, Prospects and Protection	Sem-VII
Law on Education	Sem-VII
Financial Market Regulation	Sem-VII
Penology and Victimology	Sem-VII
Trademark Design and Practice	Sem-VII
Drafting Skills – III (Conveyancing)	Sem-VII

- **New Interdisciplinary courses – 2**

Law and Public Policy (Institute Elective)	Sem-VII
Banking and Negotiable Instrument Act (Inst Elec.)	Sem-VII

- **No. of courses where major revision is made – 1**

Property Law	Sem-VII
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- **Any other Initiative/Innovation in curricular design**

- Curriculum structure revised/shifted as per the changing trend of the profession in legal market.
- SDG related discussion added in all core courses.
- Clinical approach followed in teaching skill-based courses.

II. Teaching-Learning and Evaluation:

- **Faculty completed/pursuing Ph.D**

Faculty Completed Ph.D. - Dr Neeraj Gupta
Faculty Pursuing Ph.D. – 22

- **Innovation in Teaching - learning & evaluation**

- **Internationalisation @ ILNU** - With a view to provide international exposure to the students, the Institute invited foreign faculty experts from across the world to teach and interact with the students.
- **Capstone Course**
- **Students are engaged in the research activities in the first year to get exposure and to encourage them to do research.**
- **More emphasis on Project based learning**
- **Activities to sustain healthy practices**
 - . Blended pedagogies
 - . CR/BR (Class Representative/Bench Representative) meeting conducted at regular interval to update and to discuss academic/administrative matter.
 - . Periodic Feedback system from stakeholders.
 - . Regular industrial visits for getting industrial exposure to the students and also experts from different industries are invited for expert lectures.
 - . Input from Alumni members in the curriculum and also conducting special alumni lecture series.
- **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
- **Number of faculty development programmes availed by faculty - 2**

Dr Madhuri Parikh attended virtual FDP on Environmental Law and Sustainable Development organised by VIT School of Law during 26.03.2021 to 01.04.2021.

Prof. Varsha Ganguly participated in a virtual programme on 'Applying Design Thinking to Advancing SDGs in South Asia' by the Knowledge2Action South Asia Cluster of Cooperation (CLOC) on 24th January 2022.

Expert Lectures

Sr. No.	Name of Expert	Designation	Topic	Date
1	Dr. Adam D. Dubin	Director of Department of International Public Law, Comillas University	Comparative Human Rights	21.02.2022 to 24.02.2022
2	Dr. András Hárs	Department of International Law, Ludovika-University of Public Service, Budapest	1. Artificial Intelligence and International Law	15.02.2022 & 19.02.2022

			2. Sexual Exploitation and Abuse in UN Peace Operations	
3	Dr. Bernard Schneider	Senior Lecturer in International Tax Law, Academic Director, Institute of Tax Law	A comparative study of the efficacy of the GAAR provisions of India and UK	21.02.2022
4	Prof. Carlos Hakansson	Professor of Constitutional law and Jean Monnet Chair-holder at the University of Piura, Peru	The Constitution as an anthropological or sociological document.	11.02.2022
5	Dr. Crina Baltag	Associate Professor in International Arbitration Director, International Commercial Arbitration Law LL.M, Stockholm, Sweden	Dispute Resolution and Art	24.02.2022
6	Prof. Davor Derenčinović	Professor of Criminal Law and Criminology, Faculty of Law, University of Zagreb, Croatia	Human rights protection in Europe	09.02.2022
7	Prof. Dietmar Boerner	Professor, Business law, HoF University, Germany	Introduction to German Labour Law	23.02.2022 to 25.02.2022
8	Prof. Dmitry Poldnikov	Professor, Faculty of law, Higher School of Economics University, Russia	Ambivalence of procedural and material approaches to justice within European legal traditions	11.02.2022
9	Prof. Elmarie Fourie	Head of Department: Public Law, Faculty of Law, University of Johannesburg, South Africa	Sexual Harassment in the Workplace	09.02.2022
10	Prof. Gopal Balachandran	Assistant Professor of Clinical Law; Director, Externships Programme; Co-Director, Indigent Criminal Justice Practicum, Penn State Law, USA	The History of Policing and Race in the United States	08.02.2022
11	Dr. Kabir A.N. Duggal	Attorney, Arnold & Porter Lecturer-in-Law, Columbia Law School Columbia University, New York, USA	Key Developments to look out in international arbitration	14.02.2022
12	Dr. Katarína Chovancová	Senior Research Fellow, Institute of State and Law, The Slovak Academy of Sciences, Slovakia	The Force Majeure and its Current Importance in International Investment law	14.02.2022
13	Prof. Letlhokwa Mpedi	Deputy Vice Chancellor, Academic MEC University of Johannesburg, South Africa	Covid-19 and the Social Protection in SADC - (Southern African Development Community) impact,	25.02.2022

			responses and lessons – Regional Perspective	
14	Prof. Mansi Karol	Director of ADR Services, Commercial Division, American Arbitration Association, New York, USA	Key Developments to look out in international arbitration	14.02.2022
15	Dr. Michal Radvan	Vice-Dean for foreign and external affairs, Associate Professor, Masaryk University, Czech Republic	Principles of Tax Law Drafting	21.02.2022
16	Judge Mel Flanagan	Former Circuit Judge & Adjunct Professor, University of Wisconsin, Sarajevo, USA	Mitigating Bias in the Justice System	25.02.2022
17	Prof. Monika Batra Kashyap	Affiliate Faculty, Ronald A. Peterson Law Clinic Associate Director, India Centre for Law and Justice, Seattle University School of Law, Columbia, USA	“The White Supremacist Roots of U.S. Immigration Laws: The Impact of the Eugenics Movement on Immigrant Exclusion in the U.S.” And “Study Abroad”	09.02.2022
18	Dr. Muhammad Ekramul Haque	Professor of Constitutional Law and Comparative Constitutional Law at the Department of Law, University of Dhaka	Constitutional Borrowing and Transplants in Bangladesh with a focus on the Influence of Indian Constitutional law	15.02.2022
19	Dr. Nelson Dordelly-Rosales	Assistant Professor and Head of Department of International and European Law in Vesalius College, Brussels, Belgium	The Human Right to Democracy and the rise of authoritarianism	10.02.2022
20	Prof. Dr. SC. Petar Bačić	Full Professor of Constitutional Law, Vice-Dean for International Cooperation Faculty of Law, University of Split, Croatia	Rule of Law and Constitutional Review	15.02.2022
21	Dr. Peter Mezei	Associate Professor Faculty of Law, Szeged Law School, Hungary	Copyright and Platform Legislation of the European Union	11.02.2022
22	Dr. Rajesh Sharma	Senior Lecturer, RMIT University, Melbourne, Australia	Disability and Diversity Inclusive ADR Teaching and Training	14.02.2022
23	Prof. Raphael Cohen-Almagor	Director, MESH School of Politics and International Studies University of Hull, United Kingdom	Just, Reasonable Multiculturalism	11.02.2022
24	Dr. Ricky J. Lee	Adjunct Professor of Law, University of Notre Dame, Australia, and Intellectual	Space Law	16.02.2022 to 21.02.2022

		Forum Senior Research Associate, Jesus College, University of Cambridge, United Kingdom		
25	Prof. Sarah Van Stad	Associate Lawyer, DER Juridik, Stockholm, Sweden	Drafting of Commercial Agreements, Shareholder Agreements	17.02.2022 & 18.02.2022
26	Prof. Sarah Steele	Deputy Director of the Intellectual Forum, Jesus College, Cambridge, a Senior Research Associate in Cambridge Public Health, University of Cambridge School of Clinical Medicine	Global Health Law and Governance: the need to think about non-communicable diseases in the post-pandemic period	10.02.2022
27	Prof. Stephen G. Barnes	Assistant Dean of Graduate and International Programmes, Penn State Law, University of Pennsylvania, USA	US Legal System	16.02.2022 to 18.02.2022
28	Dr. Steve Robinson	Special Advisor, Office of the Secretary, US Department of Education, USA	Artificial Intelligence and the Law	15.02.2022
29	Dr. Tamas Pongo	Senior Lecturer, University of Szeged, Hungary	The freedom of speech in light of the Facebook Oversight Board's decisions	10.02.2022
30	Prof. Thomas P. Valenti	Attorney, Arbitrator (FCIArb), Mediator, Facilitator, Chicago, USA	Communication in a Cross-cultural World	09.02.2022
31	Dr. Venkat Iyer	Barrister at Law and Professor, Ulster University, UK	1. Should freedom of expression include the right to offend? 2. Can hate speech ever be regulated, and if so how? 3. How important are professional ethics for lawyers? 4. Copyright protection - where should the line be drawn?	14.02.2022 to 16.02.2022
32	Prof. V. Victoria Shroff	Animal Law Lawyer, Shroff & Associates, Barristers and Solicitors, Canada	Canadian Animal Law and book reading from book titled Canadian Animal Law	08.02.2022
33	Prof. Ylli Dautaj	Partner, Der Juridik, Stockholm and Adjunct Professor, Pennsylvania State University, Penn State, USA	Investment Treaty Arbitration	16.02.2022 to 18.02.2022

34	Prof. Philippe Cullet	Senior Visiting Fellow, Centre for Policy Research, New Delhi, and Professor at SOAS, University of London, UK	Water Rights and Governance in India	09.04.2021
35	Ms. Gopi Trivedi	Patent Attorney and Sr. Partner, Y. J. Trivedi & Company	Patent Right Creation and Recognition	28.04.2021
36	Ms. Albertine Almeida	A human rights activist, gender trainer and independent researcher	Marriage registration and divorce in Goa, Matrimonial property, Inheritance laws and will as applicable in Goa, Uniform Civil Code	26.04.2021 to 30.04.2021
37	Shri Percy Bharucha,	Managing Director, Kalupur Commercial Co-op Bank Limited	Nonperforming Assets: Regulatory Mechanism in India	05.04.2021
38	Mr. Karan Valecha	Advocate, Supreme Court of India	Pre-Package Insolvency Resolution Process and its Implications	15.04.2021
39	Dr. Neeti Shikha	Head, Centre for Insolvency and Bankruptcy, Indian Institute of Corporate Affairs	Cross-Border Insolvency	17.04.2021
40	Ms. Meena Rajgor	An NGO Worker	How Panchayat is working with the GPDP and other schemes and empowering women	26.04.2021
41	Mr. Karan Valecha	Advocate, Supreme Court of India	Corporate Insolvency Law	29.04.2021
42	Mr. Manendra Singh	Associate Partner at Economic Laws Practice, Mumbai (ELP)	Oppression and Mismanagement	02.05.2021
43	Prof. N. K. Pathak	Former Director, University School of Law, Gujarat University	Right to Health-From the perspective of Fundamental Rights and Directive Principles of State Policy	31.08.2021
44	Dr. S. P. Rathore	Professor, School of Law, Gujarat University	Biodiversity and Sustainable Development	17.08.2021
45	Dr. K. Parameswaran	Associate Professor, GNLU, Gandhinagar	Law and Universal Human Values	02.08.2021
46	Dr. Syamjith P	Law Officer and Providing Legal Support to Banking Sector	Regulatory Aspects of Banking	11.09.2021
47	Mr. Punit Juneja	Advocate, High Court of Gujarat.	Practice before Debt Recovery Tribunal	24.09.2021
48	Hon'ble Justice Gita Gopi	Justice, High Court of Gujarat	Importance of Legal Aid activities for law students	16.10.2021
49	Mr. Prabjot Singh Bhullar	Independent Legal Counsel	Infrastructure Law: Electricity Sector	08.12.2021

50	Dr. Mukul Shastry	Vice President, Welspun Group and Legal Head, Welspun Enterprises Limited	Foreign funding in India	27.11.2021
51	Mr. Aditya Jain	Advocate on Record at the Hon'ble Supreme Court of India	Public Private Partnership in Highway Projects	19.11.2021
52	Ms. Vindhya Gupta	Assistant Professor, ILS Law College	Green Patenting	27.11.2021

• **Non-Teaching Staff development - 4 members attended & sponsored by ILNU**

Mr Digant Rathod, Mr Rashesh Parikh, Mr Nitin Patel and Mr Nimit Modh attended virtual five-day workshop on "Learn to Build Interactive Dashboards to Analysis & Present Data Effectively" from 07.12.2021 to 12.12.2021 at AMA, Ahmedabad.

III. Research & Consultancy & Extension

Research Projects

Completed Major Research Projects

Sr. No.	Title of the Project	Project Investigator/s	Funding Agency	Grant (in Rs.)
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 Dash	Indian Council of Social Science Research	10,00,000/-
Total Grant				10,00,000/-

Sanctioned Major Research Projects

Sr. No.	Title of the Project	Project Investigator/s	Funding Agency	Grant (in Rs.)
1.	Developing an Educational Framework for Climate Justice: With Special Reference to Clinical Legal Education	Dr. Madhuri Parikh, Dr. Varsha Ganguly & Dr. Arun Prasad	Azim Premji funded Research Project	9,95,000/-
Total Grant				9,95,000/-

Sanctioned, Ongoing and Completed Minor Research Projects during the Year

Sr. No.	Title of the Project	Project Investigator/s	Funding Agency	Grant (in Rs.)
1.	Redressal Of Sexual Harassment At Workplace: A Legal Study At Legal Educational Institutions In Ahmedabad.	Prof. Vikas Trivedi & Prof. Kushal Nandwani	Nirma University	70,200/-
2.	A Study of the Implementation of the requirement of Crèche facility under Maternity Benefit Amendment Act, 1961 in organizations in the city of Ahmedabad.	Prof. Nikita Koradia & Prof. Anubhuti Dungdung	Nirma University	80,000/-
3.	A study on working of the Meditation and Pre-litigation Meditation in the state of Gujarat.	Prof. Anandkumar Shinde & Prof. Arpit Sharma	Nirma University	1,00,000/-

4.	Study on the implementation of Kaushayla Vardhan Kendra(KVK) Scheme via outreach of training centers on skill development under Kaushayla Vardhan Kendra(KVK) Scheme in the state of Gujarat.	Prof. Anubhuti Ddungdung & Prof. Nikita Koradia	Nirma University	60,000/-
5.	Theorising Civil Society in India through Modern Ashramic practices: A case study of Sabarmati Ashram, Ahmedabad (Gujarat), Vedchhi Ashram, Surat (Gujarat) and Wardha Ashram, Sevagram, Maharashtra	Prof. Kunal Kishore & Prof. Nitesh Chaudhari	Nirma University	1,00,000/-
Total Grant				4,10,200/-

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
2021-22	01	500/-	00	00
2020-21	02	00(Online)	01	00(Online)

Dr Madhuri Parikh attended virtual FDP on Environmental Law and Sustainable Development organised by VIT School of Law during 26.03.2021 to 01.04.2021.

- **Publication by Institute** – International/National Conference proceedings, Institute journals, dissertation abstracts, Ph.D. Thesis, etc

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

- **Awards and Recognitions (Institute/Department/Faculty)**

Institute of Law, Nirma University received the prestigious IP Hall of Fame Honours 2021 Award under the category, "IP Campus of the Year, 2021 (Legal)" for "IP Awareness and Dissemination" activities on September 30th, 2021 from the Intellectual Property Protection Organisation (IPPO), Ahmedabad, an IP Promotion and Outreach Foundation

The recognition in the form of an Award has been made in two categories:

1. "IP Campus of the Year, 2021 (Legal)"- Centre for IPR, ILNU.
2. "IP Academician of the Year, 2021 (Legal)"- Ms. Gunjan Arora, Head, Centre for IPR, ILNU.

Faculty Recognition

- Dr. Madhuri Parikh was invited to deliver the inaugural address at Online Focussed Group Discussion on Evaluating India's National Regulations on Chemicals and

Hazardous Waste Management: An Agenda for Reform held on 19th January 2022. She delivered her address on the issues and concerns related to the Plastic Waste Management Rules and its implementation. The FGD was organised under the aegis of the Three-Year Project granted by the Ministry of Environment, Forests and Climate Change, Government of India.

- Dr Madhuri Parikh was invited to deliver an online session on “The concept of Deemed consent under the Water Act, 1974” on September 7, 2021 during the Refresher Course in Law organised by Gujarat University.

- **Ongoing Research Collaboration/New collaboration**

- Major Project of Indian Council of Social Science Research (ICSSR) on "Public Participation in Environmental Decision-making process in Gujarat with special reference to Environment Impact Assessment." Projector Coordinators: Dr. Madhuri Parikh and Dr. Bishwa Dash.
- Major Project on “Developing an Educational Framework for Climate Justice: with special reference to clinical legal education” funded by Azim Premji Foundation.
- Minor Project of Nirma University on Impact Analysis of Geographical Indications of Goods (Registration and Protection) Act, 1999 in Gujarat: Case Study of Patan Patola and Jamanagar Bandhani. Project Coordinator: Ms. Taruna Jakhar
- Minor Project of Nirma University on Piracy of Copyrighted Content - A Case Study on Film Industry. Project Coordinator: Ms. Gunjan Arora.
- Minor Project of Nirma University on Impact of Carbon Tax on Energy Mix for Sustainable Development Goals: A Legal Study. Project Coordinator: Mr. Sukrit Garg.
- Minor Project of Nirma University on Redressal of Sexual Harassment at Work Place: A Legal Study at Private Health Sector in Ahmedabad. Project Coordinators: Mr. Abhay Kant and Dr. Vikas Upadhyay.
- Minor Project of Nirma University on “A Study of the Implementation of the requirement of Crèche facility under Maternity Benefit Amendment Act 1961 in organisations in the city of Ahmedabad.” Project Coordinator: Ms Nikita Koradia.
- Minor Project of Nirma University on “A Study on working of the Meditation and Pre-Litigation Meditation in the State of Gujarat.” Project Coordinator: Dr Anandkumar Shindhe.
- Minor Project of Nirma University on “Study on the implementation of Kaushalya Vardhan Kendra (KVK) Scheme via outreach of training centres on skill development under Kaushalya Varshan Kendra (KVK) Scheme in State of Gujarat.” Project Coordinator: Ms Anubhuti Dungdung.
- Minor Project of Nirma University on Theorising Civil Society in India through Modern Ashramic practices: A case Study of Sabarmati Ashram, Ahmedabad (Gujarat), Vedchhi Ashram, Surat (Gujarat) and Wardha Ashram, Sevagram (Maharashtra). Project Coordinator: Dr Kunal Kishore.

- **Internal Resources Generated**

Nikita Koradia, Assistant Professor of the Institute of Law is undertaking consultancy on Common Ownership and Competition in India with a special focus on the position of the Competition Commission of India and the ownership structure of ANI Technologies Private Limited, which is operating among OlaCabs.

This consultancy is part of the project “Re-evaluating Minority Shareholding in Competition Law Against the Background of Horizontal Shareholding by Investors: Lessons Drawn from Fintech and E-Commerce Startups in Asia”.

This consultancy project is funded by Kyushu University, Japan.

