

15th Annual Report 2017-2018





VISION

Shaping a better future for mankind by developing effective and socially responsible individuals and organizations

MISSION

Nirma University emphasizes the all-round development of its students. It aims at producing not only good professionals, but also good and worthy citizens of a great country, aiding in its overall progress and development

It endeavours to treat every student as an individual, to recognize their potential and to ensure that they receive the best preparation and training for achieving their career ambitions and life goals

QUALITY STATEMENT

To develop high quality professionals who reflect and demonstrate values that the University stands for, through innovation and continuous improvement in facilitation of learning, research and extension activities

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Executive Summary

April 1, 2017 to March 31, 2018

Preamble

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

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

The executive summary contains at a glance major accomplishments of the university and its constituent institutes during the financial year 2017-18.

Institute of Technology

Rankings

Leading National Survey based on parameters like resources, research, teaching-learning, placements and stakeholder perception evaluated and ranked the Institute. A few prominent are highlighted as under:

- Listed under A category in State-wise Ranking of Private Engineering Institutes and Colleges for Gujarat state by Digital Learning. (April 2017)
- Institute of Technology has received 79th rank at all India level by NIRF (National Institutional Ranking Framework), MHRD (Ministry of Human Resource Development, Government of India), 2017 ranking.
- Ranked 37th amongst India's Top 100 Engineering Institutes Table League and 2nd amongst Private Engineering Institutes – in Gujarat State (State Ranking) by Education World India Private Engineering Institutes Ranking 2017. (May 2017)
- The Institute Ranked 26th in Top 100 Engineering Colleges across the country by Outlook Magazine 2017. (June 2017)

Faculty Awards

- Dr Madhuri Bhavsar received ISTE best engineering college teacher award for the year 2017.
- Dr Gaurang Raval received Best SPOC Award by Infosys Ltd.
- Prof P N Kapil received "Dronacharya Award" during the BAJA SAE India 2018 Competition organized by SAE (Society for Automotive Engineers) at NATRIP, NATRAX Facility, Pithampur (Nr. Indore), Madhya Pradesh, India for best faculty mentor to the student team in the e-BAJA.
- Prof A N Patel received the “Best Educationist Award” by International Institute of Education and Management, New Delhi.

- Dr Dhaval Pujara received HEF Award in Association with JJT University for Academic Excellence from Higher Education Forum, Mumbai.

Students' Awards

- The **Nirma Robocon Team** won the Abu National Robocon Contest 2018 hosted by Doordarshan and MIT Academy of Engg, Pune. The Nirma Team received National Winner Award, Prof. Balakrishna Memorial Award, Fastest Job Completion Award, Cash prize of Rs 100000/- and a Gold Medal. The Nirma Team will now represent India at the International Robocon 2018 to be held in Vietnam in August.
- **Team Stallions** participated in the prestigious SAE BAJA Competition and won first position for Endurance Test in m-baja and received Rs 1.00 lac cash prize. Team Stallions also won the overall third position for m-BAJA and won Rs 75,000 cash prize amongst 150 national teams.
- **Mitsubishi Cup-MECUP-3** a National level Automation Competition for students was organised by Mitsubishi Electric India Pvt Ltd at the Institute of Technology, Nirma University. 130 teams participated from different states of India. Team "CON-SL-E 2.0" of Instrumentation & Control Engineering Department of Institute of Technology, Nirma University secured 2nd place and won the Silver Cup along with Rs 75,000/- cash prize.
- Kinjal Rathod won Google India Challenge Scholarship for Android Developer Track on 7th February, 2018.
- Vatsal Dave and Shobhit Sharma won 3rd Prize with a cash prize of Rs. 15,000/- in Poster Presentation at Student Outreach Programme during CHEMTECH World Expo 2018 in Gujarat.
- Karan Shah, Stuti Garg and Vivek Talwar stood first at Tata Crucible Hackathon, the Haystack Mathematician Challenge (a part of open innovations challenges of the Tata group) on March 16, 2018.
- Harsh Agarwal and Abhishek Dubey received 1st Prize in Innovative Project Competition during Vibrant Gujarat Summit 2017 held by Government of Gujarat in September 2017.
- Abhishek Jain secured first rank in National Level Table Tennis Tournament – Shaurya '17 held at IIM, Ahmedabad during October 8-10, 2017.

Major Events Organised

International Conference – NUiCONE 2017

The Nirma University International Conference on Engineering 'NUiCONE 2017', was organized during November 23-25, 2017 and the main theme of the conference was 'Technology Drivers- the growth engine', and was also focused on green technology and innovations to sensitize the researchers, industry professionals and students towards environment issues.

There were total nineteen themes to cater to the diversified needs of the academia and industry. Around 290 research papers were received from various disciplines and 90 papers were accepted for oral presentation after stringent quality checks.

Total participation, including invited industry delegates, research organizations, post graduate students and faculty members was 589. **Exhibition on Green Technology and Innovations** was one of the attraction of the conference.

Accreditation

The Institute of Management has been awarded accreditation in recognition of Quality and Quality Assurance through continuous improvement by South Asian Quality Assurance System (SAQS) for a period of five years from 14th December 2017 to 14th December 2022.

Rankings

- Institute of Management has received 31st rank at all India level by NIRF (National Institutional Ranking Framework), MHRD (Ministry of Human Resource Development, Government of India), 2017 ranking.
- Ranked 9th Best Private B-School by CSRGHRDC, B-School Survey and published in Competition Success Review, November, 2017.

Faculty Awards

- Dr Indu Rao received award from Gems and Jewelry Export Promotion Council (GJEPC), Ministry of Commerce and Industry for her contribution to Indian Diamond Industry.
- Dr Indu Rao was honoured with “Visionary Pioneer towards Entrepreneurship” by Global forum on Women’s Entrepreneurship Day (WED) Celebrations, USA in Nov 2017.
- Dr Ashwini Awasthi received the “Best Professor in Marketing” award at 25th Business School Affaire in October 2017.
- Prof Sameer Pingle was conferred a certificate of distinction for excellence in teaching by HoF University of Applied Science, Germany during International Teaching Week.

Major Events Organised

- The 7th Annual Quality Conference on “Transformation through Quality Management” was jointly organized by ASQ LMC Ahmedabad and Institute of Management, Nirma University on November 18-19, 2017.
- The 21st Nirma International Conference on Management (NICOM) was organized by Institute of Management during January 11th to 13th, 2018. Its central theme was “*Societal and Organizational Transformation through Strategic and Technological Interventions*”. The Conference had total registrations of 100 delegates. In total 75 papers were presented by the participants in 24 track sessions organised over the period of three days. In addition to the inauguration and valedictory sessions, four plenary sessions had also been arranged during which, the prominent personalities from the industry addressed the audience on various topics.

Rankings

- Institute of Pharmacy has received 16th rank at all India level by NIRF (National Institutional Ranking Framework), MHRD (Ministry of Human Resource Development, Government of India), 2017 ranking.

Faculty Awards

- Dr Jignasa Savjani received the ACS (American Chemical Society) travel grant worth Rs. 2.5 lacs to attend Pittcon 2018 conference held at Orlando, United States of America, during 26th February to 1st March 2018.
- Dr Jigna Shah and Dr Bhoomika M Patel has been appointed as CPCSEA Nominee by Ministry of Environment, Forest, Climate Change (Animal welfare division) in February 2018.

Students' Awards

- Pruthak Joshi won the first prize in District Level Gujarat Quiz Competition held on September 29, 2017.

Institute of Science

Awards

- Implementation of “Fund for Improvement of Science and Technology (FIST) infrastructure in universities and higher educational institutions” grant awarded by Department of Science and Technology (DST), Government of India.

Faculty Awards

- Dr Vijay Kothari was invited to review applications for Gandhian Young Technological Innovation (GYTI) Awards-2018, instituted by BIRAC-SRISTI. Dr Kothari was also inducted as a member of Society of Ethnopharmacology.
- Dr Sarat Kumar Dalai received the Best Professor in Science award by “Dewang Mehta National Education Awards” on October 4, 2017.

Major Events Organised

- The 44th Annual Conference of the Indian Immunology society (Immunocon-17) was held during Dec 14-16, 2017 at Nirma University, Ahmedabad. The meeting was partnered by Institute of Advanced Research, Gandhinagar and B V Patel Pharmaceutical Education and Research Development Centre, Ahmedabad.

Institute of Law

Awards

- Institute of Law was selected as IP Campus of the Year (Legal) for its outstanding contribution in the field of Intellectual Property at the IP-Hall of Fame Honours, held on July 14, 2017 at Hyatt Regency, Ahmedabad.
- The Institute received the ‘Best Law Education Institute’ under Goodwill Brands Awards in the category of best legal education in the country in a Symposium - Thought of Leadership Champions Change hosted by Herald Global. The event was organized by ERTC Media on July 19, 2017 in Mumbai.

Rankings

- Institute of Law has been ranked as the 6th Best Law College among the Private Law Colleges in India by The Week, June 2017.
- The Outlook Magazine has ranked IL-NU as the 11th Best Law College among Government and Private Law Colleges in India, June 2017.

Faculty Awards

- Dr Madhuri Parikh received the Achiever's Award in the category instituted by CEE working for excellence in education in collaboration with ECONs Education, April 22, 2017.
- Dr Rohit Moonka was selected for the prestigious The City of Hague Scholarship to attend the 2017 Session on Private International Law conducted by The Hague Academy of International Law (a constituent body of International Court of Justice), Peace Palace, The Hague, The Netherlands from July 31 - August 18, 2017. This scholarship worth 2200 Euro is granted based on academic rigour and research contributions.

Students' Awards

- Rajvardhan Singh Raghuvanshi stood semi-finalist in the event of Badminton in Aswamegh Ramotsav 2017 organized by Kreedha Bharti on 27th August 2017.
- Vedansh Sharma was awarded Best Delegate Award at BESC Assembly of Nations, a Model United Nations conference held in Kolkata from 8th September to 10th September 2017.
- Vishal Marakana won silver medal in 1500 meters race held at NLIU Bhopal.
- The team of Shantanu Gupta, Mohit Agarwal, Manav Patel and Vishal Marakana bagged silver medal in 4*100 mtr race at NLIU Bhopal held from 12-15 October, 2017.
- Farnaz Homiyar Vakil won bronze medal at 27th All India G V Mavlankar Shooting Championship (Shotgun) held in Patiala from 21 – 26 September, 2017.

Institute of Architecture & Planning

Faculty Awards

- Prof Utpal Sharma has become the Regional Housing Expert for UN Habitat, Myanmar (White Paper on National Housing Policy for Myanmar).

Major Events Organised

- The Institute hosted the International workshop called “flying classroom” (LC: SP + IN: CH VI) of International Summer school 2017 involving the following schools: HTWG Constance; Escola da Cidade in Sao Paulo; CCA - Chandigarh College of Architecture; CMR University, Bangalore; Pearl Academy, Jaipur and JAAGA, DNA. The workshop was conducted from July 30, 2017 to August 26, 2017.
- Bonjour India - Under the Future Tour, the Knowledge Summit (Smart Cities: Urban Planning, Architecture and Design) the first high level Indo- French Summit on Higher Education and Research conference was held at Institute of Architecture and Planning on 24th and 25th February, 2018. Several round tables and discussions were held to make recommendations and lay the roadmap for Indo-French collaboration. It was followed up in New Delhi with a symposium organized by the Ministry of Human Resource, Government of India and French Embassy in New Delhi.

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 scholarships, the code of Ethics for Research was framed vide notification dated May 11, 2015.

The prominent research highlights for the year 2017-18 are as under:

Major and Minor Research Projects Sanctioned

(Amount in Lacs)

Type of Research Projects	Projects Sanctioned during the year				Total ongoing Research Projects as on 31.03.2018	
	2016-17		2017-18			
	Number	Amount	Number	Amount	Number	Amount
Major (External)	13	267.95	12	230.15	33	803.17
Major (Internal)	01	28.92	-	-	2	55.92
Minor (External)	4	27.00	2	5.05	07	25.94
Minor (Internal)	20	16.15	14	12.34	16	13.94
Grand Total (Major & Minor)	38	340.02	28	247.54	57	898.97

Research Publications

Year	International Journal
	Total Number of Papers Published
2016-17	192
2017-18	168

Patents

02 patents were filed in the year 2017-18 by the Institute of Technology, Nirma University; whereas 03 patents have been published by the Institute of Technology.

Books Published

The faculty members of the constituent institutes of the university published 18 books during the year 2017-18.

PhD

During the year, 24 students have registered for the PhD Programmes. 37 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, 2018 is 319 which excludes 37 students awarded degree and 23 students whose admissions were cancelled. 23 new faculty members/scientists were newly recognized as PhD guides during the financial year, which brings the number of recognized guides to 177 (as on March 31, 2018). It includes internal and external guides.

Central Office

Central Office

Preamble

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

The Nirma University has got its Central Office and constituent Institutes, viz. the Institute of Technology, Institute of Management, Institute of Pharmacy, Institute of Science, Institute of Law, Institute of Architecture & Planning, Institute of Commerce and Department of Design. During the year 2017-18, 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, 2017 to March 31, 2018.**

Meeting of 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 15 - 18]

This year the University conducted meetings of the different authorities of the University and also that of the other bodies, like faculties, boards, committees and councils. The details of the Meetings held are given in Appendix – B [page 19]. The details of important decisions taken by the Board of Governors and Academic Council are given below:

Board of Governors

- a) Approval of Scheme for Promotion of Sports Activities for the students having inherent talent in the field of sports. (Resolution No. 3(B) dated 18.04.2017)
- b) Revision in nomenclature of various specializations of M.Pharm. programme as new nomenclature prescribed by Pharmacy Council of India (PCI) and amendments in relevant regulations. (Resolution No. 4(B)(vi) dated 18.04.2017)
- c) Approval of Core Values Framework of Nirma University. (Resolution No. 4(C).
- d) Approval of Policy for inter-disciplinary Minor Specializations to be offered for the students of BBA-MBA (Five Year Integrated Programme). (Resolution No. 4(D)(i) dated 18.04.2017)
- e) Approval of academic regulation for Bachelor of Design (B.Des.) programme. (Resolution No. 4(D)(ii) dated 18.04.2017)
- f) Award of degrees to 515 candidates of various U.G, P.G and Ph.D. programmes. (Resolution No. 4(F) dated 18.04.2017)
- g) Approval of Annual Statement of Accounts including Income & Expenditure Statement and Balance Sheet of Nirma University and its Institutes for the Financial Year 2016-17. (Resolution No. 4 dated 28.09.2017)
- h) Approval of Minimum Qualification for appointment of Professor in Department of Design. (Resolution No. 5(A) dated 28.09.2017)
- i) Restructuring of Academic Development & Research Cell (ADR) along with change in nomenclature as Centre for Quality Assurance and Academic Development (CQAAD) under Nirma University. (Resolution No. 5(B)(iv) dated 28.09.2017)
- j) Award of degrees to 1641 candidates of various U.G, P.G and Ph.D. programmes. (Resolution No. 5(C) dated 28.09.2017)
- k) Revision of Pay Structure of regular non-teaching employees and interim relief for Teaching & Equivalent employees due to implementation of recommendations of 7th Pay Commission. (Resolution No. 6(d) dated 28.09.2017)

In addition to above, various Regulations were amended as under:

- Amendment in academic regulations of BBA-MBA (Five Year Integrated Programme) regarding credits of elective courses for Major and Minor specialization. (Resolution No. 4(B)(i) dated 18.04.2017)
- Amendment in various academic regulations of Bachelor of Commerce (Hons.) programme. (Resolution No. 4(B)(ii) dated 18.04.2017)
- Amendment in Ph.D. regulations- R.Ph.D-1.7(a), R.DPM(Ext)-2.5 with regard to Cancellation of admission. (Resolution Nos. 4(B)(iii) and 4(B)(iv) dated 18.04.2017, and 5(B)(i) and 5(B)(ii) dated 28.09.2017)
- Revision in the academic regulation- R.BARC.2 (Annx.-I)-Eligibility Criteria, at par with the similar criteria prescribed in the rules for admission to B.Arch. programme by Govt. of Gujarat. (Resolution No. 4(B)(iv) dated 18.04.2017)
- Amendment in academic regulations of UG programmes in Engineering and Pharmacy. (Resolution No. 5(B)(iii) dated 28.09.2017)

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

Academic Council

- Introduction of Teaching & Examination Scheme and Syllabus of Semester-II of M.Pharm. programme in accordance with new curriculum as prescribed by the Pharmacy Council of India. (Resolution No. 4(i) dated 27.09.2017)
- Introduction of Rules for Related Study Programme (RSP) for the students of B.Arch. programme. (Resolution No. 7(B) dated 27.09.2017)
- Considering examinations of other university/institution as equivalent to the corresponding examinations of Nirma University. (Resolution No. 15 dated 27.09.2017)

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 endorse by the Academic Council.