Summary of the Research Publications in financial year

Financial Year	Department	National Journal			International Journal		
		Number of papers published	Number of papers considered for calculation of average impact factor	Average impact factor	Number of papers published	Number of papers considered for calculation of average impact factor	Average impact factor
2021-22	Law	8	-	-	7	-	-
2020-21	Law	11	-	-	3	-	-

Details of Research Publications:

Research Publications by Faculty

• International Journals:

Sr. No.	Paper Title	Name of Journal	Month & Year	Volume No.	Issue No.	Page No.	Author
1	Trend of Community’s Participation in Environmental Decision-making Process Under EIA: A Study	Asian Journal of Water, Environment and Pollution,	October-2021	19	2	101-107	Dr Madhuri Parikh, Dr Bishwa Dash and Dr Deba Ranjan Hota
2	Human Rights, Fair Trial, Media and Criminal Contempt in India: Critical Analysis	Turkish Online Journal of Qualitative Inquiry	2021	12	7	2634-2653	Neeraj Kumar Gupta, Swati Kumari Mawandiya
3	Jurisdiction of Court vis-à-vis Exclusion Clause: A Birds Eye’s Views	PalArch’s Journal of Archaeology of Egypt. Egyptology	2021	18	9	629-638	Dr. Mukti Jaiswal
4	A Review on Key Performance Indicators for Measuring Real Estate Project Success	International Journal of Sustainable Development and Planning	2021	16	4	1743-7601 (Print); 1743-761X (Online)	Dr. Arun B. Prasad

5	Responsible Governance: State of Health Spending and Health Coverage Schemes in India	Flusser Studies	2021	30	I	1661-5719	Dr. Arun B Prasad
6	Analysing The Impact of Performance Management And Internet Of Things On Project Success In Large Enterprise	Vidyabharati International Interdisciplinary Research Journal	2021	Special Issue 2021		2319-4979	Dr. Arun B. Prasad
7	A Critique on Third-Party Funding in Indian Arbitration	Vidyabharati International Interdisciplinary Research Journal	2021	Special Issue 2021		3414-3418	Gururaj D. Devarhubli

• **National journals – refereed papers**

Sr. No.	Paper Title	Name of Journal	Month & Year of Publication	Volume No.	Issue No.	Page No.	Author
1	Inheritance Rights of Illegitimate Children: A Trajectory from the Classical Hindu Law to the Supreme Court of india	The Quarterly Journal of the Mythic Society	2021	112	2-3	227-241	Ms. Shreya Srivastava
2	Empirical Analysis of RFID Assisted Healthcare Management Strategy using IOT with Deep Learning Principles	Design Engineering	2021	II	VI	0011-9342	Dr. Arun B. Prasad
3	Analysis of Historical and Legal Aspects in the case of M Siddiq (D) thr LRS vs. Mahant Suresh Das & Ors	Shodhsamhita (Print Only)	2021	VIII	5	21-25	Neeraj Sharma

	(Ayodhya Title Dispute Case)						
4	Research Productivity and Network Visualization on Digital Evidence: A Bibliometric Study	Science & Technology Libraries, Taylor & Francis	July 2021	Vol. 40,	Issue 4	Online	Devang Chhtrapati

- **University journal**

Sr. No.	Paper Title	Name of Journal	Month & Year of Publication	Volume No.	Issue No.	Page No.	Author
1	Directors' Cut: A Neglected Copyright	RGNUL RFMLR Blog	October 2021				Ms. Gunjan Arora
2	Electronic Evidence Admissibility and Authentication A Judicial Perception of Apex Court of India	GLS Law Review	2021	Vol. III	I	2582-5402	Mr. Devang Chhtrapati and Dr. Arun B. Prasad
3	The Hyundai Model: A Quasi-Leviathan in the making	National Law School Journal	March 2021	Vol. 15		Page 34-71	Ms. Nikita Koradia
4	Is Right to Privacy in Peril due to Surge of CCTV Surveillance?	Vidya, Gujarat University ISSN: 2321-1520	2022	Vol 17	I	Page 2-21	Mr. Devang Chhtrapati & Dr. Vikash Kumar Upadhyay

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

- **Book Publication by Faculty Members**

Sr. No.	Name of the Faculty	Title of the Book	Name of Publishing House	ISBN	Month, Year of Publication
1	Dr Varsha Ganguly	E-waste management: opportunities	The Routledge	9780367249994 (hard copy) eBook ISBN 9780429285424	October 2021

		and challenges in India			
2	Dr Deba Ranjan Hota	Vulnerability and Human Rights Among the Tribes of South Gujarat	Himalaya Publishing House, Mumbai	ISBN 978-93-5433-996-7	2021

• **Book Chapter publication by Faculty Members**

Sr. No.	Name of the Faculty	Title of the Book Chapter	Title of the Book	Name of Publishing House	ISBN	Month & Year of Publication
1	Dr. Arun B. Prasad	ML-PASD: Predict Autism Spectrum Disorder by Machine Learning Approach	Advances in Medical Diagnosis, Treatment, and Care	IGI International Publications	978-1-7998-7460-7	June 2021
2	Ms. Gunjan Arora	Book Chapter on "Right to Consular Assistance: The Jadhav Case- A Human Rights Analysis"	Advancement of Human Rights: Contemporary and Emerging Challenges Sage Publications	Sage Publications	ISBN: 9789353887858	June 2021
3	Mr. Neeraj Sharma	Attaining Sustainable Development Goals through Policy Measures: An Analysis	Sustainable Development: India and Beyond	Bharti Publication	978-93-90818-21-1	June 2021
4	Ms Nikita Koradia	Algorithmic Collusion and Indian Competition Act: Suggestions to Tackle Inadequacies and naivety	The Digital Economy and Competition Law in Asia	Springer	ISSN 2520-1875.	2021
5	Mr Amit Kashyap	E-Banking Services and Fraud in India: Concerns & Remedial Provisions	Contemporary Issues in Commerce and Management	RUDRA PUBLISHER S, New Delhi	ISBN:978-93-88361-53-8	2021
6	Dr Ashish Porwal	Artificial Intelligence with special reference to Blockchain Technology: A Future of Accounting	Impact of Artificial Intelligence on Organizational Transformation	Scrivener Publishing LLC	Print ISBN: 978119710172 Online ISBN: 978119710301	Feb-2022

Revenue generated in:

Financial Year	Consultancy
2021-22	47800
2020-21	84745

Extension Activities/Community services by Institute

1. On the occasion of NSS Day on September 24, 2021 an oath taking ceremony was organised for the faculty members and the NSS volunteers. The pledge was presided over by Akshat Jain, the Chairperson of the NSS Unit, ILNU. Following this, shlokas derived from Upanishads were recited by the Core Members of the NSS Unit.
2. On the occasion of Hindi Diwas on September 14, 2021 ILNU organised a reel, video making and a quiz competition apart from its online event. The reels highlighted the basic information about the language, its origin, associated dialects and the richness of Hindi literature.
3. On the occasion of World Sign Language Day on September 23, 2021 ILNU launched a new campaign on Instagram called "Sign Language Saturday", where several posts and a reel on the Instagram page of the unit highlighting the importance of the Sign Language for all the sign language users. The posts were a small attempt on the part of the unit to raise awareness about the problems faced by the deaf people and the need for promoting such languages to support and protect the linguistic identity and cultural diversity of all.
4. Legal Aid Clinic presented an informative video on the Consumer Laws and brief analysis of Consumer Protection 2019 in light of replaced Act of the year 1986. The video also discussed about the consumer rights that everybody should be aware of, on September 14, 2021.
5. The NSS Unit and Mission Sangharsh conducted a blood donation drive on 20 October, 2021 to celebrate 75th Azadi ka Amrit Mahotsav in collaboration with Prathama Blood Centre.
6. The Legal Aid Clinic, Institute of Law, Nirma University organised a Legal Awareness Programme at Siddharth Law College, Gandhinagar on 17th December, 2021. Prof DL Patel, Clinical Professor-ILNU delivered the session on the theme "How to put up defence in a criminal trial?" A detailed analysis was given to the students on the aspects of examination of witness and how to contradict. The session was concentrated on the techniques to create doubts and to give acquittal to the accused. The final year students were informed about the nuances of practice in criminal law. Mr. Devang Chhatrapati, Assistant Professor-ILNU provided information about Legal aid clinic activities of Nirma University.
7. NCC Unit, Nirma University in association with Students Welfare Board organised "National Youth Summit" on the occasion of 25th National Youth Day, on 13th January 2022 to remember Swami Vivekananda through his thoughts on nation building as part of Azadi Ka Amrut Mahotsav. The theme of the Summit was "Suryanamskar@Home" under the banner of Fit India.
8. NSS Unit, ILNU conducted the Winter Blanket Drive to donate warm clothes to the needy from 11th – 15th January, 2022.

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

1. Memorandum of Understanding between Paryavaran Mitra (NGO) and Institute of Law, Nirma University on 05.01.2022.

IV. Infrastructure and Learning Resources:

- **Library - learning resources added**

Number of Books for Technical Subjects during the year 2021-2022			
No. of Titles & Volumes added during the Cumulative Year 2021-2022		Total No. of Titles & Volumes as on 31/03/2022	
Title	Volumes	Title	Volumes
439	459	8713	10803

Number of Books for Science & Humanities during the year 2021-2022			
No. of Titles & Volumes added during the year 2021-2022		Total No. of Titles & Volumes as on 31/03/2022	
Title	Volumes	Title	Volumes
161	170	2544	2971

No. of Periodicals Journals including E-Journals during the year 2021-22	
Added during the year 2021-2022	Cumulative Total as on 31/03/2022
0 print, 0 online	59 Print + 3625 Online
Other Material which includes Software Icds Icasseties, etc	
Added during the year 2021-2022	Cumulative Total as on 31/03/2022
CD/DVD-1	CD/DVD - 195
Video CD-00	Video CD -231
Photo CD-1	Photo CD-153

V. Student Support and Progression

Sr. No.	Roll No.	Name of Student	Amount Rs.
1	17BAL044	Samyak Jain	30000
2	17BAL009	Anchal Jain	25000
3	19BAL008	Archit Kanthalia	30000
4	17BAL125	Vertika Jain	30000

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

General Category: 53.50 Marks (CLAT Rank 7287)

NRI Sponsored Category: 09.00 Marks (CLAT Rank 47978)

- Number of students receiving government scholarship/fellowship - 4 (**Rs.115000/-**)

- **Student achievements**

Moot Court Achievements

1. The team consisting of Alay Raje (19bbl009), Jaysinh Kela (19bbl081), Aryan Sharma (19bb071) and Saurabh Gupta (19bal102) 2021 has been adjudged as the Runners-Up in The XIV National Law School Trilegal International Arbitration Moot, 2021 [NLSTIAM] held on May 20-23.
2. The team comprising Shrey Bhatt (20BAL209), Ayushi Tripathi (20BAL092), Meghna Pareek (20BAL031) and Geetanjali Anand (20BAL024) emerged as the winners at the 26th Stetson International Environmental Moot Court Competition on September 27, 2021.
3. The team comprising Aman Kadri, Alay Raje and Srishty Bajaj have been declared as the national winners of the 14th NALSAR – Justice B. R. Sawhney Memorial Moot Court Competition. Srishty Bajaj was declared as the best researcher in the competition and Alay Raje was also declared as second-best speaker.
4. The team comprising Ridhhi Jhanwar (21BAL131), Rahul Jacob (21BAL199) and Siddharth Sharma (21BAL218) have been adjudged as Semi-Finalists and won the citation for Best Memorial of the 31st Kerala Law Academy – All India Moot Court Committee.
5. The team comprising Bhavya Bachani (20BAL016), Kartik Nagpal (20BAL028) and Govind Gupta (19BAL014) have been adjudged as the Semi Finalist of the KR Ramamani Memorial National Taxation Moot Court Competition, 2022.
6. The team comprising Diya Ambavi (21BBL109), Geethika PM (21BBL091) and Girisha Soni (21BBL092) has been declared Runners-up at the 16th SP Sathe, ILS PUNE International Moot Court Competition.
7. The team comprising Adesh Arora (19bbl062), Rajnandini Singh Shaktawat (18BBL035) and Kinjal Sharma (19BBL030) has been adjudged as Quarter-Finalists at the 13th NLU Antitrust Law Moot Court Competition, 2022 hosted by National Law University, Jodhpur.
8. The team comprising Aryan Sharma (19bbl071), Aviral Shrivastava (19BAL010), Saurabh Gupta (19BAL102) and Sakshi Agarwal (19BBL074), has been adjudged as the 1st Runners-Up at the 7th NLIU Justice R.K. Tankha Memorial International Arbitration Moot, 2022. They also bagged the citation for the Best Claimant Memorial.
9. The team comprising Aman Kadri (19BBL010), Srishty Bajaj (19BBL056) and Rohan Dembani (19BBL107), were declared as the winners at the 1st NALSAR – CCI Moot Court Competition.

ADR Achievements

1. The Mediator team consisting of Shrinkhla Tiwari (17BBL047) was adjudged as a Finalist and 2nd Best Mediator in the 4th SYAR National Mediation Competition organised by Society for Young Advocates and Researchers in collaboration with PSL Advocates and Solicitors.
2. The team comprising Nihira Sharma (21BAL191) and Kim Korwani (21BAL185) has been adjudged as winners and Sejal Chhablani (21BAL026) adjudged as a mediator of the 1st Learner's Mediation Competition, 2021, organised by Alternate Dispute Resolution Committee, ILNU.

3. The team comprising Niveditha R (199bbl096) and Aanya Anvesha (19bbl063) were adjudged as Semi-Finalists in the 21st National Client Counselling Competition organised by Kerala Law Academy from 11th to 13th November, 2021.

Debate Achievements

1. Team comprising Shubham Borah (16bal051), Akshit Mishra (17bal071) and Aarush Sharma (19bbl064) were adjudged as Octo-finalists in the NLSIU APD organised by National Law School of India University, Bengaluru from April 31 – May 2, 2021. Priyanshi Ranchh (19bla094) and Palash Pareek (18bal037) were adjudged as breaking adjudicators and Chairs of Octo Finalist.
2. Team comprising Kartik Nagpal (20bbl028) and Vinay Kella (20bal072) were adjudged as semi-finalists in the Credence BPD organised by Jagran Lakecity University from May 28-31, 2021.
3. Akshit Mishra (17bal071) declared as – 2nd Best Adjudicator & Invited Adjudicator in NMIMS Loquitor International Competition organised by NMIMS Law School, Mumbai from April 2-4, 2021.
4. Srivaishnavi R. (18bal32) declared as 5th Best Adjudicator & Subsidised Adjudicator in Premchand Memorial (International) Debate Competition from April 2-4, 2021 organised by Hindu Debating Society, Delhi University.
5. Subham Borah (16bal051) declared as Quarter Finalists in 73th Mukarji Memorial Debate (National) Competition from April 9 – 11, 2021 organised by St. Stephen's College.
6. Subham Borah (16bal051) declared as Core Adjudicator and Jahnavi Pandey (19bal079) declared as Open Semi-Finals Judge & Novice Finals Judge in Dharmshashtra National Law University Parliamentary Debate (National) from April 16 –18, 2021, organised by DNLU Jabalpur.
7. Gaurav Chaplot (18bal015) declared as Tab Director in Punjab Engineering College Parliamentary Debate competition (International) organised from April 16 – 18, 2021.
8. Varsha Venkat (20bbl127) and Siddharth Shrivastava (20bal215) were declared as Novice Champions and Varsha Venkat was Novice Best Speaker in Chanakya National Law University British Parliamentary Debate (National) from April 19- 21, 2021.
9. Akshit Mishra (17bal071) and Aarush Sharma (19bbl064) were Grand Finalists and Akshit Mishra was 9th Best Speaker in Mumbai British Parliamentary Debate (International) organised by GLC, Mumbai from April 24-25, 2021.
10. The team comprising Akshat Mishra and Aarush Sharma has been adjudged as the finalists of the British Parliamentary Debate held from June 04 to June 06, 2021 organised by the Dharmashastra National Law University.
11. The team comprising Vinay Kella (20bal072) and Kartik Nagpal (20bbl028) bagged the Novice Semi Finalists in the British Parliamentary Debate hosted by Jagran Lakecity University held on May 28-30 2021.

12. The team comprising Aarush Sharma (19BBL064) and Akshat Mishra (17BAL071) were adjudged as the Grand Finalist at the NALSAR InterVarsity British Parliamentary Debate held on September 17-18, 2021.
13. The team comprising Priyanshi Rachchh (19BAL094) and Aarush Sharma (19BBL064) were the Grand Finalist of the Peral Parliamentary Debate, 2021 organised by BITS Hyderabad University from September 24 – 26, 2021.
14. Akshit Mishra (17BAL071) was an Invited Adjudicator at NLUJ PD organised from September 24 to 26, 2021.
15. Team comprising Aarush Sharma (19BBL064) and Ritika Sundarani (20BBL048) has been adjudged as the Semi – Finalists of the Satyam Jha Memorial Pro-Am Debate held from 5th to 7th November 2021.
16. The team comprising Srivaishnavi R. (18BAL132) and Akshit Mishra (17BAL071) were invited as the adjudicators at the 19th edition of the Annual Premchand Memorial, held from 12th to 14th November, 2021.
17. The team comprising Priyanshi Rachchh (19BAL094) and Akshit Mishra (17BAL071) were Invited Adjudicators at the Independent University Bangladesh InterVarsity Debate Championship 2021 held from 12th -13th November, 2021.
18. Aadesh Shinde (17BAL106) and Prthvirajsinh Zala (18BAL117), delivered speech on the topic “Election 2024” and “Farm Laws and CAA”, respectively and were adjudged as the winner of the Youth Parliament of India 2021 organised by the Karnavati University in collaboration with the Ministry of Education on 4th -5th December, 2021.
19. Priyanshi Rachchh (19bal094) and Aarush Sharma (19bbl064) were the Semi Finalists of the DTU Parliamentary Debate, 2021 held between 20-21st November, 2021.
20. The team comprising Aarush Sharma (19bbl064) and Priyanshi Rachchh (19bal094) was adjourned as a Quarterfinalist in Sir Visvesvaraya Memorial Parliamentary Debate, organised by the English Section of Debate and Quiz Club of Engineering, Pune held from 14th – 16th January, 2022.
21. The team comprising Akshit Mishra (17bal071) and Chahana Charles from GNLU were adjudged as the winners of the British Parliamentary Debate Tournament organised by Shaheed Bhagat Singh College held from 12th – 14th February, 2022.
22. The team comprising Tanshi Tiwari and Aditya Das has been adjudged as Novice Finalists of the 7th Vitark British Parliamentary Debate held from 18th - 20th February, 2022.
23. The team comprising Adesh Arora (19bbl062), Rajnandini Singh Shaktawat (18BBL035) and Kinjal Sharma (19BBL030) has been adjudged as Quarter-Finalists at the 13th NLU Antitrust Law Moot Court Competition, 2022 hosted by National Law University, Jodhpur.
24. Asian Online Debating Championship 2022 invited former chairperson Akshit Mishra, former Secretary Srivaishnavi and the Chairperson Aarush Sharma as Adjudicators. Akshit adjudged the Grand Finals of the Juniors' Category and Aarush adjudged the Open Grand Finals in the same.