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

During the year, **3** faculties have been given recognition as Post Graduate Teachers (PGT) and **2** faculties have been given recognition as Assistant Post Graduate Teachers (APGT) in the different areas as per the details given below. The total number of faculties recognized as P.G.T as on 31.03.2017 is **171** as under:

Branch	No. of faculties given recognition during the year 2016-17	No. of faculties given recognition during the year 2017-18	No. of faculties retired/resigned in 2017-18	Total No. of recognized PGT available as on	
				31.03.17	31.03.18
1. Institute of Technology					
a. Chemical Engineering	-	-	3	13	10
b. Civil Engineering.	-	-	-	8	8
c. Computer Eng.-Info. Tech.	-	-	1	25	24
d. Electrical Engineering	6	2	4	26	24
e. Electronics & Com. Eng.	-	-	-	22	22
f. Mechanical Engineering	-	3*	1	32	34
g. Maths & Humanities	-	-	-	8	8
h. Instru. & Control Eng	1	-	2	12	10
2. Institute of Pharmacy	-	-	-	23	23
3. Institute of Law	-	-	1	9	8
Total	7	5	12	178	171 **

Table No. 1

* Two faculty members in ME were given recognition as APGT,

** This figure includes 32 Assistant Post Graduate Teachers

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

Post Graduate Registration:

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

Faculty	Programme		No. of students registered during the year				Total existing students strength as on			
			16-17	2017-18			31.3.17	31.3.18		
			Total	Boys	Girls	Total	Total	Boys	Girls	Total
Technology & Engineering	i)	Ph.D. (Full time)	07	-	02	02	13	05	06	11
	ii)	Ph.D. (Part-time)	13	09	01	10	112	86	22	108
	iii)	M. Tech	329	139	70	209*	694	341	175	516
	iv)	MCA	60	39	19	58	194	134	62	196
	v)	MCA Lateral (3 rd Sem.)	15	15	6	21				
Management	i)	D.P.M. (Full-time) #	05	01	05	06	24	04	21	25
	ii)	D.P.M. (Part-time) #	03	01	-	01	33	22	04	26
	iii)	MBA	264	178	77	255	500	355	163	518
	iv)	MBA (FB&E)	56	45	17	62	111	74	36	110
Pharmacy	i)	Ph.D. (Full time)	09	-	-	-	40	18	18	36
	ii)	Ph.D. (Part-time)	06	-	01	01	63	35	15	50
	iii)	M. Pharm	58	18	41	59	98	37	77	114
Science	i)	Ph.D. (Full time)	04	01	01	02	25	06	18	24
	ii)	Ph.D. (Part-time)	04	-	01	01	34	11	16	27
	iii)	M. Sc.	90	17	73	90	174	33	149	182
Law	i)	Ph.D. (Part-time)	01	01	-	01	07	03	05	08
	ii)	LL.M.	19	11	10	21^	19	11	10	21
Architecture & Planning	i)	Ph.D. (Part-time)	04	-	-	-	04	02	02	04
Total			947	475	324	799	2145	1177	799	1976

Table No. 2

Doctoral Programme in Management

* Includes 1 student of M. Tech. (by Research) programme and 1 student admitted under CIWGC Category

^ Includes 1 student admitted under CIWGC Category

Enrolment:

The details about the students enrolled for different Under Graduates & Executive Diploma programmes and the total strength is as under:

Faculty	Programme		No. of students enrolled During the year in				Cumulative Existing Students as on			
			2016-17	2017-18			31.3.2017	31.3.2018		
			Total	Boys	Girls	Total	Total	Boys	Girls	Total
Technology & Engineering	i)	B. Tech	898	775	119	894 ^a	3739	3278	560	3838
	ii)	Diploma to Degree	170	138	24	162				
Management	i)	Executive Diploma	53	44	4	48	53	44	04	48
	ii)	BBA-MBA	127	65	61	126 ^b	363	213	229	442
Pharmacy	i)	B. Pharm	104	48	60	108 ^c	387	199	209	408
Law	i)	B.A., LLB.	120	69	52	121	593	325	259	584
	ii)	B.Com., LL.B.	61	22	38	60 ^d	302	154	144	298
	iii)	BBA. LL.B.	@				108@	22	32	54@
Architecture & Planning	i)	B.Arch.	80	31	49	80	195	108	164	272
	ii)	B.Plan	47	19	27	46 ^e	47	39	54	93
Commerce	i)	B.Com (Hons)	64	28	33	61 ^f	64	57	63	120
Dept. of Design	i)	B. Design	-	13	54	67	-	13	54	67
Total:			1724	1252	521	1773	5851*	4452	1772	6224

Table No. 3

* Diploma Engineering Students are not included

The total strength of students (UG & PG taken together) on the campus in the year 2017-18 is 8200

@ Decided not to admit any students from the year 2014-15, however the existing students are from previous batches

^a Includes 41 students admitted on supernumerary seats in CIWGC-SEA+PIO+FN and 25 students admitted under Tuition Fee Waiver Scheme and 1 student under J&K Category.

^b Includes 3 students admitted on supernumerary seats in CIWGC

^c Includes 8 students admitted on supernumerary seats in CIWGC+PIO category, 2 students admitted under Tuition Fee Waiver Scheme and 1 student under J&K Category.

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

^e Includes 2 students admitted under Tuition Fee Waiver Scheme

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

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

Out of the total students admitted as above, admissions under supernumerary categories (i.e. Children of Indian Working in Gulf Countries – South East Asia (CIWGC-SEA), Persons of Indian Origin (PIO), Foreign Nationals (FN) is as under:

Programme	No. of students admitted in supernumerary categories during the year 2016-17 & 2017-18						Total Existing Students in supernumerary categories as on 31.03.2017 & 31.03.2018					
	CIWGC-SEA		PIO		FN		CIWGC-SEA		PIO		FN	
	16-17	17-18	16-17	17-18	16-17	17-18	31.3.17	31.3.18	31.3.17	31.3.18	31.3.17	31.3.18
B. Tech	37	32	10	8	-	1	117	118	30	33	-	1
B. Pharm	1	3	1	5	-	-	2	5	11	15	1	1
B.A., LL.B.	1	-	1	-	-	-	1	-	-	1	-	-
B.Com.LLB	-	1	-	-	-	-	-	1	-	-	-	-
BBA-MBA	6	3	-	-	-	-	11	14	-	-	-	-
B.Com. (Hons)	3	2	-	1	-	-	3	5	-	1	-	-
MBA	6	5	-	-	-	-	11	9	-	-	-	-
M. Tech	-	1	-	-	-	-	-	1	-	-	-	-
LL.M.	-	1	-	-	-	-	-	1	-	-	-	-
Total	54	48	12	14	-	1	145	154	41	50	1	2

Table No. 4

Category-wise students:

The break-up of category wise number of students admitted and total existing strength in the year 2016-17 & 2017-18 are as under (including UG/ PG):

Institute	Category wise number of Students admitted during the year 2016-17							Category wise number of Students admitted during the year 2017-18						
	Open	SC	ST	SEBC	PH	J&K Migrant	Total	Open	SC	ST	SEBC	PH	J&K Migrant	Total
IT-NU	1159	53	37	239	02	02	1492	1054	54	29	216	2	1	1356
IM-NU	508	-	-	-	-	-	508	498	-	-	-	-	-	498
IP-NU	154	09	-	14	-	-	177	135	7	2	23	-	1	168
IS-NU	82	05	1	10	-	-	98	81	5	0	7	-	-	93
IL-NU	199	-	-	02	-	-	201	201	0	0	2	-	-	203
IAP-NU	120	02	-	09	-	-	131	99	4	1	21	1	-	126
ICNU	58	-	-	06	-	-	64	61	-	-	-	-	-	61
D.O.D.	-	-	-	-	-	-	-	65	0	0	2	-	-	67
Total:	2280	69	38	280	02	02	2671	2194	70	32	271	3	2	2572

Table No. 5

Institute	Category wise Cumulative Existing Students as on 31.03.2017*							Category wise Cumulative Existing Students as on 31.03.2018						
	Open	SC	ST	SEBC	PH	J&K Migrant	Total	Open	SC	ST	SEBC	PH	J&K Migrant	Total
IT-NU	3952	125	101	562	09	03	4752	3870	140	97	557	2	3	4669
IM-NU	1084	-	-	-	-	-	1084	1169	-	-	-	-	-	1169
IP-NU	516	17	02	50	02	01	588	527	22	2	56	1	-	608
IS-NU	209	05	01	18	-	-	233	209	8	1	15	-	-	233
IL-NU	1016	-	-	13	-	-	1029	954	-	-	11	-	-	965
IAP-NU	216	07	-	23	-	-	246	318	10	1	39	1	-	369
IC-NU	64	-	-	-	-	-	64	120	-	-	-	-	-	120
D.O.D.	-	-	-	-	-	-	-	65	-	-	2	-	-	67
Total:	7057	154	104	666	11	04	7996	7232	180	101	680	4	3	8200

Table No. 6

* Diploma Engineering Students are not included

Eligibility Certificate and Migration Certificate:

Faculty wise eligibility certificates and Migration Certificates were issued to the students as per the details given below:

Sr. No.	Faculty	Programme		No. of Eligibility Issued		No. of Migration Issued	
				2016-17	2017-18	2016-17	2017-18
1.	Technology & Engineering	i)	Ph.D.	09	8	115	146
		ii)	M. Tech	371	206		
		iii)	MCA	75	58		
		iv)	B. Tech.	461	331		
		v)	Diploma to Degree	167	161		
2.	Management	i)	Ph.D.	05	7	17	32
		ii)	M.B.A. (Full Time)	262	253		
		iii)	M.B.A. (FB&E)	58	62		
		iv)	BBA-MBA	104	108		
		v)	Executive Diploma Programme	53	48		
3.	Pharmacy	i)	Ph. D.	12	-	16	9
		ii)	M. Pharm	50	34		
		iii)	B. Pharm	14	19		
		iv)	B. Pharm (D to D)	01	-		
4.	Science	i)	Ph.D.	02	3	13	11
		ii)	M. Sc.	102	90		
5.	Law	i)	Ph. D.	-	1	219	186
		ii)	LL.M.	12	18		
		iii)	B.A. LLB. (Hons.)	157	117		
		iv)	B.Com. LLB. (Hons.)	83	50		
6.	Architecture & Planning	i)	Ph.D.	-	-	3	2
		ii)	B.Arch.	46	38		
		iii)	B.Plan.	16	8		
7.	Commerce	i)	B.Com (Hons)	59	47	-	3
8.	Dept. of Design	i)	B.Des.	-	38	-	-
Total:				2119	1705	383	389

Table No. 7

Research

Ph.D. Programmes

During the year 2017-18, **23** additional faculty members/scientists have been given recognition for guiding research from the faculties working under the University as well as from the recognized Institutions. The details are given in Appendix – C [page 20]. The cumulative existing number of available recognized Ph.D. Guides as on 31.03.2018 is **177**. Faculty wise details are as under

Faculty	Ph. D. Guides Recognized during the year		Total Available Recognized Ph. D Guides as on			
	2016-17	2017-18	31.03.2017	31.03.2018*		
			Total	Internal	External	Total
Technology & Engg	06	13	46	48	09	57
Management	02	04	18	19	01	20
Pharmacy	01	04	22	21	05	26
Science	-	-	73	12	58	70
Law	-	02	02	03	-	03
Architecture	-	-	01	01	-	01
Total	09	23	162	104	74	177*

Table No. 8

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

During the year, **24** additional students have been registered for the Ph. D Programmes. 37 students have been awarded the Ph. D. Degree. The details are given in Appendix-D [page 21-25]. The cumulative total number of students registered for Ph. D on 31.03.2018 is **319**. This figure does not include the 37 students who are awarded degree and **23** students whose admissions are cancelled due to non-compliance of Academic Requirement / Voluntary withdrawal.

Research Projects

Research Projects Sanctioned

(Amount in Lacs)

Type of Research Projects	Projects Sanctioned during the year				Total ongoing Research Projects as on 31.03.2018	
	2016-17		2017-18		Number	Amount
	Number	Amount	Number	Amount		
Major (External)	13	267.95	12	230.15	33	803.17
Major (Internal)	01	28.92	-	-	2	55.92
Minor (External)	4	27.00	2	5.05	07	25.94
Minor (Internal)	20	16.15	14	12.34	16	13.94
Grand Total (Major & Minor)	38	340.02	28	247.54	57	898.97

Table No. 9

Funding agency wise details of Research Projects during the Financial Year 2016-17 & 2017-18

(Amount in Lacs)

Type of Research Projects	Funding Agency	2016-17		2017-18	
		Number	Amount	Number	Amount
Major (External)	ISRO	5	69.65	7	126.73
	DST	3	78.43	1	10.59
	DBT	1	9.35	-	-
	ICMR	1	18.61	-	-
	AYUSH	1	42.12	-	-
	DAE	2	49.79	3	55.11
	DRDO	-	-	1	37.72
	Total	13	267.95	12	230.15
Major (Internal) :Nirma University		1	28.92	-	-
Total (Major)		14	296.87	12	230.15
Minor (External)	GUJCOST	1	1.00	-	-
	ISRO	3	26.00	-	-
	GEC	-	-	1	1.05
	ICSSR	-	-	1	4.00
	Total	4	27.00	2	5.05
Minor (Internal): Nirma University		20	16.15	14	12.34
Grand Total		38	340.02	28	247.54

Table No. 10

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

Revenue Generated	2016-17	2017-18
	Consultancy / Testing / Training	Consultancy / Testing / Training
Total	178.81	146.14

Table No. 11

Research Publications:

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
2017-18	27	4	0.49	168	96	2.38
2016-17	41	2	0.04	192	114	2.31

Table No. 12

Personnel and Administration

During the year 2017-18, total 8 advertisements were published for filling up teaching and non-teaching posts. Out of the applications received, 68 appointments have been made for teaching posts out of which 03 internal candidates were appointed in higher pay band, and 40 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:

Institutes	Assistant Professor								
	Appointed during		Left during		Total strength in the given AGP as on given date				
	16-17	17-18	16-17	17-18	AGP (8000) 31.03.18	AGP (7000) 31.03.18	AGP (6000) 31.03.18	Total existing as on	
								31.03.17	31.03.18
IT-NU	37	26	37	26	18	52	87	158	157
IM-NU	07	12	03	3	04	01	26	23	31
IP-NU	-	-	-	-	05	08	04	17	17
IS-NU	-	02	-	03	01	04	01	07	06
IL-NU	10	10	10	15	01	02	21	29	24
IAP-NU	04	03	01	-	01	-	13	11	14
IC-NU	02	01	-	01	-	-	02	02	02
DoD	-	03	-	-	-	-	03	-	03
Total	60	57	51	48	30	67	157	247	254

Table No. 13

Institutes	Associate Professor						HoI / Professor					
	Appointed during		Left during		Total existing as on		Appointed during		Left during		Total existing as on	
	16-17	17-18	16-17	17-18	31.3.17	31.3.18	16-17	17-18	16-17	17-18	31.3.17	31.3.18
IT-NU	06	02	01	02	33	32	01	01	-	-	27	28
IM-NU	03	03	-	-	09	12	02	01	04	01	07	07
IP-NU	-	-	01	-	03	03	-	-	01	-	04	04
IS-NU	-	-	-	-	01	-	-	-	-	-	01	02
IL-NU	-	-	-	01	03	02	-	-	-	-	01	01
IAP-NU	-	01	-	-	02	03	-	-	-	-	01	01
IC-NU	-	-	-	-	-	-	-	01	-	-	-	01
NU (DoD)	-	01	-	-	-	01	01	01	-	01	01	01
Total	09	07	02	03	51	53	04	04	05	02	42	45

Table No. 14

Institutes	Total Teaching Faculty Members						Non-Teaching Staff					
	Appointed during		Left during		Total existing as on		Appointed during		Left during		Total existing as on	
	16-17	17-18	16-17	17-18	31.3.17	31.3.18	16-17	17-18	16-17	17-18	31.3.17	31.3.18
IT-NU	44	29	38	28	218	217	04	06	05	06	108	108
IM-NU	12	16	07	04	39	50	07	08	07	06	54	55
IP-NU	-	-	02	-	24	24	02	02	04	02	20	21
IS-NU	-	02	-	03	09	08	-	-	-	-	06	06
IL-NU	10	10	10	16	33	27	01	06	03	05	12	14
IAP-NU	04	04	01	-	14	18	-	02	-	-	07	10
IC-NU	02	02	-	01	02	03	01	-	-	01	01	01
NU (DoD)	01	05	-	01	01	05	03	16	06	07	35	41
Total	73	68	58	53	340	352	18	40	25	27	243	256

Table No. 15

The total staff available as on 31.3.2018 in the University is **608*** [Teaching = **352** + non-teaching = **256**]

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

Adjunct Professors /Visiting Faculty members

Institute	Visiting Faculty		Adjunct Professors/Faculty	
	2016-17	2017-18	2016-17	2017-18
Institute of Technology	35	16	-	-
Institute of Management	16	10	04	03
Institute of Pharmacy	16	18	-	-
Institute of Science	04	04	-	-
Institute of Law	22	22	02	02
Institute of Architecture	18	40	01	-
Institute of Commerce	04	08	-	-
Department of Design	-	04	-	-
Total:	115	122	07	05

Table No. 16

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

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 31.03.18		
	17-18	Total till 31.03.18	17-18	Total till 31.03.18	17-18	Total till 31.03.18	17-18	Total till 31.03.18		17-18	Total till 31.03.18
IT-NU	04	63	-	10	-	08	-	02	83	09	162
IM-NU	-	-	-	-	-	-	-	01	01	02	33
IP-NU	02	08	-	01	-	01	-	-	10	-	22
IS-NU	-	03	-	-	-	-	01	01	04	-	06
IL-NU	01	01	01	01	-	-	-	-	02	01	06
Central Office	-									02	57
Total	07	75	01	12	-	09	01	04	100	14	286

Table No. 17

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

Faculty Members Deputed / Permitted for Higher Studies

Institutes	Deputed / Permitted in the year		Already Deputed / Permitted since pervious years (i.e. upto 31.03.17)		Cumulative as on 31.03.2018	
	2016-17	2017-18	Master	Ph. D	Master	Ph. D
IT-NU	13	10	77	121	77	131
IM-NU	-	-	-	06	-	06
IP-NU	-	-	-	11	-	11
IAP-NU	4	-	-	04	-	04
Total	17	10	77	142	77	152*

Table No. 18

* 13 Faculty members left without completing their Ph. D

Faculty members Completed / Pursuing Higher Studies

Institute	Completed higher studies				Faculty members pursuing higher studies as on 31.03.18
	2016-17	2017-18	Cumulative as on 31.03.2018		
	Ph. D	Ph. D	Master	Ph. D	Ph. D.
IT-NU	11	04	77	54	65
IM-NU	-	-	-	05	00
IP-NU	01	-	-	08	03
IAP-NU	-	-	-	-	04
Total	12	04	77	67	72

Table No. 19

Examination Section

Semester End Examinations were conducted during the year for **1286** courses of Under-graduate, Post-graduate Programmes (Excluding Institute of Management)

Award of Scholarship/Assistance

Since the inception of the University, scholarships are being given from the different funds besides book bank facility. Accordingly, in the year 2016 -17 & 2017-18 the scholarships / financial assistance are given as per the details underneath:

Sr. No.	Type of Financial Assistance	No. of Students benefitted		Amount of financial Assistance in Lacs	
		2016-17	2017-18	2016-17	2017-18
1	Based on Merit	286	298	217.36	236.45
2	Merit cum means	313	266	210.52	198.45
3	Stipend to PG Students	340	306	203.18	172.20
4	Fellowships to Doctoral Students	29	33	56.23	62.61
5	Students needy fund	7	10	1.67	5.00
6	100% subsidy on Interest on Education Loan	13	10	2.71	2.42
7	50% subsidy on Interest on Education Loan	06	03	0.51	0.46
Total		994	926	692.18	677.59

Table No. 20

In addition to the above, **420** students have availed the benefit of book bank facility in the year 2017-18.