Other Achievements

1. Aadesh Shinde (17bal061) has been declared the Winner of the All-India Debate Competition organised by the Vishwa Hindi Sangathan, New Delhi. The event was held on 30th May 2021, marking the celebration of the Hindi Journalism Day.
2. Siddhanth Dubey has ranked 3rd in the Article writing competition on Insolvency Law, IDIA Delhi Chapter, on the topic "Insolvency of Financial Institutions: Too Big to Fail".
3. Article on the topic, "The Rights of Persons with Disabilities Act, 2016: An Opportunity to create an Inclusive Work Environment" authored by Yashvardhan Ghosh (20bal076) and Tanisha Gautam (20bal063) has been published in the Centre for Disability Studies and Health Laws blog of National Law University and Judicial Academy, Assam.
4. The article titled "A religious awakening or an Identity Crisis" authored by Navya Dubey (20bal113) has been published in "International journal of advanced legal Research".
5. Varun Hinge (19bal059) stood first in the virtual quiz organised by Centre for Study and Research in Intellectual Property Rights (CSRIPR) at the National University of Study and Research in Law, Ranchi (NUSRL) in collaboration with Intellectual Property Rights Competition as part of their 1st CSRIPR' 21 Fest on May 4, 2021.
6. Aditi Bhardwaj, a member of the music committee released her debut single "SAAZ" which is currently streaming on all platforms.
7. Gaurav Agarwal (20bb1084), Harsh Dogra (20bb1085) and Aayam Yashlaha (20bal002) have been adjudged as winners in the 1st CCLS Blog Writing Competition, 2021-2022 organised by CCLS, ILNU.
8. Aadesh Shinde(17BAL061) has been declared the Winner of the Declamation Competition organised by the National Human Rights Commission, New Delhi. He also secured the Second Position for the Group Research Project titled 'Feedback Mechanism on Advisory 2.0 of NHRC (Rights of Informal Workers and Right to Health)'.
9. Aditi Mishra (19BBL003) won the First Prize in "Beat the Beat", a solo singing competition of Genesis 2022, the Annual Cultural Fest of Institute of Management Nirma University.
10. Pragya Rathore (21BAL045 secured the Second position in "Let's Nacho", organised by Institute of Management, Nirma University.

Student participation in International Conference on Academic Institutions

Ms. Nandini Goyal (Semester VII), Pruthvirajsinh Zala (Semester VII) and Mr. Abhishek Sadhwani (Semester V) represented the Institute in the Vibrant Gujarat Education Summit-2022 during January 5-6, 2022 at Vigyan Bhavan, Science City, Ahmedabad. They attended the International Conference on Academic Institutions during the summit-2022.

Students Publications

1. An article on "The Indian Judiciary Fire-wall of the Indian Elections." published by Mr Parindu K. Bhagat, Ph.D. Scholar, in the International Journal "Oeconomia Copernicana" Volume-12 Issue-4, p-ISSN 2083-1277, e-ISSN 2353-1827 published in October-2021
2. Mr. Abhisst Kaushal Thaker, Ph.D. Scholar, published an article on "Canvassing the Implementation of Wildlife Protection Laws in India: Evolution and Concerning Issues" in Madhya Bharati 81. And was published in an issue of July-December 2021. ISSN No.0974-0066. Page no.161-173 recognized by UGC Care List.
3. A research paper was published by Mr. Abhisst Kaushal Thaker, Ph.D. Scholar, on "The Dusk of Wildlife and the Dawn of Conflict in India: A Legal Monograph." The paper was published in GNLU Journal of Law, Development and Politics, Vol-11, Issue-2, October-2021 ISSN No.0975-0193.

4. Dubey, D. & Pokhariyal, P. (2021). Citizenship and the judicial intervention: a comparative study in India and USA. *Turkish Online Journal of Qualitative Inquiry*, 12(8), 5181-5188.
5. Dubey, D. (2021). Perspective on Traditional Concept of Sovereignty and Globalization. *SSRN Electronic Journal*. <https://doi.org/10.2139/ssrn.3868677>.
6. Utkarsh Dwivedi (19bal055) submitted an article in co-authorship with Chaturbhuj of NLUJ titled “Climate Change Considerations in India- Australia Regional trade agreements: What India Should Do?” which was published in *Society for International Trade and Competition Law*, NUJS, Kolkata.
7. Hridyanand Ojha (19bal017) submitted an article in co-authorship with Chaturbhuj of NLUJ on the title “Russia’s Invasion of Ukraine and Global Trade: It’s more than just oil and natural Gas” which was published in *International Economic Law and Policy* blog of World Trade Law.net.
8. An article on “Behavioural Changes Needed in Indian Election Systems” published by Mr Parindu K. Bhagat, Ph.D. Scholar, in the *Vidyabharati International Interdisciplinary Research Journal (Special Issue)* ISSN 2319-4979. Published in October 2021. Page no.1769-1778

- **Value added courses** - 5
 - Skill Lab – I - Semester-I
 - Skill Lab-I - Semester-III
 - Clinic - Semester-IV
 - Research Centre - Semester-IV
 - Street Law - Semester-IV

- **Student Clubs in the Institutes – activities**

Music Club ILNU organised Tangerine 7.0 on May 7, 2021. The students engaged in the music event and it was a refreshing activity amongst the Covid blues.

‘Concert in Blue’ was organised by the music club of ILNU specifically for the first year students on September 02, 2021.

To celebrate the 15 years of establishment of the institute, the Music Committee on 18th August 2021 organised a magnificent Foundation Day event – to showcase the flair and admiration for art and talent that has been a mainstay for the Institute, providing a platform for teachers and students to connect and express gratitude for being a part of a beautiful family. The event comprised of 14 participants from the second and third year, and around 300 attendees from across the batches, as well as the professors and the Dean.

Literary Committee, Nirma University shared a compilation of special judgements by courts that highlighted the significance of the Hindi language which was an incredible way to celebrate the occasion of Hindi Diwas on September 14, 2021.

Music Committee ILNU celebrated Teachers’ Day on September 5, 2021 with an evening dedicated to the wonderful teachers. The event, "Masti Ki Paathshaala" was a fitting way to show gratitude towards the teachers.

The Cultural Committee at the Institute celebrated the Traditional Day on September 14, 2021.

Dance Committee organised an event called Freshers Online Dance Competition 2021 exclusively for the batch 2021-2026 to give a chance to the new batch to showcase their dancing skills. Shriyanshi Dubey declared winner of the Online dance Competition on October 16th- October 18, 2021.

The Literary Committee of the Institute presented the first edition of Meraki on 9th January 2022, the Institute's e-magazine.

The Music Committee, ILNU organised "Pass the Mic" - a virtual music video series on 10th January 2022, wherein the committee members nominated and challenged each other to sing songs of various genres. The committee also conducted "Colors of India: सुर एक, रंग अनेक" - a virtual music video series on the occasion of 73rd Republic Day, wherein they attempted to bring songs from across the nation. The members performed different songs which were expressive of the diverse musical culture of India.

The Music Committee created their own original composition for the "Voters Awareness Contest" organised by the Election Commission of India on the theme "My Vote is My Future-Power of One Vote". The song titled "सपनों का निर्माण: मतदान", had original lyrics, composition and vocals. The song was premiered by the committee on 16th March, 2022 at ILNU.

On the occasion of World Water Day, the Theatre club at ILNU in collaboration with Centre for Environmental Law, organised a play titled "Dastam-E-nir", on 22nd March, 2022. The visual representation of this crisis was portrayed in the play, which was well received by the students and faculty members of the institute.

On the occasion of the 73rd Republic Day, the Theatre Club at ILNU organised a Story Telling Competition on 26th January 26th, 2022. The competition invited video entries of Storytelling on the theme of 'Patriotism' from students and faculty members of the institute.

Sports activities

Sports Committee, ILNU celebrated National Sports Day on 29th August, 2021. Keeping in mind the situation of pandemic, unavailability of the students on Campus and other limitations, the Committee commemorated this day by organising an event named as "CHARGE ON". On the day activities like Running, Bicycling, Fitness and Gymnast, Basket Ball, Football, Volleyball, Yoga, Aerobics, Zumba and other similar form of activities related to physical fitness were held.

Performance in Sport activities

Ms. Suchetna Chakarborty (20BAL058) from semester III represented the Institute in National Level Sports Fiesta organized at KIIT Bhubaneswar under Khelo India University Games 2021 in area of Swimming. She participated in 3 formats i.e., Freestyle swimming (100 m), Butterfly (100 m) and Butterfly (200 m). She made the institute proud by bagging a bronze medal in the category of Butterfly (200 m).

Alumni Association – activities supporting students

ILNU alumni Ms Lalita Bhati, Ms Harmya Doshi, Ms Anushree Dave, Mr Ashish Somani, Ms Damini Dixit, Ms Ashima Garg, Mr Karan Yadav, Mr Saumitra Sudhindra Bhadauria, Mr Prashant Sharma qualified the Gujarat Judicial Services Examination.

Mr. Manasvi Thappar, Founder Candour Legal an Alumnae of ILNU conducted a session on 'Lawyers as Entrepreneurs' on August 27, 2021 as part of the Orientation Programme on August 2, 2021.

As part of Orientation Programme for the Batch 2021, an alumni interactive session was conducted on August 26, 2021 through online mode. Mr. Aditya Sharma, In-House Counsel, Angel One, Mumbai and Mr. Ankit Tripathi, Associate, Vaish Associates, New Delhi interacted with the students.

An alumni session on Career in Corporate Insolvency was organised on 11.03.2022 by Centre for Corporate Law Studies, ILNU. The session was delivered by Mr. Varun Akar, Student, Graduate Insolvency Program (GIP) at the Indian Institute of Corporate Affairs (IICA), Manesar.

Activities of Guidance & Counselling unit

Campus Recruitment Cell (CRC) @ ILNU organised professional training programme for final year students (Batch 2017) on September 06, 2021 with a view to equip them for the placement.

Placement services to students

On August 27, 2021, the CRC organised the Solicitors Qualifying Exam (SQE) webinar session. The session highlighted the introduction of new SQE in the United Kingdom. The webinar was conducted by Ms. Suellen Glazer and Mr. Shane Robson from Training Law Centre.

Institute of Architecture & Planning

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Outstanding Achievements and important activities

- Institute of Architecture & Planning along with its 16 partner institutes organised its first **International Conference on 'Future is Urban': Liveability, Resilience & Resource conservation** from December 16 to 18, 2021. Routledge, Taylor and Francis group are the partner for conference proceedings and other publication. The first seminar was held on July 20, 2021 as a part of the 'Urban Resilience and Adaptation for India and Mongolia' - URGENT Project.
- An opinion piece titled "**Nourishing Cities through Urban Agriculture**" co-authored by Dr. Aparna from Institute of Architecture and Planning, Nirma University and the senior faculty Prof. N. Lalitha from the Gujarat Institute of Development Research, Ahmedabad was published in **The Hindu Business Line** on August 29, 2021.
- 'Thank the Teachers' event was organised in order to celebrate Teacher's Day on September 4, 2021.
- The '8th Foundation Day' of the Institute of Architecture and Planning was celebrated on September 14, 2021 with expert guests Ar. Yatin Pandya and Ms. Krishna Parikh.
- World Habitat Day 2021 was held on October 5, 2021. IAPNU invited Mr. Probir Banerjee, the President of PONDYCAN (Pondy Citizens' Action Network).
- Institute of Architecture & Planning organised an offline orientation programme from 27th to 30th October, 2021. During these three days, the students were introduced to different materials as a part of different workshops.
- IAPNU signed an MoU with Manav Sadhna NGO on November 24, 2021 with the aim of contributing to the transformation of underprivileged communities through a range of initiatives.
- A Related Study Programme (RSP) 2021-22 was conducted in Khadia ward no.-1&2 near Astodia Darwaja in the historic walled city of Ahmedabad, a UNESCO world heritage site from November 29 to December 19, 2021.
- The students of B. Arch, 2019 batch went to Bapu Kutir at Wardha in Maharashtra for Field Studio from November 29 to December 24, 2021.
- Research Thesis titled 'Water Conservation and Harvesting in Semi-Arid Region of Rajasthan: Study of Rural Areas in Jaipur District' by Ms. Bhujal Varia under the guidance of Dr. Swati Kothary won Prof. D.S. Meshram National Best Thesis Award, 2021 in the category of Undergraduate Planning Students.
- The students of the IAPNU participated in the Writing Architecture trophy (WAT 2020-21) in the 63rd year of the Annual NASA (National Associate of Students of Architecture) Competition and were shortlisted in the top 50 among 500 architecture colleges in India.
- The students of 1st semester visited brick and CSEB block making unit at GIDC, Gujarat to understand the process of raw material, brick moulding and baking of bricks. The industry visits were aimed at practical and hands on experience of material and construction.
- IAPNU organised an Inter Institute Lawn Tennis Tournament in collaboration with Student Welfare Nirma University on March 19, 2022.

- A convocation ceremony for the students of 2015 and 2016 batch of B. Arch and 2016 and 2017 batch of B. Plan who had graduated during the pandemic period took place on 11th March, 2022.
- Kalp '22, the annual festival of the Institute of Architecture and Planning was conducted from March 8 to 10, 2022 beginning with the inauguration of the student's work exhibition. The three-day student led event also included lectures by esteemed guests, talks and discussions.

Webinars

- Research Colloquy is the initiative undertaken by faculty members of IAPNU where by guest lectures are organized on research practices and processes. The first guest of the series was Prof. Punita Mehta - an academican and a practicing Architect based in Baroda who delivered a session on August 7, 2021, entitled on research as "Asking Questions and Getting Answer".
- The second guest lecture of the series Research Colloquy was held on August 21, 2021, on the process documentation research in crafts and handloom sector by Prof. Krishna Patel who is a graduate of NID and has spent about four decades as a design educator at NID where she also served as the Dean of the NID PG Campus, Gandhinagar.
- The third guest lecture of the series Research Colloquy was held on October 16, 2021, a talk on Man vs Machine: On the Impact of Artificial Intelligence (AI) in Architecture by Prof. Dr. Laurent Lescop from ENSA, Nantes, France. The session was exploratory for the students who are using Digital Tools in Architecture discipline.
- Institute of Architecture & Planning invited Prof. Charanjit Singh Shah to give his view on "Green and Sustainable Architecture" on September 15, 2021. Prof. Charanjit Singh Shah is an Architect and infrastructure expert as well as art and architecture critic. He is also the Founding Principal of Creative Group and Chairman of Smart Habitat Foundation.
- Lalit Kishor Bhati, an Architect and Urban Planner, was invited at IAPNU for the lecture on "Exploring Integrated Planning & Urban Design Matrix for a City and Society – A case of Auroville" on January 28, 2022.
- As part of the 'Urban Resilience and Adaptation for India and Mongolia' - URGENT Project. IAPNU started a Lecture series with Urban Greens in City Development Plans. The lecture was conducted by Shri Lovelesh Sharma, who is a Sector Lead for Water and Infrastructure National Institute of Urban Affairs (NIUA), New Delhi and Dr. Neeru Bansal, who is associate professor at Faculty of Planning, CEPT University. It was organized on January 22, 2022. Another lecture with the focus on Emerging Environmental Contaminants and Newwater Perspectives of Developing and Developed Countries was conducted by Dr. Sanjeeb Mohapatra, a Scientist at Energy & Environmental Sustainability, National University of Singapore and Er. Surjeet Kumar Sahoo, a scientist at Department of Forest, Environment and Climate Change, Government of Odisha on February 26, 2022.
- As a part of research capacity building for faculty and students of B. Arch. programme, a Workshop on Virtual Reality (VR) was organised from February 21 to 25, 2022. The workshop was done in collaboration with ENSA, Nantes, France. Students from France and Nirma University worked on various projects, under the theme "Matryochka"-The market place. The workshop was conducted by Prof. Laurent Lescop, an Architect and a Doctorate in Sciences with Habilitation, is a Scholar-

Professor at the Nantes' Superior School of Architecture (ENSA Nantes, France) and Dr. Haddas Sopher, a Postdoctoral Researcher at the CRENAU/AAU UMR CNRS at France.

Guest Lectures

Sr. No.	Date	Dignitary	Subject
1	07-08-2021	Prof. Punita Mehta	Asking Questions and Getting Answer - A seminar on research practices
2	21-08-2021	Prof. Krishna Patel	Process documentation research in crafts and handloom
3	14-09-2021	Ar. Yatin Pandya	Adding Value through Design
4		Ms. Krishna Parikh	Engage - Build - Transform
5	15-09-2021	Prof. Charanjit Singh Shah	Green and Sustainable Architecture
6	05-10-2021	Mr. Probir Banerjee	Collaboration for an Integrated Planning and Development of Pondy Bioregion
7	16-10-2021	Dr. Laurent Lescop	Man vs Machine: On the Impact of Artificial Intelligence (AI) in Architecture
8	16-12-2021	Dr. Julie Rudner (LaTrobe)	Importance of Planning Education for Post-Covid Recovery
9		Prof. Thomas Verebes (NYIT)	Urban Complexity: Paradigms, Projects, and Platforms
10		Prof. Utpal Sharma	Liveability in Cities
11	17-12-2021	Prof. Meera Mehta	This is the urban century - Making Cities Inclusive, Climate Resilient and Sustainable
12		Prof. Chetan Vaidya	Urban Ranking Indices as Means of Governance
13		Ar. Jayesh Hariyani (INI)	Design & Planning Driven by Ethos of Sustainability and Spirituality
14	18-12-2021	Prof. Pablo Lorenzo-Eiroa (NYIT)	Urbanism of Information Through AI Simulation
15		Prof. Marta Moreira (Escola Cidade, Brazil)	Antonico Creek Urban Project, MMBB Architects
16		Prof. Giovanni Santamaria (NYIT)	Mutating Landscapes and Integrated Design Strategies
17	28-01-2022	Ar. Lalit Kishor Bhati	Exploring Integrated Planning & Urban Design Metrix for a City and Society – A case of Auroville
18	26-02-2022	Dr. Sanjeeb Mohapatra & Er. Surjeet Kumar Sahoo	Emerging Environmental Contaminants and Newwater Perspectives of Developing and Developed Countries.
19	22-01-2022	Shri Lovelesh Sharma & Dr. Neeru Bansal	Urban Greens in City Development Plans
20	08-03-2022	Prof. Jitendra Singh	Architecture and Practise
21		Ms. Nafeesa Barot	Social Responsibility in Architecture
22	09-03-2022	Ar. Jwalant Mahadevwala	Digital Technologies in Architecture
23		Prof. Nirav Hirpara	Documentation and Learnings from the Vernacular

24	10-03-2022	COA President Habeeb Khan Prof. Jitendra Singh Prof. Amogh Kumar Gupta Prof. Rajesh Mehta Prof. Snehal Nagarsheth Prof. Devang Parikh Prof. Bhavna Binwala Prof. Persi Engineer Prof. Utpal Sharma Prof. Aparna	Panel Discussion on New Education Policy and Architecture Education
25	10-03-2022	COA President Habeeb Khan	Architectural Practice and Challenges

I. Curricular Aspects

New programmes being offered

- **Master in Urban Design** - A new programme for Masters in Urban Design approved by Council of Architecture has been launched in the year 2022-23. The programme emphasis is on the challenges the cities face today due to urban development and transformation processes. In line with the institute's commitment towards society and environment, students from diverse backgrounds will collaborate to critically assess and analyse the challenges, design and implement solutions for urban development and transformation. Postgraduates from the programme will be equipped with the knowledge of urban design and interdisciplinary processes to solve societal and environmental needs.

No. of courses where major revision is made

The overall Curriculum is designed to train students for contemporary Architecture and Planning practice. 'Hands-on' approach to teaching is inculcated as a design pedagogy. A healthy mix of interactive studio-based learning, theory-based lectures and skill building workshops makes the strong base and foundation of the Architecture 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 that will be incorporated from the Academic year 2022-23:

1. **Revision in the Teaching and Examination Scheme of Semester-VII applicable to students to be registered from Academic year 2022 onwards**
 - Revision in the Teaching & Examination Scheme and Syllabi of Sem.-VII (Professional Training) by way of revision in the existing course in pursuance to the new guidelines of Council of Architecture, to be made effective for the students to be registered in the academic year 2022-23 onwards.
 - Field Studio is added in Semester- VII. Students can register either for 2AR766 (Related Study Programme-VI) or 2AR767 (Field Studio-II) in this semester, as per the notification no. 139 Dated 07.01.2022.
 - Further, credits of RSP or Field Studio will be given to the students based on their registration in either RSP or field studio in the respective semester.
2. **Revision in the Teaching and Examination Scheme and Syllabus of Semester – III & VI**

- The University Elective is shifted from Semester-III (as per previous TES Scheme) to Semester-VI, accounting to the concern of excess amount of teaching load in Semester-III, for the students to be admitted in the Academic Year 2021-22.
 - In addition to this, typographic error in Semester-VI, namely, “2AR667 (Related Study Programme – IV) or 2AR668 (Field Studio)” has been changed to “2AR666 (Related Study Programme – IV) or 2AR667 (Field Studio)”
3. **Revision in the Teaching & Examination Scheme and Syllabi of Sem.-VII (Professional Training)** by way of revision in the existing course in pursuance to the new guidelines of Council of Architecture, to be made effective for the students to be registered in the academic year 2022-23 onwards.
 4. Field Studio is added in Semester- VII. Students can register either for 2AR766 (Related Study Programme-VI) or 2AR767 (Field Studio-II) in this semester, as per the notification no. 139 Dated 07.01.2022.
 5. Further, credits of RSP or Field Studio will be given to the students based on their registration in either RSP or field studio in the respective semester.

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II. Teaching – Learning and Evaluation

Faculty pursuing PhD

Prof Jaydeep Bhagat, Prof Vibha Gajjar, Prof Jitendra Menghani, Prof Shweta Suhane, Prof Pratima Singh, Prof Foram Bhavsar, Prof Parag Mistry, Prof Dhaval Chauhan, Prof Pratyoosh Madhavi, Prof Sneha Ramani, Prof Digisha Mehta, and Prof Purvi Jadav are currently pursuing their PhD.

Innovation in Teaching – Learning & evaluation

1. The Institute has adopted innovative teaching methods and approaches as a part of teaching-learning pedagogy at the institute. Advancement of knowledge in the built environment is also based upon the critical questioning of some aspects of the pre-existent and established formal expressions and their underlying values and principles. This pedagogy of critical questioning has been embedded in the education at the Institute.

Following were some of the strategic innovations in pedagogy of Architecture teaching and learning adopted by the Institute during the academic year 2021-22:

- Installations at the Institute
- ‘Design+Build’ Collaborative Workshops
- Digital Technologies & Processes

Activities to sustain healthy practices

1. Courses such as ‘RSP’, ‘Architectural Design Studio’, ‘Research Thesis’, ‘Architectural and Planning theory and history’ engages students in critical and creative thinking processes to envision future sustainable environments of urban and rural India.

2. The institute focus is also to engage students with global and local issues like climate change, migrations, socio-economic imbalance, depletion of natural resources, etc in an academic environment and to make them realise their role and responsibility as professionals and citizens of India and the world.
3. To educate students with the professional ethics of Architecture profession, a Professional Practice course in Institute of Architecture and Planning emphasises on the code of professional conduct and legal aspects associated with profession.
4. Institute has a course on ‘Introduction to Ecology and Landscape’ and ‘Landscape design’, which emphasises on ecological issues pertaining to human settlements and design interventions. Thus, educating students on sustainability and ecological dimensions associated with the built-environment.
5. Further, stressing on the Research component in Architecture, Institute of Architecture and Planning has courses titled ‘Research Seminar’ and ‘Research Proposal’ allowing students to imbibe the value of research in architecture and learn the value of code of ethics pertaining Research.

- **Interdisciplinary Student project**

The students of Architecture and Civil Engineering participated in a live international student design competition ‘Solar Decathlon’ India. Team comprising architecture and engineering students participated in this real project competition which began in month of July ’21 and culminated in April’22. The groups were mentored by Ar. Manmayee Sharm.

- **Exam Reforms implemented**

The Institute of Architecture & Planning conducted Semester End Examination of even term and odd term - through online mode (Quiz/Viva/Assignments/Presentation based) for the B. Arch & B. Plan programme.

Number of faculty development programmes organised by the Institute

- **URGENT LECTURE Series**

As part of knowledge dissemination under URGENT Project, the Indian partners including Nirma University are organising Special Lecture Series every month.

S. No.	Date	Title	Speaker	Affiliation
1	20th July 2021	Inception Seminar	Shri R Srinivas	Town and Country Planner Head, Metropolitan & UT Division, Town and Country Planning Organisation, MoHUA, New Delhi
			Prof. Utpal Sharma	Director, Institute of Architecture and Planning, Nirma University, Ahmedabad
2	31st July 2021	Nature Based Solutions (NBS)	Dr Yogesh Gokhale	Senior Fellow, The Energy and Resource Institute (TERI), New Delhi

			Dr Anton Shkaruba	Senior Researcher, Estonia University of Life Sciences, Tartu, Estonia
3	28th August 2021	Looking at Urban Agriculture Beyond Food System	Dr Andrew Adam-Bradford	Visiting Researcher, University of Surrey, UK
			Dr Richard Baines	Principal Consultant, Agri-Business and Community Development, Gloucester, UK
4	25th September 2021	Sustainable Urban Watershed	Dr Daniele La Rosa	Associate Professor, Department of Civil Engineering and Architecture, University of Catania, Italy
			Prof R Parthasarthy	Director, Gujarat Institute of Development, Ahmedabad
5	30th October 2021	Mainstreaming Climate Action at Local Level	Dr Nambi Appadurai	Director and Strategy Head, Climate Resilience Practices, World Resource Institute (WRI), India
			Ms Prarthana Borah	India Director, Clean Air Asia, New Delhi
6	22nd January 2022	Urban Green in City Development Plan	Shri Lovelesh Sharma	Sector Lead- Water and Infrastructure, NIUA, New Delhi
			Dr Neeru Bansal	Associate Professor, Faculty of Planning, CEPT University, Ahmedabad
7	26th February 2022	Urban Challenges – Environment and Climate Change	Dr Sanjeeb Mohapatra	Scientist, Energy & Environmental Sustainability, National University of Singapore (NUS)
			Er. Sujeet Kumar Sahoo	Scientist, Department of Forest, Environment and Climate Change, Govt of Odisha
8	26th March 2022	Nature Based Solutions - Cities	Dr Anusheema Chakraborty	Consulting Professional, Mott McDonald, Dubai, UAE
			Dr Priya Naraynan	Program Manager, Urban Development, WRI India, Bengaluru

Invited/endowment lectures

- Research Colloquy is the initiative undertaken by faculty members of IAPNU where guest lectures are organised on research practices and processes. The first guest of the series was Prof. Punita Mehta - an academican and a practicing Architect based in Baroda who delivered a session on August 7, 2021, entitled on research as “Asking Questions and Getting Answer”.
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- The third guest lecture of the series Research Colloquy was held on October 16, 2021, a talk on Man vs Machine: On the Impact of Artificial Intelligence (AI) in Architecture by Dr. Laurent Lescop from ENSA, Nantes, France. The session was exploratory for the students who are using Digital Tools in Architecture discipline
- As a part of the 8th Foundation Day on September 14, 2021 Ar. Yatin Pandya and Ar. Krishna Parikh shared their knowledge to students. Ar. Yatin Pandya shared his architectural journey through his collected experiential learnings. Another guest Ms. Krishna Parikh from Compartment S4 was a young architect who shared her experience of couple of very creative projects which came across her way.
- Institute of Architecture & Planning invited Prof. Charanjit Singh Shah to give his view on "Green and Sustainable Architecture" on September 15, 2021. Prof. Charanjit Singh Shah is an Architect and infrastructure expert as well as Art and Architecture critic along with it he is Founding Principal of Creative Group and Chairman of Smart Habitat Foundation.
- The celebration of World Habitat Day was held offline on October 5, 2021. IAPNU invited Mr. Probir Banerjee, who is the President of PONDYCAN (Pondy Citizens' Action Network), an NGO committed to preserve and enhance the natural, social, cultural and spiritual environment through a collaborative approach. He is a member of several committees formed by the Government of Puducherry. He is a Globetrotter and has travelled to more than 50 countries. Probir Banerjee opened his knowledge tank on "Collaboration for an Integrated Planning and Development of Pondy Bioregion". As a part of the same he showed his worked on his couple of projects, which includes Pondy Beach Restoration, Holistic development of the Pondy-Auroville Bioregion, Rejuvenation of water bodies in Pondicherry. The session gave the new perspective to viewers on sustainability.
- Lalit Kishor Bhati, an Architect and Urban Planner, was invited for the lecture on "Exploring Integrated Planning and Urban Design Matrix for a City and Society – A case of Auroville" on January 28, 2022. He has been living and taking part in Auroville's planning, development and related learning activities for the last 15 years and has worked in collaboration with Roger Anger team and BV Doshi in preparing the proposal for the Auroville Master Plan.
- As part of the 'Urban Resilience and Adaptation for India and Mongolia' - URGENT Project, Shri Lovelesh Sharma, Sector Lead for Water and Infrastructure National Institute of Urban Affairs (NIUA), New Delhi and Dr. Neeru Bansal, associate professor at Faculty of Planning, CEPT University shared his views on Urban Greens in City Development Plans on January 22, 2022.
- As a part of research capacity building for faculty and students of B Arch programme, a Workshop on Virtual Reality (VR) was organised from February 21 to 25, 2022. The workshop was done in collaboration with ENSA, Nantes, France. Students from France and Nirma worked on various projects, under the theme "Matryochka"-The market place. The workshop was conducted by Prof. Laurent Lescop, an Architect and a Doctorate in Sciences with Habilitation, is a Scholar-Professor at the Nantes' Superior School of Architecture (ENSA Nantes, France) and Dr. Haddas Sopher, a Postdoctoral Researcher at the CRENAU/AAU UMR CNRS at France. It was coordinated by Dr. Aparna, Prof. Foram Bhavsar and Prof. Vibha Gajjar from IAPNU. The students worked with various 3d softwares and Spatial - a virtual reality immersive software to generate virtual environments that generate shared immersive experiences. The students experienced with VR spaces using VR headsets to modify and alter spaces.

- As part of the ‘Urban Resilience and Adaptation for India and Mongolia’ - URGENT Project a lecture was conducted by Dr. Sanjeeb Mohapatra, Scientist at Energy & Environmental Sustainability, National University of Singapore & Er. Surjeet Kumar Sahoo, who is also a scientist at Department of Forest, Environment and Climate Change, Government of Odisha, on Emerging Environmental Contaminants and Newater Perspectives of Developing and Developed Countries on February 26, 2022.

III. Research & Consultancy & Extension

Research Projects

Major Research Project funded by External Agencies:

Financial Year	Completed		Ongoing		Sanctioned	
	Number	Amount (Rs in lacs)	Number	Amount (Rs in lacs)	Number	Amount (Rs in lacs)
2021-22	-		2	76.76	-	-
2020-21	1	10.40	1	10.93	1	65.83

Minor Research Project funded by Nirma University:

Financial Year	Sanctioned / On-going/ Completed	
	Number	Amount (Rs in lacs)
2021-22	4	4.49
2020-21	2	1.70

Ongoing Major Research Projects:

Sr. No.	Title of the Project	Project Investigator/s	Funding Agency	Grant (in Rs.)
1	Urban Resilience And Adaptation For India And Mongolia: Curricula, Capacity, ICT And Stakeholder Collaboration To Support Green & Blue Infrastructure And Nature-Based Solutions / Urgent.	Prof. Swati Kothary (In collaboration with other institutes of international repute)	Erasmus+ Capacity Building for Higher Education (Erasmus+ CBHE), European Union	65,83,300/-
2	Residential Building Energy Demand Reduction in India (Reside).	Prof. Utpal Sharma & Prof. Purvi Jadav	Department of Science & Technology	10,92,500/-
	Total Grant			76,75,800/-

Sanctioned, Ongoing and Completed Minor Research Projects during the Year

Sr. No.	Title of the Project	Project Investigator/s	Funding Agency	Grant (in Rs.)
1	Social acceptability of high rise living in India-A case of Ahmedabad City.	Prof. Purvi Jadav & Prof. Nishant Kansagara	Nirma University	1,10,000/-

2	Transit and Development: The case of Bus Rapid Transit in Ahmedabad, India.	Prof. Dhaval Chauhan & Prof. Jitesh Mewada	Nirma University	1,10,000/-
3	Socio ecological approach to Urban Forest Governance. A case of Ahmedabad City, Gujarat, India.	Prof. Shweta Suhane	Nirma University	1,30,000/-
4	Adaptation of revitalized Urban public spaces: A case of Ahmedabad.	Prof. Parag Mistry	Nirma University	99,000/-
Total Grant				4,49,000/-

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
2020-21	01	1500	12	83209

- **Publication by Institute – International / National Conference proceedings, Institute journals, dissertation abstracts, Ph.D. Thesis, etc**

1. A proceeding of the International Conference on ‘Future is Urban’(ICFU ’22) is in the process of publication by the Taylor and Francis group.
2. A book chapter of the selected papers from the conference is also in the process by Taylor and Francis group.

- **Awards and Recognitions (Institute/Department/Faculty)**

Sr. No.	Award	Award Received From	Award Received by Institute / Faculty	Any other detail
1	Indian Ocean Exchanges Fellowship	Getty Foundation, Los Angeles California and University of Binghamton, New York	Prof. Dhaval Chauhan	2021-2023 Travel Fellowship

- **Citation index of faculty member and impact factor**

The Google Scholar Citation and H- Index of faculties from the Institute are:

S. No.	Name of Faculty Member	H- Index (Google Scholar)	Citation (Google Scholar)
1	Prof Utpal Sharma	3	32
2	Prof Pratima Singh	3	16
3	Prof Ankit Kumar	1	8

- **Ongoing Research Collaboration/New collaboration**

The Institute of Architecture and Planning is a part of the Urban Resilience and Adaptation for India and Mongolia: Curricula, Capacity, ICT and Stakeholder Collaboration to support Green & Blue Infrastructure and Nature- Based Solutions/URGENT Project which is a collaboration between universities across countries to modifying curricula, enable Capacity Building of partner institutes and country, develop ICT based courses and Stakeholder collaboration for better outreach. There are 4 European universities, 6 Indian universities and 6 universities from Mongolia coming together as part of this project. The project will continue till 2024.

Ongoing Minor Research Project:

Sr. No.	Name of Project	Name of PI	Name of Co PI	Funds provided (INR in Lakhs)	Duration in Months	From Date	To Date
1	Socio- ecological approach to Urban Forest Governance. A case of Ahmedabad City, Gujarat, India	Shweta Suhane	-	1,30,000	15 Months	1st April 2021	30th June 2022
2	Framework for safe evacuation of Indian elderly during fire disaster In high rise residential building: A case of Ahmedabad	Prachi Patel	Ankit Kumar	90,000/-	16 Months	1st April 2020	31st July 2021
3	Affordable Housing: A Comparative Analysis of Projects in Ahmedabad	Pratima Singh	-	60,000	54 Months	1- Jun- 18	30th November 2022
4	Social acceptability of high rise living in India – A case of Ahmedabad city.	Purvi Jadav	Nishant Kansagara	1,10,000/-		1st April 2021	31st July 2022
5	Adaptation of revitalized Urban public spaces: A case of Ahmedabad	Parag Mistry		99,000/-		1st April 2021	31st July 2022

- **Internal Resources Generated**

UNESCO has given status of heritage city to Ahmedabad old city. Ahmedabad world heritage city trust, Ahmedabad Municipal Corporation has appointed IAPNU to work on heritage documentation to prepare a compilation of more than 3000 heritage properties in the city.

The ongoing RESIDE Project is also contributing in the research field.

Equipment was installed at three places in C Block under the URGENT Project. This makes 2 lecture rooms and Conference Room Video Conference enabled with Interactive Screens, Speakers, Microphones and camera.

Summary of the Research Publications in the financial year:

Year	National Journal			International Journal		
	Number of papers published	Number of papers considered for calculation of average impact factor	Average impact factor	Number of papers published	Number of papers considered for calculation of average impact factor	Average impact factor
2020-21	0	-	-	4	-	-
2019-20	1	-	-	1	-	-

• **Details of Research Publications:**

Research Publications by Faculty

Sr. No.	Title of paper	Name of the author/s	Department	Name of Journal	Year	Month	ISSN Number
1	Deliverable to Improve Air Quality Using NDVI Analysis for Ahmedabad City: Addressing the Agendas of SDG	Prof. Vibha Gajjar, Prof. Utpal Sharma, Prof. Hetanki Shah	Institute of Architecture and Planning	Current Research in Environmental Sustainability	2021	March	2666-0490
2	Alternative assessment method for air quality using NDVI analysis to achieve SDG goals for Ahmedabad City, India	Prof. Vibha Gajjar, Prof. Utpal Sharma, Prof. Hetanki Shah	Institute of Architecture and Planning	Ecology, Environment and Conservation	2021	June	0971-765X

- National journals – refereed papers - 1
- Paper Presentation - 3 (National)

Sr. No.	Book Title	Book Chapter Title	Name of Book Publisher	Year of Publication	ISBNNo	Publication Type	Author
1	International Conference on Resilient and Liveable City Planning (RLCP - 2020) Transforming Urban Systems	Analysis of Public Spaces: Identifying the Gap between Design Intent and Design Outcome	BS Publications	2020-21	978-93-90211-61-6	Chapter in Proceeding	Ms. Pahini Shah, Prof. Digisha Mehta
2	International Conference on Resilient and Liveable City Planning (RLCP - 2020) Transforming Urban Systems	Fire safety provisions for elderly in High Rise Residential Buildings in India	BS Publications	2020-21	978-93-90211-61-6	Chapter in Proceeding	Prof. Ankit Kumar, Prof. Rachna Khare, Prof. Sandeep Sankat, Prof. Pratyooosh Madhavi
3	International Conference of Architecture, Engineering & Technology (AET) 4th Edition	A chronological exploration of initiatives in an Automobile Cluster: A case of Pithampur, India	IEREK Press	2020-21		Chapter in Proceeding	Prof. Pratyooosh Madhavi, Prof. Ankit Kumar
4	ICON BEST 2021	Potentials and barriers in adoption of prefabrication for Indian construction industry - A survey of Gujarat construction professionals	SCHOOL OF ARCHITECTURE AND INTERIOR DESIGN	2020-21	ISBN - 978-93-84136-22-2	Chapter in Proceeding	Prof. Himanshu Agrawal, Prof. Sujan Umaraniya
5	ICON BEST 2021	Beyond those high walls : Architecture of Incarceration & Human well-being - case of Indian prisons	SCHOOL OF ARCHITECTURE AND INTERIOR DESIGN	2020-21	ISBN - 978-93-84136-22-2	Chapter in Proceeding	Prof. Chinar Shah, Prof. Sujan Umaraniya
6	ISVS -10 : Re-domestication of the World after the pandemic: A Re-visit to the Origins and manifestations of domesticity in Vernacular Settlements	Evolving Morpho-Typology: Use of pre-fabrication in spontaneous vernacular urban habitats of coastal Saurashtra		2020-21		Chapter in Proceeding	Prof. Sujan Umaraniya, Prof. Jitendra Menghani

7	ISVS -10 : Re-domestication of the World after the pandemic: A Re-visit to the Origins and manifestations of domesticity in Vernacular Settlements	Socio-Cultural Determinants Shaping the Nagar Community-Dwelling-Case Study of Patan		2020-21		Chapter in Proceeding	Prof. Vibha Gajjar, Prof. Foram Bhavsar, Prof. Heer Vora
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Revenue generated in:

Financial Year	Consultancy	Testing	Training	Other (Specify)
2020-21			200352	
2019-20	83865	-	-	92270.25

Extension Activities / Community services by Institute

- **Spreading awareness in volunteers regarding untouchability- 2nd April 2021**

This documentary is the most comprehensive look at the "untouchables" in India. Online screening of movie 'India Untouched' was followed by discussion.