Infrastructure Development

During the Financial Year 2017-18, expenditure for development of infrastructure facility has been made as per the following details:

(₹ in Lacs)

Description	Institute wise expenditure during the year 2017-18								Total	
	IT-NU	IM-NU	IP-NU	IS-NU	IL-NU	IA-NU	NU	Com	2016-17	2017-18
Equipment	135.66	6.20	8.79	3.78	1.88	4.29	242.97	0.00	254.65	403.56
Computers	114.47	0.25	1.17	0.03	0.58	12.37	6.52	0.00	212.27	135.39
Books	8.10	15.00	2.57	1.37	7.72	16.69	9.48	0.34	48.69	61.26
Vehicles	7.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16.75	7.34
Furniture & Fixtures (including WIP)	10.46	8.19	0.91	0.00	1.52	74.37	676.43	0.00	95.07	771.90
Building	21.73	0.00	0.00	0.00	0.00	27.95	5095.68	0.00	9529.68	5145.36
Building (WIP)	0.00	0.00	0.00	0.00	0.00	0.00	481.44	0.00	1073.11	481.44
Total	297.77	29.64	13.44	5.18	11.70	135.66	6512.51	0.34	11230.23	7006.25

Table No. 21

The total amount spent in the Financial Year 2017-18 for above infrastructure comes to ₹ 7006.25 lacs

Staff Welfare Activities

Reimbursement of Expenditure to the Employees of the University for the year 2017-18 are as under:

(₹ in Lacs)

Expenditure Head	Institute wise expenditure during the year 2017-18									Total	
	IT-NU	IM-NU	IP-NU	IS-NU	IL-NU	CCE	IAP-NU	NU	Com	2016-17	2017-18
Expenses towards Tuition Fee for the Employees' Dependent Children	17.97	5.15	3.02	1.01	1.49	0.14	0.83	2.16	0.15	32.52	31.92
Expenses towards Hospitalization	4.42	1.53	0.74	0.05	0.54	0.00	1.40	0.29	0.00	10.49	8.97
Expenses towards Medical Allowances (Rs. 300/- Per month to all regular Employees as a part of salary)	11.60	3.46	1.47	0.53	1.45	0.05	0.88	2.49	0.09	20.25	22.02
Expenses towards Purchase of Books/ Magazine/ Subscription of Journals / Membership etc.	4.83	1.03	1.05	0.23	0.69	0.00	0.26	0.00	0.00	8.49	8.09
Expenses towards LTC/ HTC	4.89	0.80	0.00	0.00	0.45	0.00	0.26	2.79	0.00	23.98	9.19
Expenses towards Recreation Activities	1.67	0.24	0.44	0.05	0.31	0.00	0.27	0.74	0.02	2.70	3.74
Total	45.38	12.21	6.72	1.87	4.93	0.19	3.90	8.47	0.26	98.43	83.93

Table No. 22

Libraries

Nirma University has seven Institutes and each Institute has its own Library. The details of books journals etc. in the libraries during the year 2016-17 & 2017-18 are given below:

Books:

Details books added during the year 2017-18 and total as on 31.03.2018 in Technical and Science, Humanities subject

Name of the Institute	Number of Books for Technical subjects during the year 2017-18				Number of Books for Science & Humanities during the year 2017-18			
	Number of Titles & Volumes added during the year		Cumulative Total No. of Titles & Volumes as on 31.3.18		Number of Titles & Volumes added during the year		Cumulative Total No. of Titles & volumes as on 31.3.18	
	Title	Volumes	Title	Volumes	Title	Volumes	Title	Volumes
IT-NU	445	845	29613	47304	219	244	9219	10827
IM-NU	538	539	20019	21736	436	436	11790	12297
IP-NU	98	105	3186	5209	19	19	2386	3740
IS-NU	9	13	1121	1252	43	43	975	1152
IL-NU	273	333	7416	9369	146	149	2028	2425
IAP-NU	789	972	2054	2461	77	80	153	161
IC-NU	162	162	162	162	0	0	0	0
DoD	446	449	480	483	17	17	17	17
Total	2760	3418	64051	87976	957	988	26568	30619

Table No. 23

Institutes	Total (Taken all types of Book)							
	Total Titles & Volumes added during the year				Cumulative Total No. of Titles & Volumes as on			
	Titles		Volumes		Titles		Volumes	
	2016-17	2017-18	2016-17	2017-18	31.3.17	31.3.18	31.3.17	31.3.18
IT-NU	717	664	1303	1089	38168	38832	57042	58131
IM-NU	1088	974	1089	975	30835	31809	33058	34033
IP-NU	90	117	117	124	5455	5572	8825	8949
IS-NU	85	52	88	56	2044	2096	2348	2404
IL-NU	563	419	634	482	9025	9444	11312	11794
IAP-NU	612	866	674	1052	1341	2207	1570	2622
IC-NU	0	162	0	162	0	162	0	162
NU (Design)	34	463	34	466	34	497	34	500
Grand Total	3189	3717	3939	4406	86902	90619	114189	118595

Table No. 24

Journals:

Institutes	Number of Periodicals / Journals during the year 2017-18		Material which includes CD's / Cassettes other Audio-visual Materials	
	Added during the year 2017-18	Cumulative total as on 31.3.18	Added during the year 2017-18	Cumulative Total as on 31.3.18
IT-NU	0	214 print + 749 Online	-	325
IM-NU	0	231 print + 12598 online	16	1186
IP-NU	7 online	39 Print + 113 Online	-	47
IS-NU	0	6 Print + 9 Online	0	1
IL-NU	2 print	81 Print + 2364 Online	37	446
IAP-NU	2 Print	24 Print + 370 Online	-	72
IC-NU	5 Print	5 Print	0	0
DoD	9 Print	9 Print	0	8
Total	18 Print + 7 Online	609 Print + 16203 Online	53	1915

Table No. 25

Centre for Quality Assurance and Academic Development (CQAAD) & Directorate of Research and Innovation (DRI)**New Activities / Initiatives:**

- Drafted and Coordinated the process of submission of proposal to the MHRD, Govt of India for granting the status of 'Institutions of Eminence -Deemed to be University' to Nirma University.
- Prepared the guidelines for the Academic Audit by the external experts (Level 4 – Audit by External Experts / Agency).
- Framed guidelines for constituting Department and Institute level Research Committees
- Prepared a checklist for Research Proposals to be submitted to external agencies.
- Prepared a general framework guidelines to improve the quality of all in-house journals
- Prepared a document to measure the impact of Faculty Induction Training Programme
- Prepared a base document for establishment of Research Park at Nirma University

- Coordinated the identification the external experts for the academic audit and executed the academic audits for Institutes of Technology (03 groups), Management, Pharmacy, Science and Law.
- Initiated the process of Digital Repository of Research Data
- Initiated the ICT based Doctoral Programme Information Management System for accessing the details related to the Ph.D. students
- Initiated preparing a Bank of Thrust Areas of Research
- Constituted Advisory Committee of Directorate of Research & Innovation and conducted two meetings.
- Carried out ‘Student Satisfaction Survey’ for all the constituent institutes of Nirma University.
- Conducted Faculty Survey on usage of the ICT in Teaching – Learning and Research
- Scrutinized the documents of the constituent institutes of Nirma University submitted to various ranking agencies / magazines
- Prepared the Annual Research Report of the University for the year 2016-17
- Compiled the Annual Quality Assurance Report to be sent to the NAAC
- Hosted the meeting of the senior officials of Nirma University (NU) and the Institute for Plasma Research to strengthen collaborative research activities
- Submitted a proposal to the DST for organizing INSPIRE Internship Science Camp at Nirma University
- Submitted a proposal to the GUJCOST for Establishing the Electronics Design Lab at Nirma University

Action on Initiatives Taken in Previous Years:

- Implemented scheme of Faculty and Staff awards for the third consecutive year
- Coordinated the University funded Major and Minor Research Projects
- Coordinated the documents to be submitted for NIRF rankings for all the constituent institutes

Faculty Development Programmes

Sr. No.	Name of the Programme	Dates	Number of Participants
1.	Faculty Induction Programme	May 29, 2017- June 24, 2017	45
2.	Research Orientation Programme	June 05- 17, 2017	20

Table No. 25

Short Term Training Programmes / Refresher Programmes / Faculty Development Programs, etc.

Department	Title of Course	Dates	Name of Programme Coordinator/s
Civil Engineering, Inst. of Technology	Construction Practices on Wheels	05/06/2017 to 17/06/2017	Dr. Sharad Purohit
Electrical Engineering, Inst. of Technology	Recent Advances and Future Technologies for Power Electronic Controlled Electrical Power Systems	27/06/2017 to 07/07/2017	Dr. Akhilesh Nimje
EC Engineering, Inst. of Technology	Signal Processing and Artificial Intelligence	27/06/2017 to 07/07/2017	Dr. Nagendra Gajjar

Mechanical Engineering, Inst. of Technology	Current Practices in Production and Industrial Engineering	27/06/2017 to 07/07/2017	Dr. B. K. Mawandiya
Computer Science & Engineering, Inst. of Technology	Research Avenues in Computational Intelligence and Its Applications	27/06/2017 to 07/07/2017	Dr. Ankit Thakkar
Inst. of Pharmacy	Transforming Higher Education through Innovation Pedagogical Tools	01/07/2017 to 15/07/2017	Dr. Priti Mehta
Inst. of Law	How to Build GEMS to Nnurture CHAMPS for Legal Profession	09/06/2017 to 04/07/2017	Dr. Tarkesh Molia

Table No. 26

Academic Audit

Academic Audit Activity	Year 2017 - 18
Number of Peer Faculty Classroom Observations (Observations of Junior Faculty Members by Senior Faculty Members)	70
Number of Institute Level Academic Audits (Per Semester per Institute / per Department)	30
Number of University Level Academic Audits (By External Experts)	07

Table No. 27

Training Programmes

The summary of different types of training programmes, refresher courses, workshops, etc. organized by the CQAAD / DRI during the year 2017-18 are as under:

National Level Programmes				
Sr. No.	Name of the Programme	Duration of the Programme	Dates	Number of Participants
1.	Digital Era Tools for Teaching-Learning and Research	Two days	September 15-16, 2017	35
2.	Intellectual Property-Idea to Asset	Two days	February 02-03, 2018	33

Table No. 28

In-House Programmes				
Sr. No.	Name of the Programme	Duration of the Programme	Dates	Number of Participants
1.	Invited Talk by Dr. Ravi A. V. Kumar, Scientist SG, Institute for Plasma Research on, 'Research Funding Schemes available under the Board of Research in Nuclear Science'	Half day	May 19, 2017	45
2.	Invited Lectures by Dr. Uday Khedkar, Head, CSE, IIT-Mumbai	One day	September 29, 2017	70
3.	One Day Seminar for Doctoral Students	One day	January 20, 2018	101
4.	Research Interactions Day	One day	March 30, 2018	50

Table No. 29

Events

Name of Event	Date	Chief Guest
23 rd Convocation	April 20, 2017	Prof. Ved Prakash Former Chairmain, University Grants Commission, New Delhi
24 th Convocation	November 6, 2017	Shri. Narendra K. Verma Managing Director & Chief Executing Officer, ONGC Videsh Ltd.
Independence Day	August 15, 2017	Dr. Pankaj M. Shah Vice President, Gujarat Cancer Society, Ahmedabad
Republic Day	January 26, 2018	Mr. Mukesh M. Patel Advocate & Tax Consultant, Ahmedabad

Table No. 30

Abbreviations:

NU= Nirma University

IT-NU=Institute of Technology

IM-NU=Institute of Management

IP-NU= Institute of Pharmacy

IL-NU= Institute of Law

IAP-NU= Institute of Architecture & Planning.

IC-NU=Institute of Commerce

DoD=Department of Design

Members of Trust (Nirma Education and Research Foundation)

Sr.	Name	Sr.	Name
1.	Dr. K.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 Hirenbbhai K. Patel Managing Director, Nirma Ltd. Nirma House, Ashram Road Ahmedabad
5.	Shri R D Shah Chartered Accountant Nirma House, Ashram Road Ahmedabad		

Members of Board of Governors

Sr.	Name	Sr.	Name
1.	Dr K. K. Patel- Chairman Chairman Nirma Ltd. Chairman, Nirma Education & Research Foundation, and President, Nirma University Ahmedabad	2.	Dr. Anup K. Singh Director General Nirma University Ahmedabad
3.	Shri R. D. Shah Chartered Accountant, Nirma House Ashram Road, Ahmedabad	4.	Ms Anju Sharma, IAS Principal Secretary Dept. of Higher and Technical Education, Block No. 5, 8 th Floor Sachivalaya, Gandhinagar
5.	Prof. Alka Mahajan Dean, Faculty of Technology & Eng. Nirma University Sarkhej-Gandhinagar Highway Ahmedabad.	6.	Prof. Utpal Sharma Dean, Faculty of Architecture & Planning, Nirma University, Ahmedabad
7.	Shri J. P. Joshipara 240, Manek Baug Society S M Road, Nirma Circle Ahmedabad-380015	8.	Prof. N. R. Madhava Menon Hon. Director, Bar Council of Kerala M.K.Nambyar Academy for Continuing Legal Education, Kochi

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| <p>9. Shri Hirenbhai K. Patel
Managing Director
Nirma Ltd., Nirma House
Ashram Road, Ahmedabad</p> <p>11. Dr. Pankajbhai Patel
Chairman & Managing Director
Zydus Cadila Healthcare Ltd.
Satellite, Ahmedabad.</p> <p>13. Shri Kamalbhai Trivedi
Advocate General, Gujarat High
Court The Chamber, Opp.
Gurudwara, Theltej Cross Road,
Ahmedabad.</p> <p>- Shri G. Ramachandran Nair –
Secretary
Executive Registrar</p> | <p>10. Shri Vipinbhai Parikh, Advocate
3, Khadayata Colony, b/h Pantaloon
Show Room, Nr. Law Garden,
Ellisbridge, Ahmedabad–380 006</p> <p>12. Dr P. N. Bhagwati
Chairman, Bhagwati Sphero Cast Ltd.
1, Krishna Society, Near Law Garden
Ellisbridge, Ahmedabad</p> <p>14. Shri Rakeshbhai K Patel
Vice Chairman, Nirma Ltd.
Nirma House, Ashram Road
Ahmedabad.</p> |
|--|--|

Members of Academic Council

Sr.	Name	Sr.	Name
1.	Dr. Anup K Singh - Chairman Director General Nirma University Ahmedabad	2.	Shri K. Thyagrajan Iyer Ahmedabad
3.	Prof. N. R. Madhava Menon Hon. Director, Bar Council of Kerala M.K.Nambyar Academy for Continuing Legal Education, Kochi	4.	Dr. Piyushbhai Shah M.D., Hitachi Hi-Rel Power Electronics Pvt. Ltd.
5.	Prof. Manjunath Ghate Dean, Faculty of Pharmacy Nirma University, Ahmedabad	6.	Dr. Jaimin Vasa Managing Director, Vasa Pharmachem Pvt. Ltd.
7.	Prof. M.Mallikarjun Dean, Faculty of Management Nirma University, Ahmedabad	8.	Prof. Alka Mahajan Dean, Faculty of Technology & Eng. Nirma University, Ahmedabad
9.	Prof. Purvi Pokhariyal Dean, Faculty of Law Nirma University, Ahmedabad	10.	Prof. Utpal Sharma Dean, Faculty of Architecture & Planning Nirma University
11.	Prof. Sarat Dalai Dean, Faculty of Science Nirma University, Ahmedabad	12.	Prof. Deepak Danak Area Head, Economics and Finance Area, Dean (i/c), Faculty of Commerce Institute of Management Nirma University, Ahmedabad

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| 13. | Prof. Dhaval Pujara
Dean (i/c), Faculty of Doctoral Studies & Research, Nirma University
(from 24.07.2017) | 14. | Prof V. J. Lakhera
Dept. of Mechanical Engineering
Institute of Technology, Nirma University |
| 15. | Prof. Priyanka Sharma
Dept. of CSE
Institute of Technology
Nirma University, Ahmedabad | 16. | Prof. Jayesh Ruparelia
Dept. of Chemical Engineering
Institute of Technology, Nirma University |
| 17. | Prof. U. V. Dave
Dept. of Civil Engineering
Institute of Technology
Nirma University, Ahmedabad | 18. | Prof. D. K. Kothari
Dept. of Electronics & Communication Eng.
Institute of Technology, Nirma University |
| 19. | Dr. Gaurang Raval
Asso. Professor, Dept. of Information Technology, Institute of Technology
Nirma University, Ahmedabad | 20. | Prof. D.M.Adhyaru
Dept. of Instrumentation & Control Eng.,
Institute of Technology,
Nirma University, Ahmedabad |
| 21. | Prof. Nityesh Bhatt
Information Management area
Institute of Management
Nirma University, Ahmedabad | 22. | Prof. Rajesh Jain
General Management area
Institute of Management
Nirma University, Ahmedabad |
| 23. | Dr. P. K. Yadav
Asso.Professor, Marketing area
Institute of Management
Nirma University, Ahmedabad | 24. | Dr. Nina Muncherji
Asso.Professor, OB & HRM area
Institute of Management, Nirma University,
Ahmedabad |
| 25. | Dr. Hardik Bhatt
Asso. Professor, Pharmaceutical Chemistry area, Institute of Pharmacy
Nirma University, Ahmedabad | 26. | Dr. Mayur M Patel
Asso. Professor, Pharmaceutics area
Institute of Pharmacy
Nirma University, Ahmedabad |
| 27. | Prof. Priti Mehta
Pharmaceutical Analysis area
Institute of Pharmacy, Nirma University,
Ahmedabad | 28. | Prof. Jigna Shah
Pharmacology area
Institute of Pharmacy
Nirma University, Ahmedabad |
| 29. | Prof. Shalini Rajkumar
Institute of Science
Nirma University, Ahmedabad | 30. | Dr. Madhuri Parikh
Asso. Professor, Institute of Law
Nirma University, Ahmedabad |
| 31. | Shri Sharad Panchal
Asso. Professor
Institute of Architecture & Planning
Nirma University | 32. | Prof. Udai Paliwal
Institute of Commerce, Nirma University
(from 10.11.2017) |
| - | Shri G. Ramachandran Nair - Secretary
Executive Registrar
Nirma University, Ahmedabad | | |

Members of Finance Committee

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

OFFICERS OF THE UNIVERSITY DURING THE YEAR 2017-18

Sr.	Name	Designation
1.	Dr. Anup K. Singh	Director General
2.	Shri K. K. Patel	Vice President
3.	Shri D. P. Chhaya	Director (Academic & General Administration) (up to 31.10.2017)
4.	Shri G. Ramachandran Nair	Executive Registrar
5.	Prof. Manjunath Ghate	Dean, Faculty of Pharmacy
6.	Prof. M. Mallikarjun	Dean, Faculty of Management
7.	Prof. Alka Mahajan	Dean, Faculty of Technology & Engineering
8.	Prof. Purvi Pokhariyal	Dean, Faculty of Law
9.	Prof. Sarat Dalai	Dean, Faculty of Science
10.	Prof. Utpal Sharma	Dean, Faculty of Architecture & Planning
11.	Prof. Deepak Danak	Dean (i/c), Faculty of Commerce (up to 27.03.2018)
12.	Prof. Dhaval Pujara	Dean (i/c), Faculty of Doctoral Studies & Research (from 24.07.2017)
13.	Prof Udai Paliwal	Dean (i/c), Faculty of Commerce (from 28.03.2018)

Details of Meetings of the Authorities of the University

Sr.	Authorities of the University	Dates of Meeting
1	Board of Governors	18.04.2017, 28.09.2017
2	Academic Council	17.04.2017, 27.09.2017
3	Finance Committee	12.09.2017, 22.03.2017
4	Faculty of Technology & Engineering	11.08.2017, 16.02.2018, 30.03.2018
5	Faculty of Management	22.08.2017, 20.02.2018
6	Faculty of Pharmacy	19.08.2017, 28.02.2018
7	Faculty of Science	10.08.2017, 15.02.2018
8	Faculty of Law	19.08.2017
9	Faculty of Architecture & Planning	27.02.2018
10	Faculty of Doctoral Studies & Research	15.04.2017, 22.09.2017, 17.03.2018
11	Board of Studies under Faculty of Technology & Engineering	17-19.07.2017, 20-23.01.2018, 12-14.03.2018
12	Joint Board of Studies in Humanities & Social Science, and Joint Board of Studies in Science (under Faculties of Technology & Engineering and Pharmacy)	17.07.2017, 24.01.2018
13	Area Committees of Management under Faculty of Management	02-03.08.2017, 01-03.02.2018
14	Academic Area Committees under Faculty of Pharmacy	21.07.2017, 08.02.2018
15	Joint Board of Studies in Science under Faculty of Science	20.07.2017, 24.01.2018
16	Boards of Studies in Law under Faculty of Law	29.07.2017, 03.03.2018
17	Ad hoc Board of Studies in Architecture	21.08.2017
18	Board of Studies in Architecture	06.02.2018
19	Ad hoc Board of Studies in Planning	21.08.2017, 25.01.2018
20	Ad hoc Board of Studies in Commerce	31.07.2017, 31.01.2018
21	Ad hoc Board of Studies in Design	16.08.2017, 03.02.2018
22	Library Council	--
23	Students' Welfare Board	07.03.2018

Details of Recognition given as Ph.D. Guide of the University during the Year 2017-18

From Institutes of the University

Sr. No.	Name	Discipline
1	Dr. Gajjar Sachin Harishbhai	Electronics & Communication Engineering
2	Dr. Jain Sanjaykumar Virendrakumar	Mechanical Engineering
3	Dr. Narmawala Mohammedzunnun Abdulraoof	Computer Science & Engineering
4	Dr. Shah Nimish Rajnikant	Chemical Engineering
5	Dr. Nilesh Dhirajlal Ghetiya	Mechanical Engineering
6	Dr. Mitesh Panchal	Mechanical Engineering
7	Dr. Joshi Shashikant Jagmitra	Mechanical Engineering
8	Dr. Chauhan Mihir Mahendrakumar	Mechanical Engineering
9	Dr. Trivedi Reena Rajnikant	Mechanical Engineering
10	Dr. Dave Jatinkumar Maheshkumar	Mechanical Engineering
11	Dr. Siddharthsingh Kamaljitsingh Chauhan	Electrical Engineering
12	Dr. Kuntal Bhattacharjee	Electrical Engineering
13	Dr. Nikunj Kumar Ramnikbhai Patel	Management
14	Dr. Shahir Bhatt	Strategic Management & Entrepreneurship
15	Dr. Samik Shome	Economics
16	Dr. Shah Hardik Harshdkumar	OB & HR
17	Dr. Bhumika Dipen Patel	Pharmaceutical Chemistry
18	Dr. Bhadada Shraddha	Pharmaceutical Science
19	Dr. Madhuri Parikh	Environmental Law
20	Dr. Arab Mohammed Shamiulla	Criminal Law

From the Recognized Research Center

Sr. No.	Name	Discipline	Name of the Recognized Research Center
1	Dr. Nitant Dube	Computer Science & Engineering	Space Application Centre
2	Dr. Joshi Amita Keertiman	Pharmaceutics	PERD
3	Dr. Tripathi Rahul	Pharmaceutical Sciences	PERD

Details of Students Registered for Doctoral Studies (Ph.D.) during the year 2017-18

Sr. No	Student Name	Name of the Supervisor	Faculty	Tentative Topic
1	Ashishkumar Rameshchandra Makwana	Dr. Nityesh Bhatt	Management	Machine to Machine Learning Model
2	Tandel Nikunjibhai Umedbhai	Dr. Rajeev Tyagi	Science	Creation of human liver chimeric mice to study liver stage infection of P. falciparum
3	Nisha Rajjender Singh	Dr. Ameer Nair	Science	Role of nanocarriers in the development of asexual blood stage malaria vaccine
4	Gargi Upadhyay	Dr. Parul R. Patel	Science	Cropping System Assessment Over Major Agro-Climatic Zones of Indai Using Space Borne Data
5	Patel Ronakkumar Natvarlal	Dr. Priyank Thakkar	Tech&Engg	Next Generation Recommender System
6	Chaudhari Kinjal Narenbhai	Dr. Ankit Thakkar	Tech&Engg	Recommendation System
7	Neha Sisodiya	Dr. Priyank Thakkar	Tech&Engg	Earth Observation Data and Deep Learning Techniques.
8	Aparna Kumari	Dr. Sudeep Tanwar	Tech&Engg	Big Data Analytics in Smart Grid Systems
9	Raval Nipun Pravinbhai	Dr. A. M. Lakdawala	Tech&Engg	Residual stress in friction stir welding : Numerical simulation and Experimental Verification
10	Sunil Dineshbhai Raiyani	Dr. P. V. Patel	Tech&Engg	Strengthening of RC Element Subjected to Torsion
11	Prajapati Hiren M.	Dr. A. M. Lakdawala	Tech&Engg	Experimental and Numerical Analysis of Mixed Mode Type Twin Tube Magneto- Rheological (MR) Fluid Based Damping System
12	Makwana Rudreshkumar Dineshbhai	Dr. K. M. Patel	Tech&Engg	Investigations of effect of initial grain size and temper condition on formability of aluminium sheet during conventional

				and incremental forming operations
13	Bhatt Dvijesh Nareshkumar	Dr. Priyank Thakkar	Tech&Engg	Automated Video Summarization
14	Hemanth M. Kamplimath	Dr. Urmil Dave	Tech&Engg	Rigid Pavements
15	Dalwadi Hemang Amrutlal	Dr. Parul R. Patel	Tech&Engg	Detection of Pavement Material and Assessment of Surface Distress using Hyperspectral and SAR data
16	Tandel Roshankumar Rameshchandra	Dr. R. N. Patel	Tech&Engg	Experimental and Numerical Study on Silt Erosion of Pump as Turbine
17	Swati Sharma	Dr. Mayur M. Patel	Pharmacy	Title was not finalised
18	Ashutosh Pande	Dr. Purvi Pokhariyal	Law	Constitutionality of Armed Forces Special Powers Act with Special Reference to Secessionist Movements: A Critical Analysis
19	Thakker Pooja Rameshbhai	*	Management	Course work in Progress *
20	Nishant Agrawal	*	Management	Course work in Progress*
21	Shah Aakruti Girish	*	Management	Course work in Progress*
22	Jha Poonamkumari Santoshkumar	*	Management	Course work in Progress*
23	Khatri Urmi Rameshchandra	*	Management	Course work in Progress*
24	Jaiswal Jayshree Suresh	*	Management	Course work in Progress*

* Topic and Supervisor will be allotted after completion of the course work.

List of deregistered Research Scholars

Sr. No.	Student Name	Status	Registration Date	Faculty
1	Mishra Chetnesh Kumar Akhilkumar	Part-time	10/12/2016	Management
2	Purva Sharma	Part-time	16/12/2016	Management
3	Anjali Mohapatra	External	08/01/2013	Management
4	Vartika Sharma	External	09/10/2015	Management
5	Nayak Vinayak Umesh	External	13/12/2012	Management
6	Prajapati Sudhirkumar	External	01/07/2010	Management
7	Siddhartha Chatterjee	Full Time	23/06/2015	Management
8	Prakriti Soral	Full Time	23/06/2016	Management
9	Panchal Siddharth Rasiklal	External	12/10/2010	Pharmacy
10	Mali Prashant	External	19/10/2010	Pharmacy

11	Sharma Swati Shivdayal	Part-time	17/08/2017	Pharmacy
12	Patel Milap Kumar	External	21/03/2014	Pharmacy
13	Abhishekkumar Singh	External	16/09/2014	Science
14	P Vamshi Krishna	External	24/09/2013	Science
15	Mehta Vijay Prakashchandra	Full Time	12/09/2014	Science
16	Tandel Kirankumar Chhotubhai	External	19/09/2011	Science
17	Punit Saswadkar	Full Time	16/05/2016	Tech & Engg
18	Menon Shreya Sudhakaran	Full Time	19/11/2014	Tech & Engg
19	Mahesh Hasmukhbhai Panchal	External	26/02/2011	Tech & Engg
20	Bhatt Tarak Kiritbhai	External	21/04/2015	Tech & Engg
21	Amit Kumar Srivastava	External	17/10/2012	Tech & Engg
22	Patel Pinkal Bharatbhai	Full Time	6/10/2015	Tech & Engg
23	Patel Pratik A.	Full Time	6/10/2015	Tech & Engg

Candidates Awarded Degree of Doctorate (Ph. D) during the year 2017-18

Sr. No.	Student Name	Faculty	Topic
1	Dhani Ram Rajak	Management	Management and Analysis of Multi-source Remote Sensing Data for Modelling Multi-level Crop Acreage Estimates
2	Kaul Natashaa Ravee	Management	Leader Member Exchange: A Study of Antecedents & Organizational Outcomes
3	Srivastava Pranaya	Management	Measuring impact of firm specific resources on Export Performance of SME's: A Study of Indian Automobile and Textile Sectors
4	Debjani Rajanish Dass	Management	Topic yet not finalized
5	Abhishek Sachan	Management	Topic yet not finalized
6	Neeraj Kumar Sharma	Pharmacy	Formulation and Characterization of Photosensitive Liposomes of Anticancer Drugs
7	Om Prakash Sharma	Pharmacy	Surface Modified Nanomaterials for Improving Solubility and Dissolution
8	Pandya Radhika Bhalchandra	Pharmacy	Dissolution of Enhancement of BCS Class II Drugs Using Herbal Technique of Solid Dispersion and Adsorption Employing the Concept of Quality by Design
9	Amal Kumar	Pharmacy	Use of Operational and Decisional Approaches in Clinical Pharmacology Research to Optimize Clinical Trial Management, Design and Analysis
10	Jain Shailesh Vinodkumar	Pharmacy	Design and Synthesis of DPP-4 Inhibitors as Anti-Diabetic Agents
11	Shaikh Muhammad Vaseem	Pharmacy	Targeting Drug resistant cancer stem-like cells using nanoparticles: A novel strategy for anticancer treatment
12	Thakur Sandeep Kumar	Pharmacy	Identification of biomarkers for early detection of drug induced hepatotoxicity
13	Bakrania Anita	Pharmacy	Investigation and Evaluation of Interferon Inducer Alone and in Combination with Chemotherapeutic Agents as a Targeted Anti-Cancer Therapy

14	Manika Kala	Pharmacy	Role of stress and stress hormones on ovulation and implantation in mice: involvement of adrenals
15	Bhangale Jitendra Onkar	Pharmacy	Study of novel scaffolds from natural product for the treatment of neurodegenerative diseases
16	Thakare Vishnu Namdeorao	Pharmacy	Pharmacological Evaluation of Silymarin and Protocatechuic Acid in Experimentally Induced Depression in Rodents
17	Saurabh Agarwal	Pharmacy	Comparative study of Centrally acting muscle relaxants in spasticity associated with Post-stroke, Cerebral Palsy & Spinal Cord Injury
18	Vrundaben Chetankumar Suthar	Pharmacy	Development and evaluation of self emulsifying drug delivery systems of Lercanidipine HCl to improve dissolution in bio-relevant media
19	Shah Brijesh Maheshkumar	Pharmacy	Intranasal Colloidal Drug Delivery System For Brain Targeting Of Drugs
20	Sonal Rameshchandra Sharma	Science	Development of DNA Based Marker for Unequivocal Identification and Authentication of Medicinal Plants with Special Reference to Adulteration
21	Pareshkumar Ambalal Patel	Science	Modelling of Some Problems in Lubrication
22	Prajapati Bhumika Jayantkumar	Science	Elucidating the Role of Pathogen Pattern Recognition Receptors and Inflammatory Mediators following Gut Microbiota alteration and in Diet induced Type 2 Diabetes
23	Suhani Sagar Patel	Science	Study of Genotoxicity of Nanoparticles
24	Zaveri Purvi Dilipkumar	Science	Functional Microbial Diversity and Bacterial Flora in Common Effluent Treatment Plants of South Gujarat and Their Application
25	Vyas Swapnil Sunil	Science	Regional Characterization of Agricultural Drought Using Remote Sensing Based Observations from Indian Geostationary Satellites
26	Mukul Bhatnagar	Science	Growth Dynamics and Plasmonic response of Silver nanoparticles deposited on nanodots/nanorippled templates
27	Gandhi Sanjay Pratapbhai	Tech & Engg	Catalytic carbon dioxide reforming of methane to synthesis gas
28	Modi Kiritkumar Jayantilal	Tech & Engg	Approches for Discovery, Selection and Composition of Heterogeneous Web Services using Semantic Web
29	Mungla Mitesh Jethalal	Tech & Engg	Forward and Inverse Dynamic Analysis of Multiple Span Cracked Beam
30	Dave Jatinkumar Maheshkumar	Tech & Engg	Stress Analysis of Symmetrical and Unsymmetrical Laminates Subject Having Cut-outs of Arbitrary Shape Subjected to Different Loading onditions
31	Chauhan Mihir Mahendrakumar	Tech & Engg	Stress analysis of finite laminated composite plate with discontinuity

32	Patel Pareshkumar Dashrathbhai	Tech & Engg	Experimental Investigation on Life Cycle Analysis and Combustion Characteristic of CI Engine Operating on Biodiesel with Additives
33	Swati Jain	Tech & Engg	Design and Development of Content Based Image Retrieval Frameworks for Remote Sensing Domain: Issues and Challenges
34	Arundhati Misra	Tech & Engg	Quantitative Analysis of Approaches and Development of Optimal Wavelet Based Denoising Technique for SAR Data
35	Varinder Kumar	Tech & Engg	Strengthening of Axially Loaded Circular Concrete Columns using Stainless Steel Wire Mesh (SSWM)
36	Kotecha Radhika Navinbhai	Tech & Engg	Privacy-Preserving Classification of Horizontally Partitioned Data Streams
37	Gajjar Ruchi Indravadan	Tech & Engg	Spectral Based Blur Classification and Parameter Estimation Approaches for Image Restoration

Convocations:

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

Faculty	Degrees Awarded in Convocations		
	Twenty first 20-04-2017	Twenty second 06-11-2017	Total
Faculty of Management			
Ph. D. in Management	04	01	05
MBA (Full Time)	227	--	227
MBA (Family Business and Entrepreneurship)	50	01	51
BBA	--	26	26
Faculty of Law			
B.A. LL.B. (Hons.) Five Year Integrated Programme	107	07	114
B. Com. LL.B. (Hons.) Five Year Integrated Programme	65	01	66
B.BA. LL.B. (Hons.) Five Year Integrated Programme	46	04	50
Master of Laws (LL.M)		16	16
Faculty of Technology and Engineering			
Ph. D.	07	04	11
M. Tech.	--	357	357
M. Tech by Research	--	01	01
M.C.A.	--	68	68
B. Tech.	--	891	891
Diploma Engineering	--	42	42
Faculty of Pharmacy			
Ph. D.	05	09	14
M. Pharm.	--	39	39
B. Pharm.	--	90	90
Faculty of Science			
Ph. D.	04	03	07
M. Sc.	--	81	81
Grand Total	515	1641	2156

Institute
of
Technology

Institute of Technology

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Outstanding Achievements and Important Activities

The Institute of Technology has focused on developing an interdisciplinary culture, offering more flexibility to the students in exercising their choice. Keeping in line with this thought the effort, this year, has been on introducing more minor specializations and enhancing the basket of institute and department level electives.