- **Visit to Gandhi vaas – informal settlement in Ahmedabad with a group of few student-volunteers**

Students of IAPNU along with three faculty members visited the centres and various Anganwadis that were developed by Manav Sadhana in the settlement. They saw the way they worked, met the teachers as well as the students. The purpose of the visit was to sensitise students regarding issues faced by children of slums and to show them the efforts and programmes conducted by Manav Sadhana so that they can think about and work out details of activity they would like to engage in.

- **Signing of MoU with Manav Sadhana**

IAPNU has signed MoU with Manav Sadhana NGO with the purpose of collaborating with them for social work activities. The NGO is active in slums of Ahmedabad and has multiple programmes related to community building, environment, women empowerment, education, employment, healthcare and nutrition, etc. Through their centres and their association with the anganwadis of many slum areas of Ahmedabad the institute aims to undertake activities which support the vulnerable population of our society. Prof. Utpal Sharma (Director, IAPNU) Prof. Vibha Gajjar, and Prof. Jitendra Menghani visited the Manav Sadhana Centre in Gandhi Ashram premise to sign the MoU with Shri Viren Joshi, Founder Trustee of the organisation.

- **Socio-economic survey and study of the allocated area near of the informal settlement**

The students were distributed into groups of 4 or 5 students each and were allocated an anganwadi and an area of housing settlements surrounding the same between 2 groups. Each group was introduced to the respective Anganwadi in-charge who could help them in their study. They were given a template of socio-economic survey form used by the GoI as a reference for initiating their study. They also studied and documented the nearby anganwadi structure, one house and the outdoor areas used by the people in detail. At the end of the study each group prepared a report and gave a brief understanding related to the people and the place they were allocated. They were also supposed to propose an activity that they would like to perform in the settlement based on their study.

- **Poster installation for the Anganwadi**

After visiting the slums and anganwadis at Sabarmati, Ahmedabad, students made educational posters and graphics for chosen anganwadis and installed it on site with the belief that this effort will contribute to bettering facility at these anganwadis.

- **Best out of Waste – Paper articles**

To promote reuse and recycling of paper, a workshop was conducted to engage students in making of useful and functional articles out of waste paper. These ideas of utilising waste paper to make products of utility will be shared with Manav Sadhna centres and volunteers. This will add as an extended support to the stall that they have for selling paper products at their centre at Gandhi Ashram.

- **11th Bharatiya Chhatra Sansad**

BCS has created a platform for student leaders across India to come and share their views on session topics by providing them a national platform. Online participation of NSS Volunteers in the 11th Bharatiya Chhatra Sansad, Student Parliament (Online) organised by MIT School of Government, Pune from Sept. 23rd to 28th 2021.

- **Innovation in Sustainability and Waste Management**

Online participation of students in panel discussion on topic ‘Innovation in Sustainability and Waste Management’ conducted by NSS, IIT Bombay on 5th September 2021 on the event of Zero Waste Week.

- **Social Work activities in area of interest**

During the COVID times when movement was restricted, students were asked to perform activities near their locality or online. Student volunteers observed various issues and concerns where they could make their small contribution. Few of the activities are highlighted below:

- **Feeding animals and birds:** To protect stray animals from being bullied, feeding them and to show love to them.
- **Spreading awareness through Poster Design:** Covid 19 Vaccination Awareness.
- Exposure visit of Manav Sadhna children accompanied by volunteers from the NGO was arranged at the campus. This was also the last day of Kalp 2022 festival. Children enjoyed the festive atmosphere at the institute and saw art installations. An origami workshop was conducted by NSS volunteers and children were provided with a meal as well.

Sr. No.	Name of Extension/ NSS Activity	Date & Duration	Organising Club/ Committee	No. of student participants	Name of Faculty involved	Short Description of the event
1	Visit to Gandhi vaas – informal settlement in Ahmedabad with a group of few student volunteers	18 th November 2021	NSS	80	Prof. Jitendra Menghani, Prof. Nishant Kansagra, Prof. Digisha Mehta	The students visited the various anganwadis that were developed by Manav Sadhana in the settlement

2	Signing of MoU with Manav Sadhana	24 th November 2021	NSS	3	Prof. Utpal Sharma, Prof. Jitendra Menghani, Prof. Vibha Gajjar	The NGO is active in slums of Ahmedabad and has multiple programmes related to education, employment, healthcare and nutrition, etc.
3	Socio-economic survey and study of the allocated area near the informal settlement	26th Nov. 2021	NSS	80	Prof. Jitendra Menghani, Prof. Nishant Kansagra, Prof. Digisha Mehta	The students were allocated an anganwadi and an area of housing settlements surrounding the same between 2 groups. They were given a template of socio-economic survey form used by the GoI as a reference for initiating
4	Poster making for the Anganwadi	27th Nov. 2021	NSS	15	Prof. Jitendra Menghani, Prof. Nishant Kansagra, Prof. Digisha Mehta, Prof. Krishna Kumar Yadav	The students were asked to prepare an educational poster for their respective anganwadis and install the same
5	Best out of waste – paper articles	13th Dec. 2021	NSS	12	Prof. Jitendra Menghani, Prof. Nishant Kansagra, Prof. Digisha Mehta, Prof. Krishna Kumar Yadav	These ideas of utilising waste paper to make products of utility are shared with Manav Sadhna centres and volunteers
6	Azadi ka Amrut Mahotsav – National Anthem	15 th August 2021	NSS & Social work	72	Prof. Jitendra Menghani, Prof. Nishant Kansagra, Prof. Digisha Mehta, Prof. Krishna Kumar Yadav	Online participation of NSS Volunteers in Rashtriya Gaan Video uploading on the portal of Azadi Ka Amrut Mahotsav organised by Ministry of Culture

7	Azadi ka Amrut Mahotsav – Fit India Freedom Run	13 th August to 17 th August 2021	NSS & Social work	40	Prof. Jitendra Menghani, Prof. Nishant Kansagra, Prof. Digisha Mehta, Prof. Krishna Kumar Yadav	Online participation of NSS Volunteers in Fit-India Movement. As part of Government Initiative, student volunteers participated in the same
8	11 th Bharatiya Chhatra Sansad	23 rd to 28 th September 2021	NSS & Social work	24	Prof. Jitendra Menghani, Prof. Nishant Kansagra, Prof. Digisha Mehta, Prof. Krishna Kumar Yadav	Online participation of NSS Volunteers in the 11 th Bharatiya Chhatra Sansad (Indian Students' Parliament)
9	Innovation in Sustainability and Waste Management	5 th September 2021	NSS & Social work	20	Prof. Jitendra Menghani, Prof. Nishant Kansagra, Prof. Digisha Mehta, Prof. Krishna Kumar Yadav	Online participation of students in panel discussion on topic 'Innovation in Sustainability and Waste Management' conducted by NSS, IIT Bombay
10	Visit of children from Manav Sadhna to IAPNU for half a day	10 th March 2022	Extension Activities – Social Work	45	Prof. Nishant Kansagra, Prof. Jitendra Menghani, Prof. Digisha Mehta	Exposure visit of Manav Sadhna children accompanied by volunteers from the NGO was arranged. An origami workshop was conducted and children were provided with a meal
11	Anganwadi Installation	Jan to May 2022	Extension Activities – Social Work	62	Prof. Nishant Kansagra, Prof. Jitendra Menghani, Prof. Digisha Mehta	Students prepared educational graphics and installations for anganwadis at the Slums near Sabarmati area, Ahmedabad.
12	Making of Paper Products	Jan to May 2022	Extension Activities	34	Prof. Nishant Kansagra, Prof. Jitendra	Students designed and prepared samples of paper

			– Social Work		Menghani, Prof. Digisha Mehta	products for Manav Sadhna centre at Gandhi Ashram. Making of these unique products will be taught to the children of this centre.
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MoU signed/Collaborative activities done related to MoU/ tie-ups with other organisation

Sr. No.	Date	Name of the Organization	Level
1	August 2, 2021	Neprise Consulting Pvt. Ltd., India	National
2	November 24, 2021	Manav Sadhna NGO, Ahmedabad	National
3	28 th Dec. 2021	MoU signed with School of Architecture and Engineering Technology, Florida Agricultural and Mechanical Univeristy (FAMU)	International
4	3 rd Sept. 2021	FHWS (Hochschule fur angewandte Wissenschaften Wurzburg-Schweinfurt, Germany)	International

Linkages with national/international academic/research bodies

Activity done in collaboration/Tie-ups with International Universities/Organisations:

Sr. No.	Activity	Date	Name of Student/ Faculty/ Expert involved
1	International Conference on 'Future is Urban', 2021 (ICFU'21)	16th to 18th Dec. 2021	Prof. Jitendra Menghani, Prof. Ankit Kumar, Prof. Swati Kothary, Dr. Aparna, Prof. Shweta Suhane, Prof. Prachi Patel
2	Matryoshka: A Workshop on Virtual Reality (VR) for Architectural Research with ENSA, Nantes	21st to 25th February, 2022	Dr. Aparna and Prof. Forum Bhavsar

Activity done in collaboration/Tie-ups with National Universities/Organisations

Sr. No.	Activity	Date	Name of Student/ Faculty/ Expert involved
1	International Conference on 'Future is Urban', 2021 (ICFU'21)	16th to 18th Dec. 2021	Prof. Jitendra Menghani, Prof. Ankit Kumar, Prof. Swati Kothary, Dr. Aparna, Prof. Shweta Suhane, Prof. Prachi Patel
2	Visit of Children from Manav Sadhna Centre at IAPNU during Kalp'2022	19 th Mar. 2022	Prof. Jitendra Menghani, Prof.

3	Recce visit at Manav Sadhana by faculty members	17th Nov. 2021	Nishant Kansagra, Prof. Digisha Mehta, Prof. Krishna Kumar Yadav
4	Visit to Gandhi vaas – informal settlement in Ahmedabad with a group of few student volunteers	18th November 2021	
5	Socio-economic survey and study of the allocated area near of the informal settlement	26th Nov. 2021	
6	Poster making for the Anganwadi	27th Nov. 2021	
7	Best out of waste – paper articles	13th Dec. 2021	

IV. Infrastructure and Learning Resources

Library details of the Institute of Architecture & Planning library as on 31.03.2022

Books (Vol)	3847
Books (Titles)	3307
E-Books	*
Periodicals (Print)	6 Print + 413 Online Journals (370 EBSCO Art & Architecture & 43 Sage Urban Studies & Planning Collection)
Online Journals Packages	2 (EBSCO Art & Architecture & Sage Urban Studies & Planning Collection)
Newspapers	8
Dissertation/Project Report	268 (181 Architecture + 87 Planning)
Electronic Media	137
Photo Albums	6
Bound Volumes	93

V. Student Support and Progression

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

All India Category: 72.75 Merit Marks

NRI Category: 56.98 Merit Marks

Number of students receiving government scholarship/fellowship

Scholarship Scheme	Total
Schedule Caste (SC) Freeship Card Scholarship	9
Gujarat Govt. scheme ST student (family income more than 2.5 lac)	3
Gujarat Govt. scheme ST student (family income more than 2.5 lac / Free ship Card)	1
Gujarat Govt. scheme SEBC student Post S.S.C. Scholarship for Girls (SEBC)	1
Merit Cum Means Central Govt.	1
Mukhya Mantri Yuva Swavalambam Yojana (MYSY)	25
Total	40

- **Student Achievements**

National Best Thesis Award

Research Thesis titled ' Water Conservation and Harvesting in Semi-Arid Region of Rajasthan: Study of Rural Areas in Jaipur District' conducted by Ms. Bhujal Varia won the Prof. D.S. Meshram

National Best Thesis Award, 2021 in the category of Undergraduate Planning Students at the 70th National Town and Country Planners Conference held at Bhopal during January 14 -15, 2022.

Writing Architecture trophy

The students of the Institute of Architecture and Planning, Nirma University, have participated in the Writing Architecture trophy (WAT 2020-21) in the 63rd year of the Annual NASA (National Associate of Students of Architecture) Competition in June 2021 and were shortlisted in the top 50 among 500 architecture colleges in India. The challenge for the Writing Architecture trophy for 2020-21 was to make a case for/against the idea of architecture/design as an implementation of positive change. How can we, as creative professionals be more empathetic towards the large issues that challenge our society and how can we confront them through our work.

Value added courses -

1. Installation Design and Execution (2ARV01)
2. Appropriate & Emerging Material & Technology in Construction (2ARV02)
3. Portfolio Making (2ARV03)
4. Performing Arts (2ARV04)
5. Representation Skill Development (2ARV05)
6. Visualisation Skills (2ARV06)
7. Movie Making (2ARV07)
8. Soft Skills for Professionals (2ARV08)
9. Art in Architecture (2ARV09)
10. Graphics and Product Design (2ARV010)

Sports activities

1. Lawn Tennis Tournament

IAPNU organised an Inter Institute Lawn Tennis Tournament in collaboration with Student Welfare Board, Nirma University on March 19, 2022. Four of the institutes participated. Mann Kodwani from ICNU was the winner of the tournament, and Saifin Mansuri from IAPNU was the runner up.

2. A marathon – COVID run was organised at the Nirma campus on 9th March 2022. A total of 75 participants were there.

Youth welfare and cultural activities

Sr. No	Name of event	Date	Organizing club	Level of Event	No. of student participants		Name of the guest/ judges/ resource persons	Short Description of the event
					M	F		
1	Teachers' day Celebration	4 th September, 2021	Cultural welfare, IAPNU	Institute level	80	130	Sujan Umraniya	Organised by the students council and cultural committee. There were exciting games and events organised. The teachers were felicitated by the students.
2	Ganesh Chaturthi	10 th September, 2021	Cultural welfare, IAPNU	Institute level	50	42	Sujan Umraniya	A sustainable and organic Ganesh idol was prepared by the students and the festival was celebrated with enthusiasm.
3	Foundation day	14 TH September, 2021	Cultural welfare, IAPNU	Institute level	100	110	Jaydeep Bhagat Prachi Patel	Guest lecture by eminent architect Ar. Yatin Pandya was organised under the theme Engage, Build and Transform.

4	World Habitat Day	5 th October, 2021	Cultural welfare, IAPNU	Institute level	115	119	Aparna Prachi Patel	Mr. Probir Banerjee gave a lecture on "Collaboration for an Integrated Planning and Development of Ponds Bioregion".
5	Workshops - Tie and dye workshop, Knife art workshop and Calligraphy Workshop	8 th and 9 th March, 2022	Art & Craft club	Institute level	40	47	Foram Bhavsar	As part of Kalp, in association with Art & Craft club, three workshops were organised.
6	Dance workshop	8 th March, 2022	Dance Club	Institute level	11	9	Foram Bhavsar	Dance workshop - contemporary was organized as part of Kalp in association with Dance club.
7	Kavitra	9 th March, 2022	Poetry Club	City level	12	15	Foram Bhavsar Sujan Umraniya	There were 27 participants and more than 150 people as the audience.
8	Cultural Night and Talent Hunt	9 th and 10 th March, 2022	Cultural welfare, IAPNU	University level	155	201	Foram Bhavsar	Events were organised as part of Kalp 2022.
9	Treasure Hunt and Quiz	9 th and 10 th March, 2022	Cultural welfare, IAPNU	Institute level	39	33	Jitendra Menghani	Events were organised as part of Kalp 2022.
10	Interinstitutional Design challenge: 'Spark Plug'	9 th and 10 th March, 2022	Student welfare, IAPNU	Institute level	23	18	Jitendra Menghani	Events were organised as part of Kalp 2022.

Number of extracurricular activities organised in collaboration with other agencies on Campus: 1

The graduating students cleared the following competitive exams:

IELTS - 09 Students

Alumni Association – activities supporting students

Meetings were held on 30th October 2021 and 22nd December 2021 to discuss and organise the In-house convocation.

After a long gap due to Pandemic four batches, 2 from Planning and 2 from Architecture were given a formal send off on 11th March 2022. Students from 2015, 2016 and 2017 batches came in large numbers to receive mementos from invited guests, Prof. Amogh Gupta and Prof. Jitendra Singh. The alumni also shared their experience from the field with the current batches.

Activities of Guidance & Counselling unit

Portfolio making was added as Value Added Course for the VI Semester and Prof. Rupinder Singh conducted it from 17th January to 10th March 2022. Other faculty members contributing to it are Prof Utpal Sharma, Director, IAPNU, and Prof Dhaval Chauhan, Assistant Professor, IAPNU.

Placement services to students

A couple of sessions for placement were conducted by Prof. Shweta Suhane and Ms. Harjeet Kaur. 11 students seeking placement support were helped to prepare a brochure.

26 Students are working as entrepreneurs and have started independent practice after registering with the Council of Architecture. One student was placed as Visiting Faculty in the BArch programme of Institute of Architecture & Planning, Nirma University. One student has been appointed as Junior Architects in HCP Design, Planning & Management Pvt Ltd, Ahmedabad. Students have been also appointed as Junior Architects in Architectural Firms like Endratesh Architects & Interior Designer, Compartment S4, Ahmedabad, Aakruti Architecture & Interior Designing, Ahmedabad, HIE HQ, Lucknow, Design Cube, Indore, J Design Studio, and Studio Lagoon, Surat.

Institute of Commerce

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Outstanding Achievements and Important Activities

During 2021-22, the institute organised several academic, co-curricular, and extension, activities. The National Level Case Analysis Competition (NLCAC 2.0) was hosted on the theme “Bridging the Gap between Rhetoric and Practice of Sustainable Management” in association with the Indian Society for Training and Development (ISTD, Ahmedabad Chapter) through an Online Platform on April 27, 2021 with 260 participants pan-India. The institute also organised Commerce-WizQuiz on a national scale for all the HSC students in the pandemic era which received participation from 553 students. The institute was assigned the responsibility to act as a host institute for the Inter Institute Basketball tournament from March 24-25, 2022 in collaboration with the Student Welfare Board. The institute organised Capacity Building Programme funded by ICSSR on “Contemporary Issues in Accounting Education and Research” from February 28-March 12, 2022 for the faculty members pan-India.

Dignitaries visited

A total of forty-six dignitaries visited the campus or interacted through the online platform during the academic year 2021- 22, the details of which are given in Section II.

I. Curricular Aspects

No. of courses where major revision is made: The process of designing a new four-year BCom (Hons.) curriculum has begun in line with the New Education Policy. Hence, no major revision was made in any of the courses of the current programme.