A number of initiatives were taken to ensure that student learning takes place both in and outside the classroom. To that effect, a number of experts from the industry and academia from varied fields were invited to bridge the gap between theory and practice. Active research in the institute has increased owing to persistent efforts by the faculty ably supported by the initiatives taken at the University and Institute level.

Interaction at the national and international level has increased with a number of MoU's signed with top US and Canadian Universities and R&D organizations. All this has resulted in ensuring that we stand ranked amongst the top 30 self-financed private engineering institutes in the country and the top 3 in the State. Various achievements and initiatives taken on the academic, research & innovation front are highlighted as under.

International Conference – NUiCONE 2017

To assimilate the new dimensions of existing knowledge in various fields, the Institute organizes Seminars, Workshops, Training Programmes and International Conferences which showcase the commitment towards bridging the gap between various disciplines and amalgamate new ideas and advanced technologies.

This year, the Nirma University International Conference on Engineering 'NUiCONE 2017', **was organized during November 23-25, 2017** and the main theme of the conference was 'Technology Drivers- the growth engine', and was also focused on green technology and innovations to sensitize the researchers, industry professionals and students towards environment issues. There were total nineteen themes to cater to the diversified needs of the academia and industry. Around 290 research papers were received from various disciplines and only 90 papers were accepted for oral presentation after stringent quality checks. To ensure quality, papers were checked for plagiarism, subjected to double blind review and language correction. These papers will be published by both the reputed publishers; IEEE and Taylor and Francis. The conference received active participation from across the country and abroad from Industry, academia and researchers from reputed organisations like IITs, NITs, IPR, ISRO, Northumbria University UK, University of New Brunswick Canada and University of Victoria Canada. Total participation, including invited industry delegates, research organizations, post graduate students and faculty members was 589.

Exhibition on Green Technology and Innovations was one of the attraction of the conference. **Institute of Plasma Research**, Gandhinagar, BARC Mumbai & RRCAT Indore (research centres under DAE) displayed technologies on Plasmas & applications, Indian LASER and India's first 2 GeV particle Accelerator INDUS-II program. **J K Lakshmi Cements** exhibited in-house innovations for conservation of energy and tapping the resources. **PCRA** (Petroleum Conservation Research Association) brought awareness towards pollution and environment.

National Conference - RAFTCT-17

National Conference RAFTCT-17 was organised on September 16, 2017 by the Chemical Engineering Department of IT-NU. Dr. Narottam Sahoo, Advisor and Member Secretary, DST, Government of Gujarat was the chief guest of the function. Dr. Ramesh L. Gardas, Associate Professor Department of Chemistry, IIT Madras and Dr. Sameer V. Dalvi Associate Professor, Chemical Engineering Department, IIT Gandhinagar were the invited speaker of the conference. Large number of the science and engineering students gathered at the Conference. The conference was organized with an aim of bridging gap between academia and research and development and the use of technological innovations and advancements. Selected 70 posters and 35 papers were presented in the conference with participation across the nation from different institutes of repute. The abstracts of all posters and papers presented in the Conference were published in Souvenir booklet and e-proceedings and presented papers will be published in an International Journal after peer review.

NVIDIA Deep Learning Institute (Ambassador) and Accelerated Computing Workshop

NVIDIA in association with Computer Engineering Department conducted a Two-Day Workshop on 'Deep Learning and GPU Programming' during March 16-17, 2018. The workshop was coordinated by Dr. Priyanka Sharma, Professor, Computer Engineering Department and Dr. Priyank Thakkar, Associate Professor, Computer Engineering Department. The workshop was attended by 60 UG, PG, PhD students and faculty members of Computer Engineering, Information Technology and Electronics and Communication Engineering Department. Mr. Unnikrishnan (Business Development Director, NVIDIA) and Mr. Bharat Sharma (Senior Solution Architect conducted the workshop). There were hands-on sessions with primary focus on Deep Learning and GPU Programming Models in the workshop.

Seminar on 'Radiation Effects in Semiconductor Devices, Physics, Modelling and Mitigation'

A One-Day Research Seminar on 'Radiation Effects in Semiconductor Devices, Physics, Modelling and Mitigation' was organized by the Electronics and Communication Engineering Department on August 02, 2017. Dr. Shen Chen, Manager, Cogenda Pvt. Ltd. and Mr. Amit Saini delivered the technical sessions. The seminar was attended by 70 participants.

Academic Activities

Following are some of the academic initiatives taken and achievements during the year

- Prepared a 15 year vision document and action plan for Institute of Technology. This was a part of the application submitted by the University to seek status of Institute of Eminence.
- In order to implement Research policy and to promote research activities in the Institute, Institute level and Department level research committee were formed for both Circuit and Non-Circuit branches.
- Prof D P Agrawal known for his domain knowledge and experience in teaching/administration was appointed as Honorary Faculty advisor with a view to improve teaching-learning, mentor young faculty and help in restructuring the programmes.
- Minor Specialization in Computing with IoT and Cloud was introduced for the students of B.Tech (IT and CE).
- Course Design Policy and Project Policy was introduced to ensure quality and relevance of programmes and courses offered by the Institute of Technology. These policies will ensure

uniformity and transparency in the implementation and keep students informed about the details of delivery and requirements of all the courses.

- Minor Specialization in Entrepreneurship introduced for the students of all B.Tech Programmes.
- With a view to attract and support full time PhD scholars, the number of scholarships was increased from 2 to 8, i.e. one per department.
- Preparation for getting accredited by the National Board of Accreditation (NBA) is initiated in all the departments. The institute will go for NBA, for four of its programs; CE, CH, ME and EC in 2018-19.

Research, Publications & Development Activities

- 13 Major and Minor Research projects funded by external agencies worth Rs. 237.37 lacs are in progress and 10 projects worth Rs 198.78 lacs were sanctioned in 2017-18. The Nirma University funded major project of Rs. 27 lakhs is in progress.
- 17 faculty members have contributed by publishing book chapter in various engineering books with renowned publishers.
- 8 faculty members were awarded PhD in 2017-18 taking the total count to 83 PhD holders in the institute. Further, 70 faculty members are currently pursuing PhD.
- A number of MoUs were signed with international Universities to facilitate internships and research collaborations.

Awards and Honors

A number of faculty and students were recognized for their outstanding achievements

1. Dr. Madhuri Bhavsar received ISTE best engineering college teacher award for the year 2017.
2. Dr. Gaurang Raval received Best SPOC Award by Infosys Ltd.
3. Prof. P N Kapil received "Dronacharya Award" during the BAJA SAE India 2018 Competition organized by SAE (Society for Automotive Engineers) at NATRIP, NATRAX Facility, Pithampur (Nr. Indore), Madhya Pradesh, India for best faculty mentor to the student team in the e-BAJA.
4. Prof. A.N. Patel - "Best Educationist Award" by International Institute of Education and Management- New Delhi.
5. Dr. Dhaval Pujara received HEF Award in Association with JJT University for Academic Excellence from Higher Education Forum, Mumbai.
6. The **Nirma Robocon Team** won the Abu National Robocon Contest 2018 hosted by Doordarshan and MIT Academy of Engg, Pune. The Nirma Team received National Winner Award, Prof. Balakrishna Memorial Award, Fastest Job Completion Award, Cash prize of Rs 100000/- and a Gold Medal. The Nirma Team will now represent India at the International Robocon 2018 to be held in Vietnam in August.
7. **Team Stallions** participated in the prestigious SAE BAJA Competition and won first position for Endurance Test in m-baja and received Rs 1.00 lac cash prize. Team Stallions also won the overall third position for m-BAJA and won Rs. 75,000 cash prize amongst 150 national teams.
8. **Mitsubishi Cup-MECUP-3** a National level Automation Competition for students was organised by Mitsubishi Electric India Pvt. Ltd. at the Institute of Technology, Nirma University. 130 teams participated from different states of India. Team "CON-SL-E 2.0" of Instrumentation & Control

Engineering Department of Institute of Technology, Nirma University secured 2nd place and won the Silver Cup along with Rs. 75,000/- cash prize.

Other Achievements / Activities:

- Hon'ble Defence Minister of India **Smt. Nirmala Sitharaman**, Hon. Minister of State Women & Child Development **Smt. Nirmala Wadhvani**, AirMarshal **R K Dhir** PVSM AVSM VM ADC AOC-in-C SWAC, Hon. Minister of State, Road & Transport **Shri Vallabhbhai Kakadiya** and Air Marshal **DS Rawat** AVSM VSM, SASO and Mayor of Ahmedabad City **Shri Gautambhai Shah** graced the two days symposium PRAVEG'17 organized by Mechanical Engineering Students' Association (MESA) on 5th and 6th October 2017.
- An event “**KNOW OUR AIR FORCE**”, was organized by The Indian Air Force. The event was an attempt to enlighten the youth with the key roles that the Air Force plays in the safety of the nation. The Indian Air Force presented an exhibition of their weapons and technology at the campus so as to aid understand the importance of their role and to showcase the innumerable aspects of the working of the Indian Air Force, thereby encouraging students to be a part of it. They gave lifetime experience with their Air Modeling Show and various activities like Para Sailing, Rope Balancing along with Helicopter Slithering Operation.
- **Dr. Sambit Patra**, Surgeon and National Spokesperson, Bharatiya Janata Party (BJP), **Shri Saurabh Shukla** (Founder NewsMobile and Partner, Republic TV) and **Shri Arnab Goswami** (Founder, Republic TV) delivered a lecture series during Praveg 2017.
- National Level Technical Fest (NuTECH) was organized by the Institute which saw a participation of more than 3000 students from all over Gujarat.
- Dr Subhash Chandra, Chairman Essel & Zee Media Groups, MP – Haryana delivered an inspiration talk cum interaction (Q&A) on “Magic of Belief” under Extra Mural Lecture on May 20, 2017 for all students, faculty and staff of Nirma University.
- Under ISTE, Dr Jen Gupta, SEPnet/Ogden Public Engagement and Outreach Manager for the Institute of Cosmology and Gravitation, University of Portsmouth in UK delivered a Public Lecture on “The Invisible University” for faculty, staff and students. She explained and presented the Universe at other wavelengths, from familiar objects like our Sun to weird and wonderful distant quasars, and explained some of the physics behind them. More than 500 people attended lecture and actively took part in question-answer session also.
- Expert lectures by National and International expert were arranged and industrial visits organized across all departments.

Ranking

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

- Ranked **79th** at the national level by the National Institute Ranking Framework (**NIRF**), MHRD, Govt. of India in **2017**.
- Listed under A category in Statewise Ranking of Private Engineering Institutes and Colleges for Gujarat state by Digital Learning. (April 2017)

- Ranked 37th amongst India's Top 100 Engineering Institutes Table League and 2nd amongst Private Engineering Institutes – in Gujarat State (State Ranking) by Education World India Private Engineering Institutes Ranking 2017. (May 2017)
- The Institute Ranked 16th in Top 100 Private Engineering Colleges in India and 7th in Top 10 Engineering Colleges in India – Placement by Higher Education Review 2017. (June 2017)
- The Institute Ranked 26th in Top 100 Engineering Colleges across the country by Outlook Magazine 2017. (June 2017)
- Ranked 78th amongst Top 100 Engineering Colleges (All India) and 29th in Top Private Engineering Colleges (All India) and 5th in The Top Private Engineering Colleges (West Zone) as per survey conducted by The Week – Hansa Research Survey 2017. (June 2017)
- The Institute is ranked 9th in Top Engineering Colleges of Super Excellence, 1st in Gujarat State by Competition Success Review-GHRDC Engineering College Survey in 2017. (July 2017)
- The Institute ranked 12th amongst Top 25 Engineering College for Faculty, Research, Consultancy, EDP and Other Programmes by Competition Success Review-GHRDC Engineering College Survey in 2017. (July 2017)
- Ranked 11th in Top 25 Engineering College for Placements, USP, Social Responsibility, Networking & Industry Interface by Competition Success Review- GHRDC Engineering College Survey in 2017. (July 2017)
- The Institute ranked 11th in Top 100 Private T-Schools across the country and 3rd in Top 10 T-Schools in the West Zone in the DataQuest CMR T-School Survey 2017. (July 2017)
- Ranked 30th in Top 100 T-Schools (Govt. and Private Combined) across the country in the DataQuest CMR T-School Survey 2017. (July 2017)
- Ranked 56th in Top 100 Engineering Colleges by Competition Success Review-GHRDC Engineering College Survey in 2017. (August 2017)

Dignitaries visited

Name of the Dignitary	Organization and designation	Purpose of visit	Date
Smt Nirmala Sitharaman	Hon'ble Defence Minister of India	Inaugurated two days symposium PRAVEG'17	October 5 & 6, 2017
Smt Nirmala Wadhvani	Hon. Minister of State Women & Child Development		
Air Marshal R K Dhir	PVSM AVSM VM ADC AOC-in-C SWAC,		
Shri Gautambhai Shah	Mayor of Ahmedabad City		
A VM AK Gupta	VSM, SMSO		
Shri Vallabhbai Kakadiya	Hon. Minister of State, Road & Transport		
Air Marshal DS Rawat	AVSM VSM, SASO		
Dr. Sambit Patra	Surgeon & National Spokesperson, Bharatiya Janata Party (BJP)	Delivered lecture during PRAVEG' 2017	October 6, 2017
Shri Saurabh Shukla	(Founder News Mobile and Partner, Republic TV)		
Shri Arnab Goswami	(Founder, Republic TV)		

Dr. Banu Ormeci	Professor, Civil & Environmental Engg. Dept., Carleton University	Delivered expert talk on Waste Water Engineering to Civil Engineering students.	November 10 & 11, 2017
Dr. Pauline Rankin	Associate Vice-President (Research and International), Carleton University	To discuss regarding joint social innovation program between Carleton and Nirma students	November 11, 2017
Padma Vibhushan Shri Dr. Anil Kakodkar	President, National Academy of Sciences India; Chairman, Rajiv Gandhi Science & Technology Commission; Member & Former Chairman Atomic Energy Commission	Chief Guest and Inaugurated the Conference – NUiCONE 2017	November 23, 2017
Shri S Sriram	General Manager, Marketing at Mitsubishi Electric India Pvt. Ltd	Chief Guest during valedictory function of NUiCONE 2017	November 25, 2017
Mr. Pratul Shroff	CEO – eifnochips	Meeting to discuss collaboration	January 10, 2018
Associate Dean John Bay	Research and Grad Studies, Binghamton University	Conducted workshop on Cyber Security for 6th Semester B.Tech CE and IT dept. students and for 4th Semester MCA students	February 2, 2018
Peter Partell	Assoc. Dean, Academic Affairs & Admin, Thomas J. Watson School of Engineering & Applied Science, Binghamton University	Follow-up of MOU between Nirma University & Binghamton University	February 2, 2018
Lisa Gallagher	Assistant Dean – Research and Grad Studies, Watson School)	To discuss the preapproved MS programme of BU	February 2, 2018
Mr. Katsunori Ushiku	Managing Director, Mitsubishi Electric India Pvt. Ltd.	Chief Guest, 3 rd Mitsubishi Electric Cup, National level Automation competition for Students	February 17, 2018
Mr. Makoto Yokoyama Director, FAID	Mitsubishi Electric India Pvt. Ltd.	Chief Guest, 3 rd Mitsubishi Electric Cup, National level Automation competition for Students	February 17, 2018
Mr. Hiroshi Kitamura General Manager- R&D	Mitsubishi Electric India Pvt. Ltd.	Chief Guest 3 rd Mitsubishi Electric Cup, National level	February 16, 2018 & February 17, 2018

		Automation competition for Students	
Dr. Rishi Gupta	Associate Professor, University of Victoria, Canada	Delivered expert talk on “Non-contact Non-Destructive Evaluation techniques for structural health monitoring” for participants of NUiCONE 2017. He has also presented one technical paper and participated in panel discussion as an expert panel member	November 23, 2017 to November 25, 2017
Mr. R. K. Sharma	Vice President, HOWE Engineering Projects (I) Pvt. Ltd, Ahmedabad	Guest of Honour of SCINTILLA-2017 and delivered a keynote address.	November 7, 2017
Dr. A. Jayaraman	Vice President, International Committee on Space Research-COSPAR, Paris and Former, Director, National Atmospheric Research Laboratory, ISRO	Guest of Honour of NUiCONE 2017. Delivered Keynote talk on atmospheric science and effect of technological development and life style on climate change.	November 23, 2017
Dr. Raghu Raghavendra	Vice Dean for Global Strategies, University of Southern California, USA	Delivered an expert lecture to Research Scholars	March 13 & 14, 2018
Dr Subhash Chandra	Chairman – Essel & Zee Media Group, MP-Hararyana	Delivered an Extra Mural Lecture on Magic of Belief.	May 20, 2017
Dr. M. Ramamoorthy	Chancellor, K. L. University, Andhra Pradesh Formerly worked as; Director General – CPRI, Bangalore, Research Chief of ABB, Professor of IITK, and Director of ERDA.	Invited for discussing the perspective plan and preparedness for applying for Status of IOE	October 26, 2017
Dr. Anuradda Ganesh	Director of Advanced Engineering, Cummins India, Pune (Former Professor and Head - IITB)		
Ms. Lipika Dey	Principal Scientist, TCS	Delivered an expert talk on “Data Analytics”	April 11, 2017
Dr Ashutosh Khanna	Associate Professor, Strategy & General Management, International Management Institute, New Delhi	Invited Speakers in the ISTE Faculty Chapter seminar on related to Essential skills and	March 21, 2018

Dr Deepu Philip	Associate Professor, Department of Industrial & Management Engg., IIT Kanpur	perspectives for surviving and prospering in the era of disruption and exponential growth.	
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I. Curricular Aspects

New courses being offered:

- Introduction of Minor Specialization – Computing with IoT and Cloud for the students of B Tech (IT and CE) entered in the year from 2015 onwards.
- Introduction of Minor Specialization in Entrepreneurship to be offered to all B.Tech Programmes from Sem.IV.
- Internet and Web Development (Minor Specialization in Computer Engineering (All branches except CE/IT) Semester V)
- Data structures (Minor Specialization in Computer Engineering (All branches except CE/IT) Semester VI)
- Internet of Things B. Tech. (CE/IT Semester VI)
- Introduction to Chemical Engineering to be offered to first year students from July 2018.
- UEIT004 – Information and Communication Technology (University Elective)

New Interdisciplinary courses:

- Introduction of Inter-disciplinary Minor Specialization from Information Technology Department in “Information Technology” for the Students of BBA + MBA integrated program.
- Information Technology Department offered two electives courses on Deep Learning and Internet of Things to students of B.Tech CE/IT.
- Mechanical Engineering Department offered two Institute Electives 1. Basics of Quality Management and 2. Introduction to Automobile Engineering
- Mechanical Engineering department proposed a new Minor Specialization titled “Robotics & Automation” is offered to all B.Tech students.

Courses where major revision is made:

- Revision in Course Learning Outcomes of Semester I / II of all B.Tech Programmes
- In M.Tech Semester I (CSE-INS) Web Security(3CS2103) and Ethical Hacking (3CS2202) is introduced
- In MCA Semester I Internet and Web Development: 3CA1154 is replaced with Web Technology: 3CA1157
- In MCA Semester V New Elective III Machine Learning and Applications(3CA1566) and Elective IV Big Data Analytics: 3CA1577 has been introduced
- In B.Tech Sem I(all branches) Art of Programming(CE101) has been replaced as Computer Programming (CE103)

- In IC Dept. B.Tech structure of Semester I –VIII and syllabus revision in semester I and II is revised.
- In Mechanical Engg. Dept. major revision has made in the syllabus of 3ME2108 Advanced Heat Transfer, ME642 Maintenance Engineering and ME102 Mechanical Workshop Practices.
- Curriculum restricting was initiated for Undergraduate programmes.

Any other Initiative/Innovation in Curricular Design:

- 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.
- Video lecture related to respective course are shown to students in class.
- Eminent speakers are invited for expert talks on different topics.

II. Teaching-Learning and Evaluation

Faculty completed/pursuing Ph.D.

Faculty completed Ph.D.: 08

Faculty Pursuing Ph.D.: 70

Innovation in Teaching - learning & evaluation:

In order to incorporate innovations in Teaching- Learning and evaluation, following practices were initiated

- A comprehensive course policy for all the courses was designed and made available to all the first year engineering students.
- Project policy was framed and implemented to ensure uniform conduction and evaluation of all the seminar/project components in the UG/PG curriculum.
- Question banks considering various cognitive levels were prepared for each subject to be used for continuous and semester end examinations.
- Department level, area wise committees comprising of senior faculty were formed to assess the standard of question papers/assignments etc. in each subject.
- Attainment of CO's and mapping of CO's to PO's was carried out for every subject and class.

Activities to sustain healthy practices

- NPTEL study center was established in the institute and many students, faculty and staff pursued NPTEL courses and qualified at the national level.
- All the faculty members actively use video projectors to demonstrate important concepts during their lectures which include NPTEL/MOOC videos, demonstration, animation or simulation of some conceptual model.

Interdisciplinary Student projects:

Sr. No.	Title of Project	Institute / Departments involved	Names of the Guides	Students
1	Automated chess board	Computer Engineering & Mechanical Engineering Dept.	Prof Smita Agrawal	15MCA057 15BME043
2	Beacons beyond advertising	Computer Engineering & Electronic & Communication Engg. Dept.	Prof Pooja Shah	15BCE117, 15BCE099
3	Digital interface for measuring deflection of cantilever beam	Civil Engineering and Instrumentation & Control Engg. Department	Prof S. D. Raiyani Prof. A. I. Patel	14BCL008 14BIC045 14BIC050
4	Automatic Street Cleaning Robot	Electronics & Communication Engg. and Mechanical Engg. Dept.	Prof. A. I. Mecwan Dr. M. M. Chauhan	14BEC014 14BEC009 14BME063
5	Autonomous Car model	Instrumentation & Control Engg and Mechanical Engg. Dept.	Prof. V.M. Vaidya	15BME070 15BIC021

Exam Reforms Implemented

- Removal of the system of having two sections in a question paper, leading to facilitation at both students and faculty level.
- Flexible timings and choice of place for assessment offered to faculty to ease the evaluation process.
- Change in range of D Grade (gracing marks) applicable for B.Tech Students CE Exam has been revised to 35-39 instead of 30-39
- Change in range of C Grade (gracing marks) applicable for M.Tech and MCA students CE Exam has been revised to 45-49 instead of 40-49

Number of faculty development programmes availed by faculty: 76

Number of faculty development programmes organized by the Institute: 20

Invited/Endowment Lectures: 155

Non-Teaching Staff Development

1. Mr. Sunil Regar and Mr. Deepakkumar Singh, Laboratory Assistant, Civil Engineering Department, ITNU attended “The Ambuja Advanced Concrete Mix Design Workshop” on 20th and 21st June 2017 held at Ambuja House, Ahmedabad. They both secured 1st position and 3rd position respectively in the Evaluation Test conducted as a part of the workshop.
2. Mr. Vipul Darji, Ms. Snehal Bhavsar, Ms. Vaibhavi Pandya, Mr. Prasann Shukla, Mr. Ketan Patel, Mr. Ghansyam Purohit (EE) attended a three day workshop on “Analog, Digital and Microprocessor/Microcontroller Laboratory” during 16th, 17 and 19th August 2017.
3. Mr. Abhijat Joshi, Mr. D V Naik, Mr. Ritesh Vedavala Mr. Chirag Patel from Mechanical Engg. Dept. and Ms. Krupali Shah from IC Department completed NPTEL online course and was awarded with certificate.

III. Research, Consultancy and Extension

Research Projects

Major Research Project funded by External Agencies during:

Financial Year	Completed		Ongoing		New projects (ongoing / sanctioned)	
	Number	Amount (Rs. In lacs)	Number	Amount (Rs. in lacs)	Number	Amount (Rs. in lacs)
2017-18	04	57.25	10	215.57	10	198.78
2016-17	01	21.36	08	160.48	05	87.54

Major Research Project funded by Nirma University during:

Financial Year	Ongoing	
	Number	Amount (In Rs. In lacs)
2017-18	1	27.00
2016-17	1	27.00

Minor Research Project funded by External Agencies during:

Financial Year	Completed		Ongoing		New projects (ongoing / sanctioned)	
	Number	Amount (In Rs. In lacs)	Number	Amount (In Rs. In lacs)	Number	Amount (In Rs. In lacs)
2017-18	10	43.62	03	21.80	--	--
2016-17	09	30.71	11	48.42	03	26.00

Minor Research Project funded by Nirma University during:

Financial Year	Completed		New projects (ongoing / sanctioned)	
	Number	Amount (In Rs. In lacs)	Number	Amount (In Rs. In lacs)
2017-18	09	8.58	11	10.44
2016-17	11	10.97	10	9.58

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

Financial Year	National Conference		International Conference	
	Number of Teachers	Amount incurred (In Rs. In lacs)	Number of Teachers	Amount incurred (In Rs. In lacs)
2017-18	11	0.72	44	5.48
2016-17	21	1.24	58	6.32

Major Research Project externally funded

Sr. No.	Project Title	Project Investigator	Funding Agency	Grant (In Rs. in lacs.)
1	Identification of Road Material and Distress for Major Roads of Gujarat Using L and S Band Airborne SAR (NISAR)	Prof. H. A. Dalwadi, Dr. P. R. Patel	SAC-ISRO	19.56
2	Identification of Perched Water Table Areas in Irrigated Tracks using Airborne SAR Data (NISAR)	Dr. P. R. Patel, Shri R. L. Mehta (Scientist, SAC-ISRO)	SAC-ISRO	20.67
3	Study and Development of Domain Adaptive Classification Algorithm for Advanced Earth Observation and Annotation System	Dr. Tanish Zaveri (EC), Dr. Priyank Thakkar, Prof. Pooja Shah	NISAR AO, ISRO	17.90
4	Development of comprehensive technique for soil moisture estimation using L & S band airborne polarimetric SAR data	Dr. Sanjay Garg, Dr Priyank Thakkar, Dr Vijay Ukani, Arundhati Ray Misra (SAC), Dharmendra Pandey(SAC)	NISAR AO, ISRO	21.80
5	Land Cover Classification of Polarimetric SAR Image/Data for Agricultural and Urban Region	Dr. Samir Patel (PDPU), Dr. Vibha Patel, Prof.Tarjni Vyas	NISAR AO, ISRO	14.00
6	Mining agricultural cover from SAR images and measuring necessary crop parameters using IOT framework to estimate water and irrigation requirement for agricultural use	Dr. Madhuri Bhavsar (IT) Prof Swati Jain, Dr. Zunnun Narmawala, Prof. Vivek Prasad	NISAR AO, ISRO	14.28
7	Trajectory Planning for Robotic Arm for Automatic Damage Detection & Recognition of First Wall Tile Images in Tokamak using Image Processing and Machine Learning	Dr Swati Jain Dr Priyanka Sharma	Board of Research in Nuclear Science (BRNS)	22.10
8	Design Against Radiation Effects (DARE) ASIC Standard Cell Library for VLSI Circuits	Dr. N. M. Devashrayee Dr. N. P. Gajjar	DRDO	37.72

9	SAR Polarimetry for detecting ocean surface targets	Dr. Alka Mahajan, Dr. Madhuri Bhavsar, Prof Payal Prajapati	ISRO	18.52
10	Optimizing Parallelisation of Legacy Code on appropriate HPC platform	Dr Madhuri Bhavsar, Dr Gaurang Raval	BRNS	12.23

Minor Research Project funded by Nirma University

Sr. No.	Project Title	Project Investigator	Grant (In Rs. in lacs.)
1	Synthesis, Characterization and Application of Polymer in Organic Solar Cell	Prof. Neha Patni	1.00
2	Prototype of Femto Satellite using Embedded Processors for Internet of Space	Prof. Ami Shukla, Dr. N. P. Gajjar	0.99
3	3-D Laser Triangulation Measurement	Prof. H.K. Kapadia	1.00
4	Development of Navigation Algorithm for Autonomous mobile Robot	Prof. V.M. Vaidya Prof. A.K. Sharma	1.00
5	Application of acoustic based technique for detection of machinery fault	Prof. D.V. Patel, Prof. V.M. Bhojwala, Dr. K.M. Patel	1.00
6	Design of walking mechanism for a bipedal robot	Dr. J.M. Dave, Dr. M.M. Chauhan	1.00
7	Experimental investigation on hole flanging operation by incremental sheet metal forming	Dr. B.A. Modi, Prof. R.D. Makwana	1.00
8	Tribology with biodiesel: An experimental study to identify tribo- corrosion behaviour of different bio diesel	Dr. A.M. Lakdawala, Prof. T.N. Raval	1.00
9	Evaluation of effect of induced shear in blending of powders on mechanical properties of Aluminum based metal matrix Composites	Dr. K.M. Patel, Prof. Arvind Sankhla	0.50
10	Experimental Investigations on Artificially Roughened Solar Air Heater	Dr. S.V. Jain Dr. V.J. Lakhera	1.00
11	Investigation of heat transfer in Pool boiling over structured surface	Prof. B.A. Shah	0.95

Major Research Projects externally funded

Sr. No.	Project Title	Project Investigator	Funding Agency	Grant (In Rs. in lacs.)
1	Using Deep learning to understand and predict the dynamics of Tokamak discharges	Dr. Priyanka Sharma	(BRNS)	26.00

2	Design and Development of Scalable Data Mining Algorithms for Big Earth Data.	Dr. Sanjay Garg	ISRO (RESPOND)	10.70
3	Spectral Discrimination and Separability Analysis of Crops and Weeds using Deep Learning Techniques	Dr. Vibha Patel	ISRO	10.00
4	Development of Low Cost Methodology for Surveying and Mapping with NavIC]	Dr. P. R. Patel, Prof. H. A. Dalwadi	SAC-ISRO	17.05
5	Calibration and Validation of RISAT-1 SAR Sensor and RISAT-1 derived soil moisture	Dr. P. R. Patel	SAC, ISRO	37.60
6	Identification of Existing Road Material, Condition and Potential Parking Area of Ahmedabad City using AVIRIS Data and Updation Plan of Undeveloped Road	Prof. Parul Patel, Dr T H Zaveri	ISRO	*17.00
7	Application of precast products made using bottom ash and fly ash for rural pavements and other infrastructure in India -PI from University of Victoria, Canada)	Dr. U. V. Dave, Dr. Rishi Gupta	IC-IMPACTS	40.65
8	Oceanic Pollution and other Ocean Phenomenon Monitoring using Feature Extraction from Multi-Polarized SAR Data	Dr. T. H. Zaveri), Prof. Pooja Shah	ISRO Respond, Bangalore	18.26
9	Design Fabrication and testing of a transition from free space Gaussian beam to fundamental D-band wave guide	Dr. Dhaval Pujara	Board of Research in Fusion Science and Technology	23.79
10	Process development for minimization of springback deformation and enhancement of profile accuracy of CFRP reflectors	Prof. S J Joshi, Dr B A Modi, Dr K M Patel	ISRO	14.52

* The project was sanctioned as Minor Project in 2016-17 and however the amount increased and it has been transferred to Major Project

Major Research Project funded by Nirma University

Sr. No.	Project Title	Project Investigator	Grant (In Rs. in lacs.)
1	Affordable Pd doped Perovskite based catalytic converter for abating automotive emission	Dr. Femina Patel, Dr. Sanjay Patel, Prof. N K Shah	27.00

Minor Research Project Externally funded

Sr.	Project Title	Project Investigator	Funding Agency	Grant (In Rs. in lacs.)
1	Reduction of E-Factor in Dyes and Pigment Industries (Environmental Pollution Control)	Dr. Parin Shah	Green Environment Services Co-op. Soc. Ltd. - CETP, Vatva.	7.50
2	Development of Blind Hyper Spectral Unmixing (BSU) Algorithm for Water Pollutant Identification Due to Sewage and Industry Disposals for South Karnataka Coast, Mangalore Region	Dr. T. H. Zaveri, Prof. Pooja Shah	ISRO	9.00
3	Experimental investigation on Ultrasonic Single Point Incremental Forming	Dr. B.A. Modi Prof. A.M. Gohil	GUJCOST	5.30

Major Research Project Externally Funded

Sr. No.	Project Title	Project Investigator	Funding Agency	Grant (In Rs. in lacs.)
1	Study the behavior of precast beam-column junction under progressive collapse scenario –An experimental and analytical investigations	Dr. P. V. Patel, Prof. Digesh Joshi	SERB (DST)	20.50
2	Development of Passive Damping Surface Coating for Advanced Materials based Structural System using PZT (Piezo) Powder	Dr. S. P. Purohit, Dr. P. V. Patel	ISRO-RESPOND	12.71
3	Understanding the immersed friction stir welding of aluminum alloys”(SERB-DST)	Prof. N. D. Ghetiya, Dr. K.M. Patel, Dr. B A Modi	DST, SERB	13.00
4	Optimization of Corrugated Horn Antenna using Adaptive Neuro-Fuzzy Inference System	Dr. D. A. Pujara, Dr. D. M. Adhyaru	ISRO, Ahmedabad	11.04

Minor Research Externally funded

Sr.	Project Title	Project Investigator	Funding Agency	Grant (In Rs. in lacs.)
1	Synthesis of cross linked starch and study its application of in taste masking / coating for drug delivery application	Prof. Nimish Shah	Stabicoat Vitamins, Ahmedabad	0.71