Any other Initiative/Innovation in curricular design:

- A course blog has been developed for each course and access of which is available to students.
- Moodle and CISCO Webex were extensively used for course delivery to enable 24x7 learning.
- Interactive videos explaining the concepts of respective courses are screened in the online classroom to increase student participation in class.
- Industry and academic experts are invited for expert talks on different topics.
- Case-based teaching and learning model is adopted for enhancing the analytical skills of the students.
- In order to give practical exposure, assignments are adopted as an important part of learning and evaluation.
- The corporate internships are integrated as an important part of the curriculum to make students corporate/industry-ready.
- The social internships are also integrated as an important part of the curriculum to inculcate the social skills and values amongst the students for the welfare of society.

II. Teaching-Learning and Evaluation

Faculty Completed/Pursuing PhD: The Institute currently has eleven core faculty of which seven are holding a doctorate. Three faculty are pursuing PhD as per the following details:

Name of Faculty	Topic of Research	Pursuing from	Research Supervisor
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
CS Karishma Butani	An Analytical Study on Efficacy and Effectiveness of Financial Inclusion in Kachchh District	Department of Commerce & Management, KSKV Kachchh University	Dr. P. S. Hirani Dean Faculty of Commerce, KSKV Kachchh University
Gopika Juneja	ESG Funds in India	School of Commerce, Gujarat University	Dr. Yogesh Desai, Assistant Professor, National College of Commerce, Gujarat University

Innovation in Teaching - Learning & Evaluation

- **Academic Continuity Through Online Teaching** - In order to ensure that there is no loss of teaching-learning, the faculty of ICNU continued their teaching and evaluation in online mode as well as offline mode. The classroom teaching was done in hybrid mode, whereas the Semester End Examinations were conducted in offline mode. The faculty members used various online platforms to conduct mentoring sessions, online lectures, assessments, and evaluations including group project presentations, quizzes, and assignments in lieu of class tests. Online resources, videos, power-point presentations, and study notes were shared with the students for additional reading.
- **Online Corporate Internships** – The corporate internship is a regular feature of the course BCom (Hons.) of ICNU. The students are required to undergo compulsory four to six-weeks training with a corporate after completion of semester IV. However, considering the present Covid-19 pandemic, the institute decided to permit online/ work from home internships for corporate internships. The students were assigned faculty mentors who monitored the work progress of the students. Due to extended Covid-19 pandemic, conducting of physical seminars was not possible. Thus, the institute decided to organise various online programmes like webinars, virtual workshops, and online guest lectures so that the learning process is not interrupted and the students continue to learn and develop their skills amidst the pandemic situation. The following are the details of such events:
 - **Guest Lecture on Data Analytics in Accounting** was organised on May 30, 2021. The institute welcomed the participants from all over the nation and the Guest Speaker Dr. Partha S. Mohapatra (Professor of Accounting Analytics California State University, USA). Around 240 participants were present during the webinar.
 - **Expert Session on SWOT Analysis** was conducted by Mr. Uday Dholakia, Leadership Coach and Chief Mentor on July 27, 2021.
 - **Expert Lecture on Business Ethics and Corporate Governance** was organised on July 28, 2021. The expert speaker Dr. (CA) Nilesh Suchak, Associate Professor –R J Tibrewal College of Commerce and Member of Ad-hoc BoS of ICNU, illustrated the need for Business Ethics and Corporate Governance and also discussed the case studies of some personalities. Around 95 participants from 3rd year joined the talk.

- **Guest Lecture on Three Pillars of Growth** was conducted by Ms. Mahima Paliwal – Director - eArt Foundation, Ahmedabad for the students of ICNU from Semester I and Semester V (BFSI group) on October 8, 2021 in a hybrid mode.
- **Guest Lecture on Role of Finance Graduates in new Digital Frauds and Scam** was conducted by CA Naveen Vaswani Lead Financial Reporting Consultant at Wells Fargo Ltd on February 5, 2022.
- **Guest Lecture on Role of Technology and Challenges in Auditing during the Covid times** was conducted by CA Jigen Shah, FCA, DISA (ICAI), CISA (USA), and Senior Partner of J. C. Shah & Co., Chartered Accountant’s firm on October 29, 2021. He explained in detail how auditing techniques have been upgraded and replaced the human intervention in the Covid scenario and significantly accelerated the evolution towards a “virtual” audit. He further highlighted that all future audits will be technology-centric as they embrace digital technologies.
- **Virtual Workshop on placement training and interview skills** was organised during October 16-19, 2021 for grooming the graduating batch to face the various stages of the recruitment process, hone their soft skills, and make them industry ready for the jobs.
- **Guest Lecture on Youth and Nation Building** by Mr. Maheshbhai P. Mehta, Deputy Director at Gujarat Commissionerate of Higher Education was organised on December 18, 2021.
- **Guest Session on Career Opportunities in International Banking** by Ms Vasudha Khandelwal, Head IIFC Banking Unit, Kotak Mahindra Bank, GIFT City was organised on October 7, 2021.
- **Guest Session on Career Counselling and Opportunities for Higher Studies outside India** was conducted by Prof. Urmish Jhaveri, Uniworld Education on March 23, 2022.
- **Guest Session on Education and Gender Equality** by CS Savithri Parekh, Company Secretary and Compliance Officer at Reliance Industries Limited, and a recipient of the Chevening Scholarship for young Indian Lawyers funded by the Foreign Commonwealth Office, UK.
- **Online workshop on Advance Ms Excel** was conducted during January 06-11, 2022 for the batch of 2019-21. The trainer CA Shivam Soni discussed and demonstrated the use of VLookup, HLookup and Dashboards for data mining and visualisation.
- **Expert Session on Money Management** by Mr. Vipul Tyagi, Co-founder and CEO-Orphicy, and Director-IMS Gujarat was conducted on March 7, 2022. Mr. Tyagi began the session by asking ‘Is money really important?’ and ‘How do we become rich?’ He kept the session interactive through small quizzes, role-plays, and real-life cases. He shared his expertise on the asset classes like stocks, bonds, real estate, crypto, among others.
- **Expert Session on Marketing Mix** was conducted by Mr. Mukesh Pareek, Co-founder and COO-Orphicy, on March 8, 2022. A total of 8P’s of Marketing were explained by him.
- **Expert Session on Entrepreneurship** was conducted by Mr. Ujjwal Nagar, Co-founder and CMO-Orphicy, Director-IMS Gujarat on March 9, 2022.
- **Expert Session on Innovation and Creativity** was conducted by Mr. Abhishek Singh, CMO, IMS Gujarat, IAF Flying officer inductee. Various types of innovation, for example, Business Model Innovation, Process Innovation, Positioning or Communication Innovation, among others were discussed.
- **Expert Session on MBA – A Leaders’ Path** was conducted by Mr. Abhishek Singh, CMO- IMS Gujarat, IAF Flying officer inductee.

Activities to sustain healthy practices

- Regular attendance and academic progress of the students were monitored.
- Large number of student activities were initiated and coordinated by the students themselves.

- Orientation and training programme was organised for all the students to educate them on the functionalities of online teaching and learning.

Exam Reforms implemented

The institute followed the University norms related to the examination (reforms). The same was circulated to the students, updated on the institute website, and incorporated into the Student Information Booklet. The institute also takes care to educate the students from time to time on the various examination (reforms). The students were also sensitised to the Plagiarism policy of the institute. The faculty also discussed the innovative approaches to assess and evaluate the various aspects of learning of the students, *i.e.*, testing the logical, reasoning, analytical, and memory skills of the students for each course. The idea is to develop and implement a holistic approach for evaluation.

Number of faculty development programmes availed by faculty

- ❖ Dr. Sumita Shroff successfully completed a five-day online workshop on Advanced SPSS Techniques organised by Virtual Centre for Academic Research & Excellence Pvt. Ltd. during August 2-6, 2021.
- ❖ Dr. Sumita Shroff successfully completed a one-week online FDP on Data Analysis using Statistical Tools organised by Jaypee Business School, Jaypee Institute of Information Technology, Noida during September 13-18, 2021.
- ❖ Dr. Sumita Shroff successfully completed a two-week Faculty Development Programme on Advanced Research Methodology organised by the School of Management and Commerce, Brainware University, West Bengal during January 5-15, 2022.
- ❖ Mr Ashutosh Pandey successfully completed the Workshop on Data Analytics, Indian Statistical Institute, Kolkata during the month of July-August 2021.
- ❖ CS Karishma Butani, CS Jhanvi Betai, and Dr. Sumita Shroff successfully completed ICSSR sponsored two-week Capacity Building Programme on Contemporary Issues in Accounting Education and Research organised by the Institute of Commerce, Nirma University from February 28-March 12, 2022.
- ❖ Dr. Hridaya Raj Bharti successfully completed the one-week International FDP on Research Excellence and Academic Development organised by Sri Ramakrishna College of Arts and Science, Coimbatore, Tamil Nadu from September 1-8, 2021.
- ❖ Dr. Hridaya Raj Bharti successfully completed 7-Days National Faculty Development Programme on Research Methodology in Social Sciences organised by Internal Quality Assurance Cell, Dr. G. Shankar Government Women's College, Udupi, Karnataka held from September 22-28, 2021.

Number of faculty development programmes organised by the Institute: 02

Invited/endowment lectures

S. No.	Name of Expert	Designation	Topic and Date
1	Dr. Partha S. Mohapatra	Professor of Accounting, Analytics California State University, USA	Data Analytics in Accounting on May 30, 2021
2	CA Udai Dholakiya	Leadership Coach and Chief Mentor; Founder & Director – PathDarshak Skill Consulting LLP	SWOT Analysis – Know yourself from head to toe on July 27, 2021
3	Dr. CA Nilesh Suchak	Associate Professor – R J Tibrewala College of Commerce and Member of Ad-hoc BOS of ICNU	Business Ethics and Corporate Governance on July 28, 2021

4	Prof. G Soral	President, IAA, Former Professor, Head and Dean MLSU, Udaipur	Budding Professionals: Be Marketable on August 31, 2021
5	Mr. Sudhakar Saraswatula	Member of ICAI and Fellow Member of the ICSI Qualified Secretary of the Institute of Chartered Secretaries and Administrators – the UK	Evolution of Corporate Governance on September 1, 2021
6	Dr. Justice Vineet Kothari	Senior Most Judge of Gujarat High Court, Honorable Acting Chief Justice	Accountability and Transparency for National Development on September 2, 2021
7	CS Devendra Deshpande	Chairman of ICSI Centre for Corporate Governance	Time Management on September 3, 2021
8	Shri Bhagwant Anmol	Renowned Hindi Novelist, Speech Therapist, and Motivational Speaker	Youth Empowerment, Personality Development, and Significance of Hindi on September 14, 2021
9	Prof. Chandra Prakash Gupta	Professor – Department of Financial Studies, Delhi University	Research Advisory Committee Meeting on October 6, 2021
10	Prof. Girdhar Soral	National President – Indian Accounting Association	Research Advisory Committee Meeting on October 6, 2021
11	Dr. Jaimin Rasiklal Vasa	Chairman & Managing Director, Vasa Pharmachem Pvt. Limited	Research Advisory Committee Meeting on October 6, 2021
12	Ms. Vasudha Khandelwal	Head, IIFC Unit at Kotak Mahindra Bank, Gift City	Career Opportunities in International Banking on October 7, 2021
13	Ms. Mahima Paliwal	Director – eArt Foundation	Three Pillars of Growth on October 8, 2021
14	Richa Mehta	Certified Placement Trainer	Placement Training and Resume Building during October 16-19, 2021
15	CA Jigen Shah	FCA, DISA (ICAI), CISA (USA), and Senior Partner of J. C. Shah & Co.	Role of Technology and challenges in Auditing on October 29, 2021
16	Maheshbhai P Mehta	Deputy Director at Gujarat Commissionerate of Higher Education	Youth – The Future of India on December 18, 2021
17	CA Shivam Soni	Practicing Chartered Accountant	Advanced Ms Excel during January 6-11, 2022
18	Dhaval Maheta	Assistant Professor, Department of Business and Industrial Management, Veer Narmad South Gujarat University, Surat	Research Methodology on January 6 and 10, 2022
19	Hitesh Parmar	Assistant Professor at Department of Business Management (MBA), Sardar Patel University, Vallabh Vidyanagar, Gujarat	Research Methodology on January 7, 2022

20	Ms. Shivani Sinha	Representative of Ministry of Culture, Government of India	Creativity in Unity on January 25, 2022
21	CA Naveen Vaswani	Lead Financial Reporting Consultant, Well Fargo Ltd.	Role of Finance Graduates in New Digital Frauds and Scam on February 5, 2022
22	CA Niyati Nawab	Practicing Chartered Accountant	Cases in Business Restructuring – Amalgamation on February 28, 2022
23	Jignashu Yagnik	Professor, L J University Ahmedabad	Types, Tools, and Methods for defining and collecting Accounting data, Sample and Sampling Designs, March 1, 2022
24	CA Niyati Nawab	Practicing Chartered Accountant	Cases in Business Restructuring – Absorption on March 2, 2022
25	Dr. Vinay Goyal	Associate Professor – SP Jain Institute of Management and Research, Mumbai	Financial Statements as per Companies Act, 2013, March 2, 2022
26	CS Yashree Dixit	Practicing Company Secretary and Visiting Faculty	Cases on Negotiable Instruments on March 2, 2022
27	Mr Gaurav Keny	Statistician at SPSS South Asia Private Limited	SPSS Training on March 2, 2022
28	Prof Neerav Nagar	Associate Professor, Indian Institute of Management, Ahmedabad	Correlation, Regression: OLS, Multiple Regression, Stepwise Regression - Use of Dummy Variables, March 3, 2022
29	CMIE – Prashant Joshi	Assistant Vice President, Centre for Monitoring Indian Economy, Ahmedabad	Accounting Database - CMIE, March 3, 2022
30	Shivani Pandey	Product Executive, E-Views	E-Views Training on March 3, 2022
31	CS Yashree Dixit	Practicing Company Secretary and Visiting Faculty	Cases on Sale of Goods Act on March 3, 2022
32	Prof Adrija Majumdar	Shri Jairambhai Patel Institute of Business Management and Computer Applications Ahmedabad	From numbers to narrative, March 4, 2022
33	Mr. Dinkesh Mandewala	Manager - Finance Support, Accord Fintech Pvt. Ltd.	Accounting Database-Ace Equity, March 4, 2022
34	CS Savithri Parekh	Company Secretary and Compliance Officer at Reliance Industries Limited	Education and Gender Equality on March 5, 2022
35	Dr. Dhaval Mehta	Assistant Professor, Veer Narmad South Gujarat University	Time-series Analysis, March 5, 2022
36	Prof. D. V. Ramanna	Professor , XIM, Bhubaneswar	Contemporary Issues in Accounting Research, March 5, 2022

37	Prof. C. P. Gupta	Professor, Department of Financial Studies, Delhi University	Predictive Analytics in Accounting Research on March 7, 2022
38	Mr. Vipul Tyagi	Co-founder and CEO- Orphicy, and Director-IMS Gujarat	Money Management on March 7, 2022
39	Dr. Sachin Mittal	Associate Professor, N. L. Dalmia Institute of Management Studies	Data Visualisation and Presentation on March 8, 2022
40	Dr. Sachin Mittal	Associate Professor, N. L. Dalmia Institute of Management Studies	Cases on Risk Analysis on March 8, 2022
41	Prof. Sanjay Bhayani	Professor, Saurashtra University, Rajkot	Publishing in reputed journals on March 8, 2022
42	Mr. Mukesh Pareek	Co-founder and COO-Orphicy	Marketing Mix on March 8, 2022
43	Prof. G Soral	President, IAA, Former Professor, Head and Dean MLSU, Udaipur	Changing Face of Financial Reporting: Discussion and Analysis, Current Research and Future Directions on March 9, 2022
44	Prof. Kamini Shah	Associate Professor, Sardar Patel University, Anand	Systematic Literature Review, Bibliometric Analysis, and Meta-Analysis on March 9, 2022
45	Mr. Ujjwal Nagar	Co-founder and CMO-Orphicy, Director-IMS Gujarat	Laboratory of Entrepreneurial Mind on March 9, 2022
46	Prof. Parag Rijwani	Associate Professor, Institute of Management, Nirma University, Ahmedabad	Teaching accounting with the help of case studies, March 10, 2022
47	CA Prarthana Bhatt	Practicing Chartered Accountant	Cases on Minimum Alternate Tax with special reference to Corporate Taxation on March 10, 2022
48	Prof. Shurveer S. Bhanawat	Professor and Head, Department of Accounting, Mohanlal Sukhadia University	Discussion on issues in carbon accounting and tax research on March 10, 2022
49	Mr. Abhishek Singh	CMO- IMS Gujarat, IAF Flying officer inductee	Innovation and Creativity on March 10, 2022
50	Mr. Abhishek Singh	CMO- IMS Gujarat, IAF Flying officer inductee	MBA – A Leaders Path on March 10, 2022
51	Prof. Amita S. Kantawala	Designation, The Maharaja Sayajirao University of Baroda, Vadodara	Lease Accounting on March 11, 2022
52	CS Yashree Dixit	Practicing Company Secretary and Visiting Faculty	Role of Merchant Bankers in Mergers and Amalgamations on March 11, 2022
53	Prof. Anil Kumar	Professor, Delhi University	Corporate Citizenship, CSR Performance - Measurement and Techniques Corporate Social Impact, Current Research and Future Directions, March 11 and 12, 2022

54	Prof. Sandip Bhatt	Professor, Sardar Patel University, Anand	Evaluating presentations of CBP Participants on March 12, 2022
55	Dr. Urmish Jhaveri	Director - Uniworld Education	Career Counselling and Opportunities for Higher Studies outside India on March 23, 2022

III. Research, Consultancy and Extension

Sanctioned, Ongoing and Completed Minor Research Projects during the Year

Sr. No.	Title of the Project	Project Investigator/s	Funding Agency	Grant (in Rs.)
1.	Changing Financial Behavior Of Salaried Individual Impact Of Covid 19.	Prof. Nitin Kishore Saxena	Nirma University	50,000/-

Number of Teachers allowed participation in National/International conferences based on the acceptance of research paper

Financial Year	National Conference		International Conference	
	Number of Teachers	Amount Incurred	Number of Teachers	Amount Incurred
2021 – 22	-	-	1	500
2020 – 21	1	-	2	500

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. Pranav Saraswat	2
3	Dr. Avani Shah	1
4	Dr. Sumita Shroff Goyal	2
5	Dr. Nitin Kishore Saxena	2
6	Mr. Ashutosh Pandey	2
7	Dr. Bhupendra Singh Hada	2

Summary of Research Publications in financial year

Financial Year	National Journal			International Journal		
	Number of papers published	Number of papers considered for calculation of average impact factor	Average impact factor	Number of papers published	Number of papers considered for calculation of average impact factor	Average impact factor
2021 – 22	---	2	1.5	01	---	---
2020 – 21	---	---	---	02	1	2.10

Research Publications by Faculty

1) Research details of Dr. Pranav Saraswat

Details of Paper Published:

Chouhan, V., & Saraswat, P. (2021). Business Value Analysis at Yes Bank: A Strategic Lesson. In S. Kautish (Ed.), Using Strategy Analytics to Measure Corporate Performance and Business Value Creation (pp. 221-250). IGI Global. <http://doi:10.4018/978-1-7998-7716-5.ch011> (Scopus)

2) Research details of Dr. Sumita Shroff

Details of Research Project:

Dr. Sumita Shroff Goyal (Principal Investigator) – Minor research project with Title “A study on financial literacy level and investment decisions: an analysis of investors in Gujarat state” sanctioned by Nirma University. Amount Sanctioned - Rs. 99,000; Status – Ongoing.

3) Research details of Dr. Nitin Kishore Saxena

Details of Research Project:

Dr. Nitin Kishore Saxena (Principal Investigator) – Minor research project with Title “Changing Financial Behaviour of Salaried Individual – Impact of COVID – 19” sanctioned by Nirma University. Amount Sanctioned - ₹50,000; Status – Ongoing.

4) Research details of Dr. Hridaya Raj Bharti

Details of Research Publication:

- 1) Banawat, H., Khichi, T. & Bharti, H.R. (2021), "Relationship between Dividend Payout and Market Price of Share (A Case Study of Nestle India and Britannia Industries Ltd.)", Vidhyabharati International Interdisciplinary Research Journal, Part: 3, ISSN No: 2319-4979, Pg No. 260-269, September 2021.
- 2) Bharti, H.R. & Goswami, M. (2021), “Role of MSP Procurement on Benefitting Farmer’s and its functioning in COVID Pandemic Era”, Kala Sarover Journal, Part: 2, Vol.4, ISSN no. 0975-4520, December 2021.

Summary of Revenue Generated:

Financial Year	Training
2021 – 22	222,000 (210,000+12,000)
2020 – 21	-

Extension Activities/Community Service

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 as under:

NSS volunteers along with students of ICNU celebrated the National Unity Day on October 30, 2021 to honour the legacy of Iron Man of India, Sardar Vallabhbhai Patel. On the occasion faculty members and students took the Unity Day oath and pledged to preserve the unity, integrity, and security of the nation. After the oath, a Cleanliness Drive was organised. They showcased posters informing people to refuse, reduce and recycle plastic wastes and if used, to dispose them properly.

NSS Committee and Social Club members visited Hiramani Old Age Home on November 22, 2021. They distributed medicines, had conversations with them, and had snacks together. Students presented dance performances and enjoyed a small garba session together at the end.

The NSS Committee of ICNU organised a two-day financial literacy campaign during March 23–24, 2022. The campaign primarily focused on raising awareness and knowledge about digital payments, the Indian banking system, and its various components among children in grades 6 and 7 and the skilled and non-skilled workers. On the first day of the programme the NSS committee members conducted a two hours workshop at Khodiyar Primary School, Khodiyar, Ahmedabad. A total of about 60 participants participated in the workshop. The NSS volunteers explained the Indian banking system, and the benefits of having a bank account and depositing the savings in a bank account. The participants were explained about the Reserve Bank of India and its functions and the benefits of digital banking and how to transact digitally. The participants were inquisitive and they were happy to learn about digital banking. At the end telefilms on the Indian banking system were displayed. The workshop ended with a round of question-answer and discussion. On the second day of the campaign, the committee members explained to the skilled and non-skilled workers staying around the Nirma University campus about the different types of bank accounts, and the benefits and security features of digital transactions.

IV. Infrastructure and Learning Resources

- Computer facilities added: Four desktops, four laptops, and two All-In-One printers were procured for staff and faculty.
- Civil work in progress/completed in this year: New building is under construction.

V. Student Support and Progression

Cut-off percentage marks – category wise:

General Category	NRI Category
81%	60%

Student Achievements

Achievements of students of Institute of Commerce within Campus			
Name of Event	Name of Student	Institute / University / National Level	Remarks
Genesis 2021 – The Annual BBA Cultural Fest	Vivek Saboo (IC201287) Sahil Kumar (IC201172) Jash Thumar (IC201234)	National Level – Institute of Management, Nirma University on April 8-9, 2021	Team Event Secured First Position in Vyapaar
	Mukul Mahawaniya (IC201157) Samyak Modi (IC201273)		Team Event Secured Second Position in Valorant
Panorama	Vivek Saboo (IC201287)	University Level – Reader's club of Nirma	Individual Event Second Position in “Brand it On”

		University on July 23-25, 2021	
Rang-e-Hindustan	Vivek Saboo - IC201287	University Level, ITNU October 09, 2021	Individual Event First Position
Online Photography Competition on "My City My View"	Dhananjay Bhawsar – IC201121	University Level – Student Welfare Board, Nirma University on February 12-13, 2022	Individual Event Secured Third Position in Online Photography Competition on "My City My View"

Achievements of students of the Institute of Commerce within Institute

Name of Event	Name of Student	Remarks
Photography Competition 2021 – Online theme: "Equality in your Streets"	Aman Kumar Singh (IC201108)	Individual Event Secured First Position
	Yatri Patel (IC201189)	Individual Event Secured Second Position
Photography Competition 2021 – Offline Theme: IC&U	Krishna Khatri – IC201147	Individual Event Secured First Position
	Rushil Thakkar – IC191251	Individual Event Secured Second Position

Talent Hunt 2021

Name of Event	Name of Student	Remarks
Music Event – Solo Singing	IC211229- Haritima Singh	First Position
	IC201231- Harsh Soni	Runner Up
Music Event – Instrumental	IC191133- Mishri Gandhi	First Position
	IC211268- Sarbajit Nanda	Runner Up
Dance Event – Solo Dance	IC201151- Mahek Joshi	First Position
	IC211233- Ishita Malik	Runner Up
Dance Event – Duet Dance	IC201138-Kamya Maheshwari IC201205- Akhil Garg	First Position
	IC211114- Anuska Agrawal	Runner Up
	IC201240- Khushi Gor	First Position
Theatre Event – Solo	IC211118- Daksh Talati	Runner Up
	IC211211 – Ananya Tripathi	First Position
Literary Event – Slam Poetry	IC211267- Samarpit Jain	Runner Up
	IC211112- Anuska Motwani	First Position
Literary Event – Micro-Tale	IC211122- Dhruvi Patalia	Runner Up
	IC211239- Kushi Tilwani	First Position
Literary Event – Book-Review	IC211240- Khushi Mehta	Runner Up
	IC211113- Anuska Sarkar	First Position
Fine-Arts Event – Painting	IC211279- Vedika Pandit	Runner Up
	IC191208- Ayushi Gupta	First Position
Fine-Arts Event – Best out of Waste	IC201260- Parul Prasad	Runner Up
	IC211265- Sachi Arora	First Position
Fashion Event – Rock'N Dhol	IC211132- Janki Agrawal	Runner Up
	IC211102- Aayushi Jain	First Position
Fashion Event – Recreate your Icon	IC191258- Stuthi Jain	Runner Up

Hindi Diwas Competitions 2021

Name of Event	Name of Student	Remarks
Poetry Recital Competition	Anushka Agarwal (IC211114)	First Runner Up
Poster Making Competition	Anushka Agarwal (IC211113)	Winner
	Yunus Ratlamwala (IC21185)	Second Runner Up
Quiz Competition	Jenil Rakholiya (IC201235)	Winner
Hindi Short Stories Competition	Jahanvi Arora (IC21234)	Winner
	Bhagyashree Naulkha (IC211218)	First Runner Up

- Value-added courses:**
1. 'Yoga and Total Health' for Semester-I
 2. 'Foreign language – Elementary (French)' for Semester-II
 3. 'Working with Spreadsheets' for Semester – III
 4. 'Personality Development' for Semester –IV
 5. 'Presentation Skills and Group Discussion' for Semester – V
 6. 'Introduction to SPSS' for Semester –VI

Co-curricular activities organised

S. No.	Name of activity	Date	No. of Participants
1	National Level Case Analysis Competition 2.0	April 27, 2021	260
2	Farewell	May 24, 2021	200
3	Webinar on Data Analytics in Accounting	May 30, 2021	240
4	Commerce Quiz	June 20, 2021	533
5	Orientation Programme	July 27, 2021	200
6	Webinar on Business Ethics and Corporate Governance	July 28, 2021	95
7	World Photography Day Celebration	August 21-23, 2021	29
8	Induction Programme	August 31, 2021- September 9,2021	480
9	Teachers Day Celebrations	September 4, 2021	300
10	Hindi Diwas Celebrations	September 14, 2021	300
11	Hindi Short Stories Writing Competition	September 7-14, 2021	10
12	Poster Making Competition		19
13	Hindi Poetry Recital Competition		12
14	Hindi Diwas Online Quiz Competition	September 14, 2021	193
15	Freshers Party	September 14, 2021	300
16	NSS Activities – Oath Taking Ceremony	September 24, 2021	80
17	Gandhi Jayanti Celebrations	October 2, 2021	13
18	Foundation Day	October 7, 2021	65
19	Talent Hunt	October 7, 2021	430
20	Guest Lecture on Three Pillars of Growth	October 8, 2021	200
21	Virtual Placement Training and Resume Building	October 16–19, 2021	120
22	Webinar on Role of Technology and challenges in Auditing during the Covid times	October 29, 2021	35
23	Cleanliness Drive by NSS Unit	October 30, 2021	18
24	Visit to Hiramani Old Age Home	November 22, 2021	13
25	Degree Distribution Ceremony (Batch 2018-2021)	December 18, 2021	80

26	Alumni Meet	December 18, 2021	80
27	Workshop on Advanced MS Excel	January 6-11, 2021	120
28	Faculty Development Programme	January 6, 7, and 10, 2022	13
29	Azadi ka Amrit Mahotsav – Webinar on “Creativity in Unity”	January 25, 2022	366
30	Guest Session on “Role of Finance Graduates in New Digital Frauds and Scam”	February 5, 2022	146
31	Two Week Capacity Building Programme on “Contemporary Issues in Accounting Education and Research”	February 28, 2022	35
32	Guest session on “Education and Gender Equality”	March 5, 2022	132
33	Guest session on “Money Management”	March 7, 2022	98
34	Guest session on “Marketing Mix”	March 8, 2022	102
35	Guest session on “Laboratory of Entrepreneurial Mind”	March 9, 2022	112
36	Guest session on “Innovation and Creativity”	March 10, 2022	97
37	Guest session on “MBA – A Leaders’ Path”	March 10, 2022	95
38	Guest session on “Career Counselling and Opportunities for Higher Studies outside India”	March 23, 2022	100
39	World Water Day	March 22, 2022	240

Sports activities

- Commerce Cricket League 2.0 a five-day intra-institute cricket league was organised from December 1–5, 2021. A total of five teams namely Giant Super Novas, The Cridators, Green Galaxy, Pitch Smashers, and Vikings Bet participated in the event. The team players were selected through auctions wherein the owners of the teams bid enthusiastically for more than 70 players from the first year, second year, and third-year students of ICNU. At the end of the league matches, Pitch Smashers led by Avaneesh Sengar and The Cridators led by Kavya Jain played the final match. Pitch smashers became champions of CCL 2.0 by defeating The Cridators by 6 wickets. Jyotiraditya Konda from Pitch Smashers was awarded with the Man of the Series Trophy.
- The second season of the intra-institute volleyball league – CVL (Commerce Volleyball League) was organised during March 15-17, 2022. Auctions for the same were held wherein 6 owner teams bid enthusiastically for 50 boys and girls from all three batches of ICNU. The five teams were – Dracarys, Hard Hitters, Net Ninjas, Smashers, Ball Busters, and The Vikings. The qualifiers led to the elimination of Hard Hitters and Net Ninjas. The first semi-final was played between Dracarys and Ball Busters wherein the latter defeated the former. The second semi-final was played between Smashers and The Vikings, which led to the elimination of The Vikings. The Grand Finale was played between Ball Busters and Smashers. The finals trophy, after an intense encounter with support and excitement from the crowd, moved into the hands of – Team Smashers.

Performance in Sports activities

Name of Event	Name of Student	Institute / University / National Level	Remarks
Inter-Institute Lawn Tennis Tournament	Mann Kodwani IC201249	Institute Level 19 March, 2022	Lawn Tennis First Position

Inter-Institute Basketball Tournament	Aditya Dwivedi	IC191201	Institute Level 23-24 March, 2022	Basketball First Position
	Samarth Agrawal	IC191252		
	Sumit Jadeja	IC191159		
	Pratham Khandelwal	IC191242		
	Mohit Ranka	IC191232		
	Dev Patel	IC201219		
	Kabir Chhabra	IC201137		
	Samyak Modi	IC201273		
	Ansh Jain	IC211213		
	Divyansh Jain	IC211224		
	Aditya Sharma	IC211105		
Aadit Ambavi	IC211101			

Incentives for the outstanding sports person: The students are awarded medals and certificates. The students are also provided incentives based on their overall performance in sports.

Alumni Association Activities

Alumni Association organised the following activities during the current academic year:

Alumni Friendly Cricket Match 2021-22: The ICNU Alumni Association organised a Friendly Cricket Match between Alumni and the current students of ICNU on December 5, 2021 at Nirma University Sports Ground. The Alumni team won the match.

Alumni Meet 3.0 of Batch 2018-19: Alumni Meet 3.0 for the graduates of the Institute of Commerce was conducted on December 18, 2021. This was followed by the enlightening speech of the invited Chief Guest – Mr. Maheshbhai P. Mehta. Later, the selections for the new office bearers of the Alumni Association were conducted. The newly elected Alumni Association consists of:

Monik Patel	President
Harsh Gupta	Vice-President
Saumya Dalwani	Secretary
Ashish Korat	Member
Dhurvil Savalia	Member

Consultation with Alumni on New 4-year BCom (Hons.) Programme Curriculum

Alumni feedback offers important perspectives for evaluating academic programmes and student services. Keeping this objective in mind, the Alumni Committee of ICNU conducted the virtual meeting on January 20, 2022 to discuss the New 4-Year BCom (Hons.) Programme Curriculum with the alumni.

Alumni Achievement

- 1) Vanshika Varlani (Batch of 2017-20) cleared UGC-NET in December 2021.
- 2) Harsh Gupta (Batch of 2017-20) became the recipient of Institute of Management Accountants (IMA), USA flagship Certified Management Accountant (CMA) Scholarship Programme.
- 3) Dwit Bhavsar (Batch of 2017-20) was awarded the Rising Star of the Quarter at S&P Global during September 2021.
- 4) Vaidanshi Nema (Batch of 2017-20) was awarded the Rising Star of the Quarter at S&P Global during September 2021.

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 a shift from a regional medium of study to an 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. Further, the institute conducted the following sessions to guide the students on the career opportunities and gender equality:

- Guest Session on “Career Opportunities in International Banking” was organised on October 7, 2021 with Vasudha Khandelwal – Head IIFC Banking Unit, Kotak Mahindra Bank – GIFT City as guest speaker.
- Expert Session on “MBA – A Leaders’ Path” was conducted by Mr. Abhishek Singh - CMO- IMS Gujarat, IAF Flying officer inductee.
- Guest Session on “Career Counselling and Opportunities for Higher Studies outside India” was conducted by Prof. Urmish Jhaveri, Uniworld Education, on March 23, 2022.
- Guest session on “Education and Gender Equality” by CS Savithri Parekh – Company Secretary and Compliance Officer at Reliance Industries Limited.

Placement services to students

The Institute of Commerce has an active Placement Cell from 2018-19. Despite the challenges of COVID 19, the placement team achieved the target of 100% placements for the academic year 2020-21 and all the interested students got placed in the reputed firms. This year Nielsen, Awwficacy, Federal bank, Bank of America, Orphicy, etc. visited the campus for the recruitment. A total of 32 students have expressed their interest in the placement. However, 14 students quit the process and opted out for further studies. The remaining 18 students were placed in the companies with an average package of ₹3.20 lakhs this year. The details of students placed successfully in renowned companies like Bank of America, Orphicy, Awwficacy, Nelison, is as follows:

Roll No.	Name of students placed	Name of the employer	Designation	Location	Package received (in lakhs)
IC191206	Arth Patel	NielsenIQ	Data Processing Specialist	Vadodara	3
IC191124	Khushi Choudhari	NielsenIQ	Data Processing Specialist	Vadodara	3
IC191207	Avaneesh Singh Sengar	NielsenIQ	Data Processing Specialist	Vadodara	3
IC191208	Ayushi Gupta	NielsenIQ	Data Processing Specialist	Vadodara	3
IC191112	Dev Kala	NielsenIQ	Data Processing Specialist	Vadodara	3

IC191214	Gouri Tyagi	NielsenIQ	Data Processing Specialist	Vadodara	3
IC191130	Malhar Shah	NielsenIQ	Data Processing Specialist	Vadodara	3
IC191229	Mansi Kataria	NielsenIQ	Data Processing Specialist	Vadodara	3
IC191131	Manvi Agrawal	NielsenIQ	Data Processing Specialist	Vadodara	3
IC191132	Meet Sanjivkumar Doshi	NielsenIQ	Data Processing Specialist	Vadodara	3
IC191254	Shrestha Panchal	NielsenIQ	Data Processing Specialist	Vadodara	3
IC191157	Soumya Rungta	NielsenIQ	Data Processing Specialist	Vadodara	3
IC191159	Sumit singh Jadeja	NielsenIQ	Data Processing Specialist	Vadodara	3
IC191201	Aditya Dwivedi	Awfficity	Investment Analyst	Ahmedabad	3
IC191102	Aastha Patidar	Awfficity	Investment Analyst	Ahmedabad	3
IC191254	Shrestha Panchal	Bank of America	Team Member-Band 8	GIFT City, Gandhinagar	3
IC191223	Kartik Vijayvargiya	Bank of America	Team Member-Band 8	GIFT City, Gandhinagar	3
IC191251	Rushil Thakkar	Orphicy	Sales Executive	Ahmedabad	6.7

Institute of Design

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Outstanding Achievements and important activities

1. Graduation of the 1st batch from the Institute of Design

In December 2021, the Institute held the Graduation ceremony of the first batch of the institute. 60 students - 25 in Industrial design and 35 in Communication Design graduated. The gold medallists are Sagar Bhat in Communication Design, and Danisha Mehta in Industrial Design.

2. Commencement of UG Research Cell

The UG research cell was constituted with 4 student coordinators under the guidance of Dr. Suchitra Balasubrahmanyam. Proposed activities for the upcoming academic session include activities for establishing a culture of research at IDNU, enhancing students' research capabilities, commencing collaborative research. Two areas identified are strategising how to utilise the canteen's food waste and its management. The 2nd area is dealing with menstrual sanitary pad disposal systems.

Dignitaries visited

On 7th March 2022, Padmashri Reema Nanavaty, Secretary, Self Employed Women's Association (SEWA), Ahmedabad, Shri Manguben of SEWA Rural, and Shri Gauriben, a Solar engine mechanic talked of their work, their challenges, achievements and goals, to commemorate International Women's Day 2022.

Curricula Aspects

During the Academic year 2021-22, the faculty team developed a new Curriculum for the 4-year BDesign programme. This was developed as per the NEP 2020 guidelines and UN Sustainable Development Goals. Assessment of student competencies, feedback from graduates, trends in market/industry requirements, helped in the formulation of the new curriculum. The document was developed over several deliberations and presented to the Board of Studies and Faculty of Design. It will be implemented for the batch commencing from 2023.

Teaching-Learning and Evaluation

With the first batch out in the market as professional designers, feedback was sought on the design of curriculum. The feedback from graduates was that the all-encompassing learning in the specialisation programme of CD and ID without further micro specialisation, was relevant for their work in Industry. The focused (micro) specialisation in the programme offered through the Elective pathway has been useful to the students to build their competency and portfolio.