2	Dynamic Characterization of Shock Table (June 2014)	Dr. S. P. Purohit, Dr. P. V. Patel	GUJCOST	7.40
3	Development of Reinforced Aerated Blocks with Innovative Composite Ingredients as Compression Members for Structural Applications with Stringent Design Specifications	Dr. U. V. Dave	ISRO - RESPOND	8.00
4	Precision Agriculture Support System using Wireless Sensor and Actuator Network	Dr. D. K. Kothari, Prof. S. H. Gajjar, Prof. M.A. Upadhyay	GUJCOST, Gandhinagar	4.50
5	Design of a Hybrid System for Seamless Communication Across DVB-RCS and LTE Networks	Dr. Y. N. Trivedi, Dr. N. P. Gajjar	GUJCOST, Gandhinagar	3.00
6	Spectrum Sensing Techniques in Cognitive Radio	Dr. Y. N. Trivedi, Prof. Hardik Joshi	GUJCOST, Gandhinagar	3.00
7	Establishment of Free Space Optical communication link for real time audio transmission	Prof. D. G. Shah, Dr. D. K. Kothari	GUJCOST, Gandhinagar	3.41
8	Design of Low Noise, Low Power, Automatic Gain Controlled Amplifier for Biomedical Applications	Prof. D.J. Panchal, Prof. A I. Mecwan, Prof. V. G. Savani	GUJCOST, Gandhinagar	3.20
9	Development of Microscopic Technique for Automatic Characterization of the Cell Organisation for Authentication of few Indian Herbal Plants	Dr. T. H. Zaveri, Prof. B. D. Fataniya	GUJCOST, Gandhinagar	2.30
10	Experimental Investigation of life cycle analysis and combustion characteristic of CI Engine operating on Esterified Oil and its blends with Bio Additives”(GUJCOST)	Dr. R. N. Patel, Prof. A. M. Lakdawala, Prof. N. K. Shah	GUJCOST	8.10

Minor Research University Funded

Sr. No.	Project Title	Project Investigator	Grant (In Rs. in lacs.)
1	Use of pervious concrete for solving problem related to water clogging at Nirma University Campus	Prof. T. M. Joshi, Dr. U. V. Dave	1.00
2	Simultaneous Localization and Mapping using Autonomous Unmanned Aerial Vehicle	Dr. D. K. Kothari, Prof. D. J. Panchal	0.98
3	Development of High Temperature Applications using Fresnel Lens as Solar collector	Dr R K Mewada	1.00

4	Fabrication, characterization and Application of Polymer in Solar Cell	Prof Neha Patni	1.00
5	Development of low cost technique to remove copper from e-waste	Prof Amita Chaudhary	1.00
6	Design and Investigation of Advanced Control Schemes For Quadruple Conical Tank System"	Prof. Alpesh Patel, Prof. J.B. Patel	1.00
7	Investigation on application of minimum quantity solid lubrication in machining process” sponsored by Nirma University.	Prof. M.A. Makhesana, Dr. B.K. Mawandiya, Dr. K.M.Patel	0.60
8	To study effect of characterization properties on dimensional control for composite product	Prof. D.B. Shah, Prof. S.J. Joshi	1.00
9	Investigations on Producer gas quality for fixed bed gasifier	Prof. D.S. Upadhyay, Prof. N.K. Shah, Dr. R.N. Patel	1.00
10	Microwave Assisted Oil Extraction From Algae	Dr M. Jhansi L. Kishore	*1.00

*due to resignation of the faculty the project remained incomplete

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

Information cum Dissertation Abstracts Volume 10, Master of Technology

Research Publications:

Financial Year	Department	National Journal			International Journal		
		Number of paper published	Number of paper considered for calculation of average impact factor	Average impact factor	Number of paper published	Number of paper considered for calculation of average impact factor	Average impact factor
2017-18	Chemical	--	--	--	02	02	6.45
	Computer	01	--	--	20	14	2.25
	Civil	04	01	0.18	09	03	0.80
	Electrical	--	--	--	25	07	0.28
	Electronics	01	01	0.425	07	03	0.897
	IC	-	-	-	03	02	2.435
	IT	-	-	-	03	02	2.0
2016-17	Mechanical	--	--	--	14	12	2.037
	Chemical	01	-	-	04	04	1.8515
	Computer	02	-	-	28	22	2.5
	Civil	03	02	0.04	15	04	1.58

Electrical	-	-	-	06	03	0.754
Electronics	02	-	-	12	12	2.92
IC	-	-	-	06	06	2.70
IT	-	-	-	17	14	2.23
M&H	02	-	-	12	-	-
Mechanical	04	-	-	17	15	1.83

Summary

Research Publications by Faculty

International Journals:	83
National Journals-Refereed Papers:	06

International Conference, National Conference/Seminar including Abstracts:

International Conference:	126
National Conference:	13

Other Publications

Books:	02
Chapter in Books:	17

Citation Index of Faculty Members and Impact Factor

Sr. No.	Name of the Faculty Member	H-Index	Citations
1.	Dr Jayesh P Ruparelia	6	823
2.	Dr S.S. Patel	13	835
3.	Dr Nimish Shah	2	9
4.	Dr Parin Shah	3	52
5.	Prof Leena Bora	1	17
6.	Prof Ankur Dwivedi	4	51
7.	Prof Neha Patni	6	115
8.	Prof Amita Chaudhary	1	4
9.	Dr R.K.Mewada	7	145
10.	Dr M.H.Joshi	5	121
11.	Dr Femina Patel	4	48
12.	Dr Shibu Pillai	9	349
13.	Prof R.N.Reddy	1	38
14.	Prof Nikita Chokshi	1	2
15.	Dr Sanjay Garg	7	157
16.	Dr. Priyanka Sharma	3	51
17.	Prof. K P Agrawal	3	14
18.	Dr. Sharda Valiveti	5	55
19.	Prof. Vijay Ukani	5	96
20.	Dr. Priyank Thakkar	3	221

21.	Prof. Zunnun Narmawala	5	85
22.	Dr. Sudeep Tanwar	6	135
23.	Prof. Swati Jain	2	13
24.	Prof Monika Shah	1	7
25.	Prof Rupal A Kapdi	2	22
26.	Prof. Pooja P Shah	2	17
27.	Prof. Vishal U. Parikh	2	9
28.	Prof Jigna A Patel	2	23
29.	Prof Anitha Ashishdeep	1	1
30.	Prof Kruti Lavingia	1	3
31.	Prof Pimal Khanpara	1	6
32.	Prof Tarjni Vyas	1	13
33.	Prof. Shivani Desai	2	9
34.	Prof. Dhaval S Jha	1	5
35.	Prof Vivek K Prasad	1	10
36.	Prof. Anuja Nair	1	1
37.	Prof. Anitha Modi	2	5
38.	Prof. Reshma Idresh Lakhani	1	10
39.	Prof. Chirag Nathwani	1	2
40.	Prof. Om Prakash	10	184
41.	Prof. Saurin Parikh	2	13
42.	Prof. Sonia Mittal	1	1
43.	Prof. Smita Agrawal	2	10
44.	Prof Rasendu Mishra	1	1
45.	Prof. Priti Kathiria	2	5
46.	Prof. Jaiprakash Verma	3	50
47.	Prof. Rajan Datt	1	1
48.	Prof. Rushabh Shah	1	15
49.	Prof. Lata Gohil	1	1
50.	Dr. Paresh V. Patel	6	103
51.	Dr. Urmil V. Dave	5	74
52.	Dr. Parul R. Patel	2	14
53.	Dr. Sharad P. Purohit	4	40
54.	Dr. Hasan M. Rangwala	1	2
55.	Prof. Digesh D. Joshi	3	28
56.	Prof. Sonal P. Thakkar	2	6
57.	Prof. Sunil D. Raiyani	1	1
58.	Prof. Amit A. Dubey	1	2
59.	Prof. Rihan G. Maaze	1	12
60.	Prof. Hemang A. Dalwadi	1	1
61.	Prof. (Dr.) P.N. Tekwani	14	996
62.	Prof. (Dr.) S. C. Vora	4	35
63.	Dr. A.A. Nimje	5	66
64.	Dr. S. K. Chauhan	4	95

65.	Dr. Gulshan Sharma	6	58
66.	Dr. K. Bhattacharjee	6	175
67.	Prof. A.N. Patel	3	38
68.	Prof. T.H. Panchal	2	6
69.	Dr. Manisha T. Shah	4	48
70.	Prof. S S Kanojia	2	17
71.	Prof. Chintan Mehta	3	48
72.	Prof. C.B. Bhatt	2	14
73.	Prof. P. N. Kapil	2	15
74.	Prof. S. N.Jani	1	1
75.	Prof. Sukanta K. Sahoo	1	13
76.	Prof. Chirag Raval	1	1
77.	Dr. D. K. Kothari	3	34
78.	Dr. N. M. Devasharyee	8	228
79.	Dr. Dhaval Pujara	7	131
80.	Dr. Y. N. Trivedi	5	56
81.	Dr. N. P. Gajjar	3	26
82.	Prof. M. A. Upadhyay	2	10
83.	Dr. Usha Mehta	7	170
84.	Dr. T. H. Zaveri	8	209
85.	Dr. Amisha Naik	3	25
86.	Prof. Sachin Gajjar	9	220
87.	Prof. Piyush Bhatasana	1	1
88.	Prof. Vaishali Dhare	3	20
89.	Prof. Aakash Mecwan	3	28
90.	Prof. Vijay Savani	4	37
91.	Prof. Dhaval Shah	3	41
92.	Prof. Ami Shukla	1	2
93.	Prof. B. D. Fataniya	1	3
94.	Prof. Mehul R. Naik	2	10
95.	Prof. Ruchi Gajjar	3	26
96.	Dr. Ankur Pandya	3	20
97.	Dr. Chetna Chauhan	10	378
98.	Prof. Khyati Vachhani	3	24
99.	Prof. Bhavin Kakani	2	7
100.	Prof. D. M. Adhyaru	7	203
101.	Prof. J. B. Patel	4	47
102.	Prof. H. K. Patel	6	100
103.	Prof. S.A. Mehta	2	13
104.	Prof. V. Vaidya	1	1
105.	Prof. V. R. Tilva	1	4
106.	Prof. N. S. Patel	1	4
107.	Prof. A. K. Sharma	3	74
108.	Prof. A. I. Patel	2	12

109.	Prof. H. K. Kapadia	3	25
110.	Dr. Madhuri Bhavsar	5	120
111.	Dr. Gaurang Raval	3	24
112.	Dr. Ankit Thakkar	6	184
113.	Prof. Parita Oza	1	4
114.	Prof. Malaram Kumhar	2	13
115.	Prof. Sapan Mankad	1	4
116.	Prof. Dvijesh Bhatt	2	12
117.	Prof. Daiwat Vyas	2	12
118.	Prof. Payal Prajapati	1	11
119.	Dr Kunal Pathak	2	8
120.	Dr. Motilal Panigrahi	4	88
121.	Dr.K.Ambika	2	9
122.	Dr.Mahesh A Yeolekar	3	22
123.	Dr. Sandeep Malhotra	2	7
124.	Dr Richa Mishra	2	14
125.	Dr. Paramasivan S Vellala	1	3
126.	Dr. Priyanka Sharma	2	25
127.	Dr Samir K Mahajan	2	5
128.	Dr. Dhiren Pandit	1	3
129.	Prof. Vikas J. Lakhera	5	92
130.	Prof. Rajesh N. Patel	12	464
131.	Prof. Kaushik M. Patel	10	327
132.	Prof. Bharat A. Modi	1	20
133.	Prof. Reena R. Trivedi	4	38
134.	Prof. Bimal Kumar Mawandiya	1	4
135.	Prof. Absar M. Lakdawala	5	55
136.	Prof. Niraj K. Shah	2	14
137.	Prof. Sanjay V. Jain	7	254
138.	Prof. Nilesh D. Ghetiya	3	45
139.	Prof. Mitesh B. Panchal	8	140
140.	Prof. A. Madhusudan Achari	3	14
141.	Prof. Jatin M. Dave	2	12
142.	Prof. Vipul M. Bhojawala	2	15
143.	Prof. Ashish M. Gohil	2	93
144.	Prof. Mihir M. Chauhan	3	27
145.	Prof. Balkrushna A. Shah	1	8
146.	Prof. Dhaval B. Shah	4	120
147.	Prof. Shruti N. Mehta	1	10
148.	Prof. Tejas N. Raval	1	3
149.	Prof. Mayur A. Makhesana	2	3
150.	Prof. Darshit S. Upadhyay	2	22
151.	Prof. Hiren M. Prajapati	0	1
152.	Prof. Saumil H. Desai	3	18

Other publications (books, chapter in books, case studies, manual monograph, articles etc.**Books**

Sr.No.	Name of faculty member	Name of the book	Name of the publisher	ISBN Number	Year of Publication
1	Sudeep Tanwar, S K Singh & Sudhanshu Tyagi	Mobile Computing	Bhavya Publications	978-93-83992-25- 6	2017
2	Sudeep Tanwar, S K Singh & Sudhanshu Tyagi	Big Data Analytics	Bhavya Publications	978-93-83992-25- 8	2017

Books Chapter:

Sr. No.	Name of the Faculty Members	Name of the Book	Title of Chapter	Name of the Publisher	ISBN No.	Year of Publication
1.	Priyank Thakkar & Vijay Ukani	Smart Innovation, Systems and Technologies	Outcome fusion- based Approaches for User-based and Item-based Collaborative Filtering	Springer	978-3-319- 63673-3	2017
2.	Jayati Dave, Yusra Shaikh, Tarjani Vyas, and Anuja Nair	Smart Innovation, Systems and Technologies	MobiCloud: Performance Improvement, Application Models and Security Issues	Springer	978-3-319- 63673-3	2017
3.	Tanwar S, Tyagi S & Kumar S,	Intelligent Communication and Computational Technologies	The Role of Internet of Things and Smart Grid for the Development of a Smart City	Springer	978-981- 10-5523-2	2017
4.	Tanwar S, Ramani T & Tyagi S,	Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunication s Engineering,	Dimensionality Reduction using PCA and SVD in Big Data: A Comparative Case Study	Springer	978-3-319- 73711-9	2017

5.	Vijay Ukani, Priyank Thakkar & Vishal Parikh	Smart Innovation, Systems and Technologies	Routing Protocols for Wireless Multimedia Sensor Networks: Challenges and Research Issues	Springer	978-3-319- 63673-3	2017
6.	Gaurang Raval, Vijay Ukani & Sharada Valiveti	Smart Innovation, Systems and Technologies	Open Issues in Named Data Networking A Survey	Springer	978-3-319- 63673-3	2017
7.	Bhakti Sonawane, Dr. Priyanka Sharma	Intelligent computing and information and communication, Springer	Acceleration of CNN-Based Facial Emotion Detection Using NVIDIA GPU	Springer	978-981- 10-7244-4	2018
8.	Rupal Kapdi, Dr. Mehul Raval	Soft computing based medical image analysis	Deep Learning for Automated brain tumour segmentation in MRI images	Elsevier	128131748	2018
9.	Nishanth Patel, Ronak Kamdar, Paresh Padheriya, Nirav Panchani, Digesh D. Joshi and Paresh V. Patel	Managing Construction and Related Sectors - Challenges, Opportunities, Status and Trends (COST) in India, Volume-I - Issues in Construction Materials, Methods and Processes”	Experimental Study on Behaviour of Wet Precast Beam to Beam Connections (pages 58-66)	National Institute of Construction Management and Research (NICMAR).	978-93- 5268-179-2	2017
10.	Harsh Naik, Krishna Patel, Pareejat Shah, Rahul Pasawala, Tazeen Pathan, Hemang Dalwadi	Managing Construction and Related Sectors - Challenges, Opportunities, Status and Trends (COST) in India, Volume-II - Advances in Project, Real Estate and Infrastructure Management”	Identification and Prioritization of Accident Black Spots on NH147 using GIS (pages 504-513)	National Institute of Construction Management and Research (NICMAR	978-93- 5268-179-2	2017
11.	Harshit K. Kothari, Paresh V. Patel and	Advances in Concrete, Structural & Geotechnical Engineering	Behavior of Precast Portal Frame Subjected to Lateral	Bloomsbury	978-93- 87471-69-6	2018

	Digesh D. Joshi		Loading: An Experimental Study (pages 246-251)			
12.	Paresh V. Patel and Sunil D. Raiyani	Advances in Concrete, Structural & Geotechnical Engineering	Shear Strengthening of RC Beam using Stainless Steel Wire Mesh (pages 452-457)	Bloomsbury	978-93-87471-69-6	2018
13.	V. K. Singh and Paresh V. Patel	Advances in Concrete, Structural & Geotechnical Engineering	Strengthening of Axially Loaded Circular Concrete Column using Stainless Steel Wire Mesh (SSWM) - Experimental Investigation, Analytical Approach and Installation Guidelines (pages 843-848)	Bloomsbury	978-93-87471-69-6	2018
14.	Mayur Patel, Kush Patel, Akshay Patel, Ronak Prajapati, Vipul Vaniya and Utsav Koshti	Advances in Concrete, Structural & Geotechnical Engineering	Study of Sawdust Concrete Blocks Properties as Construction Materials (pages 403-405)	Bloomsbury India	- 978-93-87471-69-6	2018
15.	Dr. D. M. Adhyaru, Prof. A. K. Sharma	Part of the Smart Innovation, Systems and Technologies book fseries	A novel cross correlation based approach for handwritten Gujarati character recognition”	Springer	(SIST, volume 79).	2018
16.	Dr. J. B. Patel, Prof. A. I. Patel, Prof. H. K. Kapadia	Part of the Smart Innovation, Systems and Technologies book series	Industrial Internet of Thing Based Smart Process Control Laboratory: A Case Study on Level Control System”	Springer	(SIST, volume 84).	2017
17.	Rajesh N. Patel,	Conference Proceedings of the	Strategies for Producer Gas	Springer Proceedings	Print ISBN: 978-981-	2018

Darshit S. Upadhyay, Jayesh J. Barve, Hareesh V. Makwana	Second International Conference on Recent Advances in Bioenergy Research (ICRABR 2016)	Cleaning in Biomass Gasification: A Review (Chapter 9, Page Number 115-127)	in Energy, Springer Singapore	10-6106-6 Electronic ISBN: 978-981-10-6107-3
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Ongoing Research Collaboration/New Collaboration

- In Civil Department, as a part of collaboration with University of Victoria, Canada, M. Tech. student Ms. Riddhi Vora (16MCLC23) carried out her Major Project under the guidance of Dr. Rishi Gupta July 2017-May 2018. Also one collaborative research project is ongoing which is funded by IC-IMPACTS.
- In Civil Department, as a part of collaboration with CBRI, Roorkee, M. Tech. student Mr. Jigar Mokani (16MCLC26) carried out his major project work at CBRI, Roorkee during July 2017 - May 2018. Also, six students of B. Tech. Sem. VIII were placed at CBRI, Roorkee for their major project, as a part of collaboration.
- MoU with Mitsubishi Electrical India Pvt. Ltd. is signed on 19/02/2014. Under this MoU department is organising various training programs for academicians and/or personnel working in the industries. Department also received additional equipment (Robot trainer Kit worth Rs. 26,80,000/-) under the said MoU which is extended for three years in renewal.