Research, Consultancy and Extension

i. The Institute has commenced taking real life/professional projects in the classroom. This Academic Year, the institute introduced two live briefs in the Identity Design II course- of creating Branding through Visual Identity systems. The Branding requirements of two social enterprises were taken up, namely AINA (Artisans in Architecture) and SWATI (Society for Women's Action & Training Initiative). The students of Semester IV, Communication Design programme, offered professional solutions to the organisations.

ii. The Institute has signed an MoU with 2 organisations; WIN Foundation, India (Winners India Network) and Arid Communities & Technologies, Kutch (ACT) in November 2021. The WIN Foundation is a funding organisation committed to serving towards Sustainable development goals and Women & Child development. Arid Communities & Technologies has expertise in Conserving and increasing ground water resources. The MoU is for 3 years.

Infrastructure and Learning Resources

The Institute has added workshops and equipment for students to facilitate skill development, modeling for building ‘proof of concepts’ and prototyping working devices.

There is addition of labs and computer facilities for the Communication Design programme with the setting up of the Wacom Animation Lab and the construction of the Media Centre.

Student Support and Progression

- i. Students who lost their parents during the pandemic are being supported by the Nirma Education Foundation.
- ii. Students whose parents are facing economic challenges post-pandemic, are being given grace time to pay fees as per their convenience.

I. Curricular Aspects

1. IoT in Product Design: In
this course, offered to Product Design students, there was inclusion of theoretical and application-oriented learning about sensors and actuators, before launching into opportunity mapping of potential design areas and conceptual work. The Institute is sensitising students to take up areas related to rural agricultural economy, Edtech, children’s play and learning aids etc.

Any other Initiative/Innovation in curricular design

- The IDNU faculty team has taken the initiative to draft two-year Masters programmes in Design (MDes) in two specialisations, a five-year Integrated Masters programme (BDes + MDes) and a PhD programme with the plan to offer these programmes in the near future. This is for future academic expansion of offerings from the Institute.
- The IDNU faculty team has commenced a review of the Foundation year (Semester 1&2) with a view to aligning the BDes Programme with the guidelines of NEP 2020.

II. Teaching-Learning and Evaluation

Faculty completed/pursuing PhD

Prof. Kanupriya Taneja submitted her PhD on September 5, 2021

Priyam Parikh and Amishi Vadgama are pursuing their PhD at Nirma University and National Institute of Design, respectively.

Prof. Ananya Singh is pursuing her PhD at Manipal University, Jaipur.

Prof. Saroj Kumar Das is pursuing his PhD from Chitkara University in Punjab.

Prof. Pradeep Sahu is pursuing his PhD from National Institute of Technology, Jalandhar, Punjab.

Prof. Omkar Rane is pursuing PhD from World University of Design, Sonapat, Haryana.

Prof. Shree Kant is pursuing his PhD from Banaras Hindu University.

Innovation in Teaching - learning & evaluation

Bringing real-life projects in classroom

In the identity design course II, this semester the students of communication design worked with live projects from two NGOs - AINA and SWATI. During the course, students did research, articulated

design briefs and made two rounds of client presentations. The work has been well appreciated by the clients and one of the identity design proposals for SWATI has been shortlisted by the client.

Design & Prototyping based on real life opportunities in problem solving

The Internet of Things is a key element of Industry 4.0. IoT in Product Design course is divided into three parts, 1) Learning Arduino, sensors, Actuators and wireless protocols 2) User research and 3) Ideating and Prototyping. The course duration was 5 weeks. Finally, the course ended up with 11 working prototypes.

Co-creation through engagement with potential users

The course “Technically complex devices” offered to product design students, allows for engaging deeply with a user segment, to identify key requirements that inform the final design, through opportunity identification, concept development and prototyping to test outcomes. Students were actively engaged with potential users throughout the 5 weeks, identifying opportunities and using a co-creation model to solve and create outcomes. Students demonstrated the complete process of industrial design development and generated a detailed document that chronicles all decisions and challenges faced.

A group of students made a cargo E-vehicle from a ‘scrap’ two-wheeler. Another group worked on an electric tri-cycle for campus mobility. A group of three students made a health kiosk for measuring Blood pressure, BMI and Blood oxygen level. Few students designed a smart toy house for children (age 5 to 11) to enhance their motor skills. Two groups made a temperature-controlled food container box for food delivery persons. Students deployed smart IoT based gadgets along with sensors and efficient actuators.

Activities to sustain healthy practices

Students have been briefed about the importance of original work and the ethics of refraining from plagiarism in all visual, 3-D and written work.

III. Research, Consultancy and Extension

Research Projects

Sanctioned, Ongoing and Completed Minor Research Projects during the Year

Sr. No.	Title of the Project	Project Investigator/s	Funding Agency	Grant (in Rs.)
1.	Research on the study of understanding the “tacit knowledge “of the maker (skilled artisans) and how the former informs Design Pedagogy in material-related courses in Industrial Design Discipline today	Prof. Amishi Adgama & Prof. Sangita Shroff	Nirma University	50,000/-
Total Grant				50,000/-

Number of Teachers allowed to participation in National /International Conference based on the acceptance of Research Paper: 3

Financial Year	National Conference		International Conference	
	Number of Teachers	Amount incurred	Number of Teachers	Amount incurred
2021-22	0	0	3	18,000/-
2020-21	0	0	1	17,500/-

Awards and Recognitions

Suchitra Balasubrahmanyam (Visiting Professor-Contractual) is awarded the Visiting Research Fellowship at Center for Design History, University of Brighton (December 2021)

Citation index of faculty member and impact factor

Prof. Priyam Anilkumar Parikh: Citations: 113, H Index: 7 and i10: 6

Prof. Pradeep Sahu: Citations: 53, H Index: 2 and i10: 1

Ongoing Research Collaboration/New collaboration

Priyam Parikh: Co-PI GUJCOST sponsored project on feeding robotic arm

Research Publications

Prof. Priyam Parikh:

December 2021: Second International Conference on Advances in Computational Science and Engineering

Proceedings: IoP Journal of Physics: Conference Series

1. A Mechatronics Approach for designing an Obstacle Avoider Robot using Ziegler Nichols Control Techniques for P, PI and PID controllers
2. Actuation of Electro-Pneumatic Systems using IoT: An Integrated Mechatronics Approach

Prof. Saroj Kumar Das:

December 2021: Chitkara University Doctoral Consortium-2021

Published: IoP Science: ECS Transactions

Understanding Metalanguage in the study of Aesthetics

DOI: <https://doi.org/10.1149/10701.7389ecst>

Proceeding: IoP Science: ECS Transactions

1. Jyoti Bhatt's Diaries: Conscious/Subconscious depiction of Journey

Prof. Kanupriya Taneja:

Kanupriya Taneja: Bridging the gap between graphic design education and profession in India published in IDA: International Art and Design Journal in December 2021, ISSN: 2687-5373

Summary of Research Publications

Financial Year	National Journals			International Journals		
	Number of papers published	Number of papers considered for calculation of average impact factor	Average impact factor	Number of papers published	Number of papers considered for calculation of average impact factor	Average impact factor
2021-22	0	0	0	2	0	0
2020-21	0	0	0	2	0	0

Research Publications by Faculty

International Journals:

Kanupriya Taneja: Bridging the gap between graphic design education and profession in India published in IDA: International Art and Design Journal in December 2021, ISSN: 2687-5373

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

Suchitra Balasubrahmanyam: "The India-Pakistan border as site for the production of national identity: Heritage by design" in Design and heritage: the construction of identity and belonging, Grace Lees-Maffei and Rebecca Houze (eds), Abingdon, Oxon; New York, New York: Routledge, December 2021. ISBN 9780367560263

Extension Activities/Community services by Institute

A total of 26 students of the Institute of Design participated in the NSS 7-day special camp. NSS special camp started on 6th March 2022. The camp started off with the students leaving for Bhuj. They were met by partner Institution, Arid Communities & Technologies's scientist-hydrologist Dr. Yogesh Jadeja. The students were introduced to the Geographical location of the villages along with the issues faced by the rural farmers and the villagers. The group travelled to Bidada, the adopted village. Three locations were experienced; beginning with Nana Bhadiya where they got to experience the underground water problems faced by the villagers and then on to Faradi and Mota Bhadiya later in the day where they saw the agricultural lands and kitchen gardens and also met with a group of self-reliant widows. The group got exposed to how the women were co-dependent on each other for survival. The group worked on different educational and awareness possibilities that they could work on, creating awareness on the importance of water harvesting systems, maintaining water quality, smart farming techniques, water distribution management as per the requirement of a particular crop and the importance of organic farming.

The students worked on illustrative books, presentations for the village 'bhoo jal jaankar'-water activists, educational posters, and 3D animations. The village consultant also arranged for the group to visit the primary, middle and secondary schools to interact with the students. An exchange of knowledge was taking place as the group was teaching the students what they have learnt and the students of the schools taught the group about their culture. Overall, it was a completely new experience for the university students. Speaking with the people in the village, gathering primary and secondary data, compiling resources, and producing professional-level work that is to be published piqued the students' interest in pushing their capabilities in a short period of time. They also understood rural contexts and life of people.

IV. Infrastructure and Learning Resources

Computer facilities

- Purchased 35 licenses of Adobe Creative Cloud software
- Equipment purchased for media center as follows:
 1. SHURE headphones (Qty 2)
 2. ATEM television studio pro HD (Qty 1)
 3. AHUJA mike stand BMS (Qty 1)
 4. Kamron lens cleaning kit (Qty 2)
 5. Liliput LCD video camera monitor (Qty 2)
 6. MILIBOO Tripod stand (Qty 2)
 7. Zoom Recorder (Qty 1)
 8. Rode video mic go (Qty 2)
 9. MOVO photo wireless mike (Qty 2)
 10. SENNEISER headphone (Qty 2)
 11. Wire (Qty 4)
 12. Godrej cabinet (Qty 1)
 13. Datavideo tablet teleprompter (Qty 1)

Library - learning resources

Details about total and additional books/periodicals etc. Purchased in the library

Number of books for Technical Subjects during the year 2020-21		Number of books for science & humanities during the year 2020-21		No. of periodicals / journals including e-journals during the year 2020-21		Other material which includes software / CDs / Cassettes other audio-visual materials					
No. of Titles & Volumes Added During the Year		Cumulative Total No. of Titles & Volumes as on 31/03/2022		No. of Titles & Volumes Added During the Year		Cumulative Total No. of Titles & Volumes as on 31/03/2022		Added during the year 2021-22	Cumulative Total as on 31/03/22	Added during the year 2021-22	Cumulative Total as on 31/03/22
Title	Volumes	Title	Volumes	Title	Volumes	Title	Volumes				
78	78	1078	1102	10	10	207	209	(+0 Print) (-3 Print & -3 Online)	0 Print + 0 Online	CD- 0	CD - 8

Civil work in progress/completed in this year

The University has given the Institute of Design, its very own building. The 'PG' Block's 3 floors house the Institute of design's studios, labs and classrooms now.

V. Student Support and Progression

Student Achievements

- Ms. Palak Paun's (final year Communication Design student) Degree project film 'Sparsh' has received the first runner up position in the Pune Design Festival's Battle of Projects, Film and Animation category.
- Ms. Palavi Jain (Second year Industrial Design Student) won the 3rd prize in the International poster competition, Student category, organised by Gandhi Research Foundation. She also won the 1st

prize: Poster competition by Nirma university and NSS on the occasion of 'World Environment Day'.

Co-curricular activities organised

followed by a group discussion and the event was attended by students and faculty from IDNU and other Institutes.

Teacher's Day Celebration held online on 6th September 2021

The students of 2021 batch and 2020 batch put together interesting performances which were fusion dances, singing melodious songs and also some caricatures of all the faculty members of the institute were made. All 12 faculty members of the Institute along with the non-teaching staff members and the students of all batches attended the event.

Cultural Day Celebration

The season of Navratri in Gujarat is one of the most awaited and celebrated festival, but this year because of the covid norms, no proper celebration could be organised, so the committee members at IDNU decided to have a post Navratri celebration at the institute in the form of a Cultural day on 21st October, 2021.

Youth welfare and cultural activities

A total of 26 students of the Institute of Design participated in the NSS 7-day special camp from 7th to 12th March 2022. The students travelled to Bidada village near Bhuj and visited Nana Bhadiya (where they got to experience the underground water problems); Faradi and Mota Bhadiya (where they saw kitchen gardens and also met with a group of self-reliant widowed ladies). The students contributed through designing illustrative books, presentations for the villagers, educational posters, 3D animation and other projects on local challenges. Students learnt how to communicate with the people in the village, gathering primary and secondary data, compiling resources, and producing professional-level work that will be published.

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, and 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) established by Nirma University in the year 2012 is an effort in that direction. The objective is to satisfy the needs of all the stakeholders in terms of skill, life and societal development. CCE 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?

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 is 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. 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 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 the 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 universities. NAAC documents are also emphasising on the existence and importance of CCE at university.

Major objectives of CCE

- 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 request.

- To identify employment potential areas and to conduct competency based skill development programme/s.
- 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 computer literacy to the underprivileged, and nearby villagers.
- 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 **seventeen (17) programmes** were organised by CCE during April 2021 to March 2022. Comparative data analysis has been given for the period of 2019 to 2022.

All the programmes were organised and conducted successfully fulfilling the expected outcomes. The participants feedback reports received are very encouraging and appreciating considering the content and programmes organised. All the coordinators were also satisfied with the kind of support and cooperation received from CCE in conduction of the programmes.

Summary of Programmes carried out during April 1, 2021 – March 31, 2022

Sr.No.	Name of Institute	No. of Programme(s) Planned (a)	No. of Programme Conducted		
			As Per Planning (b)	Other than Planned (c)	Total (d) = (b) + (c)
1	School of Engineering, Institute of Technology (SoE, ITNU)	8	4	2	6
2	School of Technology, Institute of Technology (SoT, ITNU)	3	0	1	1
3	Institute of Management (IMNU)	5	0	0	0
4	Institute of Pharmacy (IPNU)	5	5	0	5
5	Institute of Science (ISNU)	0	0	0	0
6	Institute of Law (ILNU)	1	1	0	1
7	Institute of Architecture and Planning (IAPNU)	4	0	0	0
8	Centre for Continuing Education (CCE)	2	2	2	4
Total		28	12	05	17

Programmes Conducted Successfully

Programmes carried out by School of Engineering, ITNU during April 1, 2021 – March 31, 2022

Sr. No.	Name of the Programme	Date	No. of Particepant			Income (₹)	Expenditure (₹)
			Int.	Ext.	Total		
1	BTech in Manufacturing Technology for the employee of Tata Motors, Sanand Plant	July 07, 2019 to December 31, 2022	0	31	31	1860000	446876
2	Training programme on Programming in C	August 14, 2021 to September 11, 2021	67	2	69	17450	14876
3	Distribution System Analysis	September 18-19, 2021	32	4	36	4000	3975
4	Building Information Modelling (BIM) with Revit	January 04-05, 2022	36	0	36	9300	9298
5	Role of Optimization Techniques in Power Systems	February 19, 2022	9	0	9	1950	1131
6	IOT and Automation using NodeMCU	March 26-27, 2022	9	1	10	25500	25024

Programmes carried out by School of Technology, ITNU during April 1, 2021 – March 31, 2022

Sr. No.	Name of the Programme	Date	No. of Particepant			Income (₹)	Expenditure (₹)
			Int.	Ext.	Total		
1	Speech Processing using Python	January 29-30, 2022	6	0	6	3000	2932

Programmes carried out by IPNU during April 1, 2021 – March 31, 2022

Sr. No.	Name of the Programme	Date	Number of Particepant			Income (₹)	Expenditure (₹)
			Int.	Ext.	Total		
1	Workshop on Sophisticated Instruments	January 04, 2022	2	31	33	14850	12647
2	One Day Seminar on Nano Drug Delivery	January 29, 2022	65	67	132	13200	10002
3	Workshop on Computer Aided Drug Design Software	March 10, 2022	28	0	28	8400	8330
4	Webinar on Popularization of alternative and complimentary medicines in healthcare interventions	March 11, 2022	50	8	58	9300	8095
5	Basic Cell Culture Techniques	March 19, 2022	15	0	15	12000	9570

Programmes carried out by ILNU during April 1, 2021 – March 31, 2022

Sr. No.	Name of the Programme	Date	No. of Particepant			Income (₹)	Expenditure (₹)
			Int.	Ext.	Total		
1	Certificate Course on Law of the Sea and Maritime Law	November 18, 2021 to April 18, 2022	19	28	47	84500	1500

Programmes carried out by CCE, NU during April 1, 2021 – March 31, 2022

Sr. No.	Name of the Programme	Date	No. of Particepant			Income (₹)	Expenditure (₹)
			Int.	Ext.	Total		
1	Hands on Training of MATLAB	April 3, 2021	87	0	87	0	0
2	Hands on Training of LATEX	April 17, 2021	60	0	60	0	0
3	CAT 2022	September 28, 2021 to October 31, 2022	5	0	5	175000	127497
4	GATE 2023	October 30, 2021 to February, 2023	7	0	7	245000	178499

Comparative data analysis from 2020-21 and 2021-22

1. Number of Programmes Organised under CCE and conducted by various institutes of NU during Year 2020-21 and 2021-22

Sr. No.	Name of Institute	2020-21	2021-22
1	School of Engineering, Institute of Technology (SoE, ITNU)	3	6
2	School of Technology, Institute of Technology (SoT, ITNU)	0	1
3	Institute of Pharmacy	0	5
4	Institute of Law	0	1
5	Centre for Continuing Education	1	4
6	Institute of Architecture & Planning	2	0
Total		6	17

2. Total number of participants in various programmes organised under CCE and conducted by various institutes of NU during Year 2020-21 and 2021-22

Sr. No.	Name of Institute	2020-21			2021-22		
		Int	Ext	Total	Int	Ext	Total
1	School of Engineering, Institute of Technology (SoE, ITNU)	30	154	184	153	38	191
2	School of Technology, Institute of Technology (SoT, ITNU)	0	0	0	6	0	6
3	Institute of Pharmacy	0	0	0	160	106	266
4	Institute of Law	0	0	0	19	27	46
5	Centre for Continuing Education	44	0	44	159	0	159
6	Institute of Architecture & Planning	22	1	23	0	0	0
Total		96	155	251	497	172	669

3. Total income of various programmes organised under CCE and conducted by various institutes of NU during Year 2020-21 and 2021-22

Sr. No.	Name of Institute	2020-21	2021-22
1	School of Engineering, Institute of Technology (SoE, ITNU)	2956699	1918200
2	School of Technology, Institute of Technology (SoT, ITNU)	0	3000
3	Institute of Pharmacy	0	57750
4	Institute of Law	0	84500
5	Centre for Continuing Education	0	420000
6	Institute of Architecture & Planning	11500	0
Total		2968199	2483450

4. Total expenditure of various programmes organised under CCE and conducted by various institutes of NU during Year 2020-21 and 2021-22

Sr. No.	Name of Institute	2020-21	2021-22
1	School of Engineering, Institute of Technology (SoE, ITNU)	707591	500954
2	School of Technology, Institute of Technology (SoT, ITNU)	0	2932
3	Institute of Pharmacy	0	48644
4	Institute of Law	0	1500
5	Centre for Continuing Education	198000	305996
6	Institute of Architecture & Planning	11482	0
Total		917073	860026

5. Overall performance of CCE during Year 2020-21 and 2021-22

	2020-21	2021-22
Income, (₹.)	2968199	2483450
Expenditure, (₹.)	917073	860026
Net Balance, (₹.)	2051126	1623424
No. of Programmes Organised	6	17
No. of Participants attended	251	669



NIRMA
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