Activities carried out during the year under existing MoUs:

Under MoU with Mitsubishi

- IC Department received “Robot trainer kit” worth Rs. 26,80,000/- from Mitsubishi Electric India Pvt. Ltd.
- 10 UG & 01 PG student carried out their dissertation using Mitsubishi FA training kits.
- Training program on “Factory Automation Learning Setup kit” was organized for faculty on 15/04/2017.
- Training programme on “Programmable logic controller” was organized on every Saturday & Sunday of 1st -31st July, 2017 for ITI, diploma EC/IC/Electrical/Mechanical students and fresher professionals working in the field of automation.

Awards and Recognitions (Institute/Department/Faculty)

1. Dr. Madhuri Bhavsar received ISTE best engineering college teacher award for the year 2017.
2. Dr. Dhaval Pujara received HEF Award in Association with JJT University for Academic Excellence from Higher Education Forum, Mumbai , India
3. Prof. P. N. Kapil was awarded by “Dronacharya Award" during the BAJA SAE India 2018 Competition organized by SAE (Society for Automotive Engineers) at NATRIP, NATRAX Facility, Pithampur (Nr. Indore), Madhya Pradesh, India for best faculty mentor to the student team in the e-BAJA.
4. Prof. A. N. Patel - “Best Educationist Award” by International Institute of Education and Management- New Delhi
5. Dr. Gaurang Raval has received Best SPOC Award by Infosys Ltd.

Research Awards/Prize/Schemes

Sr. No.	Name of Faculty Member	Recognition/ Honor/ Award	Reason	Name of Organization (from which it was received)
1	Dr. Femina Patel	National Award for Best M. Tech. Thesis in Chemical Engg. (1 st Prize)	As a guide for Best M. Tech. Thesis	ISTE
2	Dr. J. P. Ruparelia	National Award for Best M. Tech. Thesis in Chemical Engg (2 nd Prize)	As a guide for Best M. Tech. Thesis	ISTE
3	Prof. Neha Patni, Dr. Shibu G. Pillai	Best Presentation Award	Paper presentation titled Comparative study of electrolytes used in the synthesis of cocktail dye based dye sensitized solar cells in International conference on Energy and Infrastructure management	SPM, PDPU
4	Dr. Saurin Parikh	Secured second prize	Research Poster Presentation	8 th Annual Graduate Research Day of Florida Atlantic University, USA in May 2017.
5	Dr. Saurin Parikh	Scholarship award of \$500	Graduate Student Thesis and Dissertation Scholarship	Florida Atlantic University.
6	Dr. Saurin Parikh	Secured third place	Three minutes research competition	CEECS department of College of Engineering and Computer Science, Florida Atlantic University, USA in February 2017.

7	Dr. P. V. Patel and Dr. Sharad Purohit	EP NICOLAIDES Prize for Best Paper	Paper titled "Torsional strengthening of RC beam using GFRP composites" published in Journal of Institution of Engineers (India), Springer, Volume 97, Issue 3.	Institution of Engineers awarded by at 32 nd Indian Engineering Congress held at Chennai on 21 st December, 2017
8	Dr. U. V. Dave	1. Worked as Scientific & Technical Committee Member of Conference 2. Chaired Two Technical Session on Concrete Durability and High Performance and High Strength Materials 3. Attended the Meeting of International Affairs of CSCE (Canadian Society of Civil Engineers)	These activities were carried out as a part of Conference and the funding for this activity was availed through Research Project of IC Impacts	2017 CSCE (Canadian Society of Civil Engineers) Annual Conf. & 6th International Conf. on Engg. Mechanics & Materials organized by the Vancouver & Victoria sections and Western Region of the CSCE held at Vancouver, British Columbia, Canada
9	Prof. Dr. P. N. Tekwani and Prof. Dr. Siddharthsingh K. Chauhan	Received Prof. Muhammad H. Rashid Best Paper Award for Best Paper	Paper Titled Simulation As-Well-As Experimental Investigations on T-Type NPC Topology based Three- Level Shunt Active Power Filter"	IEEE International Conference on Technological Advancements in Power & Energy (TAP Energy 2017)
10	Dr. N. P. Gajjar	Received Fellowship of USD 1800	To participate as a Poster Presenter in GPU Technology Conference in San Jose California	NVIDIA Corporation California, USA
11	Prof Mayur Makhesana	International Travel Support award in Young scientist category	To attend ASME 2017, 12 th International Manufacturing Science and Engineering Conference (MSEC2017)	Science & Engineering Research Board (SERB)

			at University of Southern California, Los Angeles, USA during 04-08, June, 2017	
12	Dr S V Jain	Best Research Scientist	Overall Contribution in Activities of Research	Nirma University
13	Prof. B.A. Shah	Undergraduate Program Equipment Grant of \$3350	Development of Split AC Test Rig working on inverter technology & charged with environment friendly refrigerant R-32 as a laboratory equipment for engineering students	ASHRAE chapter

Patents

Name of the Faculty Member	Title of the Patent	Country	Year /Record of Patent Filing	Current Status
Prof. A. I. Patel Prof. H. K. Kapadia Prof. J. J. Barve Prof. D. Joshi Prof. P. V. Patel Prof. S. P. Purohit	“Automated Synchronized Crack Monitoring System”	India	Application No. 2959/MUM/2015	Patent Filed
Dr. Urmil Dave & Prof. Sonal Thakkar	A Novel Composition for Alkali Activated Paver Blocks and A Process Thereof	India	Application No. 201721021390 filed on 19/06/2017).	Patent Filed
Dr. D. M. Adhyaru Mr. Pallav Gandhi	“Smart Modbus based device”	India	Application Number: 3303/MUM/2015	Patent Filed
Dr. S.V. Jain Dr. R.N. Patel	Comparison of the Guide Vane Mechanism of Francis turbine and Pump as turbine	India	Application Number 201721025862 on 20/07/2017	Patent Filed

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

Revenue Generated in:

Financial Year	Consultancy	Testing	Training	Others
2017-18	Rs. 51.09 lacs	Rs. 10.99 lacs	Rs. 3.07 lacs	--
2016-17	Rs. 68.24 lacs	Rs. 24.06 lacs	Rs. 13.95 lacs	Rs. 3.00 lacs

Volunteer Teaching

- Nirma Volunteer Teaching Movement (NVM) has been started from September 2013. Under this activity, students from various departments teach in the village: Miroli (Nr. Bakrol Circle, SP ring road) in co-ordination with All India Rural Empowerment Program (AIREP) group. Every Saturday students regularly visit the village. The beneficiaries are around 80-100 kids of standard III to VIII.
- Nirma Volunteer Teaching Movement (NVM) organized a programme called, “Safar: from Miroli to Ahmedabad” on 31st March 2018. In the programme 63 kids of Miroli Village were invited to the campus and various activities like quiz, drawing competition, talent show, etc., were arranged for them.

Social Awareness

- The third dose of the vaccination for Hepatitis B and Typhoid was completed on 19th April 2017.
- The representatives of ISA Students’ Chapter, Institute of Technology, Nirma University visited Tragad Prathmik School and organised a social event on 26th August, 2017. The motive of the whole event was to spread awareness among the kids about common diseases and their preventive methods which was mainly focused on the recent proliferation of ‘Swine Flu Disease’ into the city.
- The members of ISA Students’ Chapter, Institute of Technology, Nirma University conducted an interactive and awareness event at Apang Manav Mandal, IIM Road on 10th September, 2017. The subject of the event was to disseminate awareness among people about mosquito-borne disease and Swine Flu, the symptoms and its prevention.

Reaching to the Needy

- Chemical Engineering Student Association (ChESA) organized cloth and book donation drive during 9th -11th October 2017. Collected materials were distributed at the slum area near Gota, Ahmedabad.

Academic Support

- Mechanical Engg. Student Association (MESA) and SAE have jointly organized the AUTOCALYPSE 2017 on 26th -27th August, 2017. Total 241 students from 16 schools participated in the event. The event was inaugurated by Shri Anup Kumar Singh, Commissioner of Police. In this programme, high school children were provided first-hand knowledge on automobile and robotic. This was the 7th event in a row since 2010.
- Instrumentation Control Department organized a One Day workshop on 3rd March 2018 for the students of ITI, Saraspur as an extension activity. Training on Microcontroller and IoT was provided to 52 students & 1 faculty members of ITI, Saraspur by department faculty members.

Foundation Day Activity (3rd October 2017)

- ChESA celebrated the Foundation Day of the Institute by arranging a programme called “Roshani”. In this programme, the visit of slum kids on the campus was arranged and craft related activities were organized.
- Electrical Engineering Student Association (EESA) has organized event called “Big Brother” on foundation day. In this programme, Nirma University construction site worker’s children were called on the campus and the EESA students arranged the motivational videos and stories for them.
- On the occasion of Foundation Day, the student chapter of Electronics & Communication

Organization had planned a visit to the Vishwa Jyoti Vaanprasthasram (Old Age Home). The main idea behind this was to produce a social impact and instill a sense of gratitude towards that section of society which is often neglected.

- Civil Engineering Department and OrCES (Organization of Civil Engineering Students) jointly organized an extension activity “SETU” on 03rd October, 2017 as a part of Foundation Day celebration at Institute of Technology. Socially underprivileged kids from PSP and the labour colony behind Nirma University had been called upon to spend time with the students. A total of 48 children attended this event.

Other activity:

- Members of Electronics and Communication Organization (ECO) organized a sweet distribution ceremony on the occasion of Diwali (October 2017). About 230 boxes of sweets were distributed among the helping staff including sweepers, peons and gardeners.
- NSS unit of ITNU together with YOU-NEED, a student based organization organized “Special Olympics” on 3rd Feb 2018 where in 72 special kids with intellectual disabilities along with 8 officials were invited to Nirma University to promote the value of games and sports and make them realize the importance of being independent. The kids were provided with refreshments during the programme.
- Centre for United Nations is a major group organization with United Nations - sustainable development. It conducts national-level programs focused on implementing United Nations initiatives in an Asian and Indian context. RIO India programs (2012-2022) is its flagship program. It is India’s widest National level co-curricular program for school & college students. RIO programs focus on UN initiatives in accordance with RIO+20 outcome document. RIO+24 WHS India Certification Program is a short-term co-curricular course study for Indian students. This year the program focusses on key themes of WHS 2017: From War to Peace, Engineering & Technology of War, Climate & Environment of War, Art & Culture of War etc. This year 67 students from the Institute have registered for the program. Prof. Neha Patni is co-ordinator of the programme.

New MoUs signed/Collaborative activities done related to MoUs/tie-ups with other organization

- Dr Alka Mahajan, Director IT visited Binghamton University, University of Georgia at USA and Carleton University, Canada. Following the visit MOUs were signed with all the three universities.
- MOU was also signed for Preapproved MS programme with Binghamton University.
- Coventry University, UK
- Wolkite University, Ethiopia (Applicable to all institute)
- Changwon University, South Korea (Applicable to all institute)
- University of Wyoming, USA (Applicable to all institute)

MoU Related Activities (April 2017 to March 2018) or Linkages with national/international academic/research bodies:

International

The Centre for Entrepreneurship initiated an MOU between Nirma University and Wadhvani Operating Foundation (WOF), an institutional body under National Entrepreneurship Network (NEN) to offer “Minor Specialization in Entrepreneurship” at Nirma University on 10/08/2017. It was signed

for developing best practices on entrepreneurship and to strengthen the entrepreneurship ecosystem across the campus. Under this MOU, Institute of Technology has started new course “Minor Specialization in Entrepreneurship” for the students of ITNU. By this MOU, Nirma University has access to NEN resources including online courses, entrepreneur videos, and mentor connect, entrepreneur support services, webinars and clinics for entrepreneurs etc.

Sr. No	Name of the University	Activity
1	Florida Atlantic University	<ul style="list-style-type: none"> ➤ Four students (Zeel Shah, Ketan Tewari from Mechanical Engg and Harsh Patel, Sagar Vegad from CSE dept) went to FAU for summer research internship from May 21, 2017 to July 7, 2017. ➤ Dr Saurin Parikh from CSE department got PhD degree from FAU in December 2017. Dr Saurin resumed his duties at ITNU from January 2018.
2	Director ITNU’s visit to US and Canada	<ul style="list-style-type: none"> ➤ Dr Alka Mahajan, Director, ITNU visited US and Canada for collaboration with Binghamton University, University of Georgia, Carleton University, University of Massachusetts at Lowell, Boston, WPI, University of Ottawa, Seneca College, University of Waterloo, MIT and Northeastern University.
3	Scottish Universities	<ul style="list-style-type: none"> ➤ Dr Mehul R Naik, IT-NU represented NU to the meeting with Scottish Universities in Mumbai at Hotel Taj Palace on December 4, 2017 with following objective: <ul style="list-style-type: none"> ○ <i>To represent NU at the forum;</i> ○ <i>To explore collaboration with Scottish Universities</i>
4	Grand Challenges Scholar Program (GCSP)	<ul style="list-style-type: none"> ➤ Dr Mehul R Naik and Dr Abhijit Pandya attended the session on GCSP organized by National Academy of Engineering and USC in Bangalore on December 14, 2017 and submitted Nirma University’s proposal to be a part of GCSP network.
5	SUNY Binghamton, USA	<ul style="list-style-type: none"> ➤ Representatives from SUNY Binghamton visited Nirma University on 2nd February to discuss and enhance the possibilities of collaboration for MS Program and B. Tech. 6th semester students’ Summer Internship. ➤ Three students from ITNU (Jugal Shah, Tadrush Desai, Jeet Swadia) joined SUNY Binghamton for summer Internship from 21/05/2017 to 06/07/2017
6	University of Southern California, USA	<ul style="list-style-type: none"> ➤ Dr. Raghu Raghavendra, Vice Dean for Global Strategies visited Nirma University on 13th and 14th March 2018, and the following meetings/sessions were held: <ul style="list-style-type: none"> - Meeting with VP, DG, Hon. Director (A&GA), Exe Registrar - Meeting with Dr. Alka Mahajan, Director – ITNU - Meeting with all HoDs – ITNU - Meeting with Dr. Purvi Pokhariyal – Director ILNU, Dr. Manjunath Ghate – Director IPNU, Dr. Utpal Sharma – Director IAPNU, and Dr. Dhaval Pujara, Director – RI - Delivered an expert lecture to Research Scholars from circuit Branch. - Conducted an informative session on USC to B.Tech 6th semester student. - Discussed MoU terms various collaborative activities and joint research.

7	Carleton University, Canada	<ul style="list-style-type: none"> ➤ Dr. Banu Ormeci, Research Professor from Carleton University visited Nirma University on 10th and 11th November 2017 and the following activities were held: <ul style="list-style-type: none"> – Delivered a lecture on various topics for faculties and students of the institute. – Visited nearby villages for potential sites for implementation of waste water projects. ➤ Dr. Pauline Rankin, Associate vice president (Research and International), from Carleton University visited Nirma University on 10th and 11th November 2017 and participated in the following activity: <ul style="list-style-type: none"> – Discussion held regarding joint social innovation program for Carleton and Nirma students. ➤ Mr. Harry Sharma, Manager, Carleton University visited Nirma University on 10th and 11th November 2017 and participated in the following activity: <ul style="list-style-type: none"> – Discussion held regarding joint social Innovation program for Carleton and Nirma students ➤ Students group from Carleton to visit ITNU in August on social innovation project
8	University of NewCastle, Australia	<ul style="list-style-type: none"> ➤ Delegation from University of New Castle visited ITNU for collaboration discussion on February 2, 2018.
9	CIWGC and PIO admissions	<ul style="list-style-type: none"> ➤ Dr Mehul R Naik visited Singapore (Sept 2017), Kuwait (Dec 2017), Kenya, Tanzania, Uganda (March 2018) for CIWGC and PIO admissions and collaboration

IV. Infrastructure and Learning Resources

Computer systems and peripherals worth Rs.,1,87,91,162 /- in different department have been purchased, the summary of which is given here below:

Wi-Fi facility was further enhanced **and 75 access** points were added at new building.

Internet Bandwidth has been upgraded from **332Mbps to 432Mbps for the entire campus.**

Details of Computer Systems and Peripherals purchased during 2017-18

Sr. No	Dept	Item Description	Unit Rate	Qty.	Total Amount	Purchase date / Bill no
1.	CE	FIBER MODULE - GIGABIT (SINGLE MODE) DLINK MODEL : G0XS-1312-20D	1325	30	39750	R/0289 dtd.30/07/2017
2.		4GB DDR3 RAM	1700	112	190400	S/805 dtd.01/03/2018
3.		2GB DDR2 RAM	500	55	27500	S/805 dtd.01/03/2018
4.		2GB DDR2 RAM	500	70	35000	S/806 dtd.01/03/2018
5.		VIDEO PROJECTOR MAKE: EPSON EB-X31	35200	1	35200	22/1/2018
6.		4GB DDR3 RAM Lata Gohil	2800	1	2800	S/643 dtd.26/01/2018
7.		HP LaserJet Pro 403dn	33250	2	66500	S/916 dtd.30/03/2018
8.	CL	4GB DDR3 RAM	2773	1	2773	S-455 dtd.17/11/2017
9.		HDMI to VGA Converter box	1100	1	1100	S-833 dtd.08/03/2018
10.		CAT6 Patch Code	300	1	300	S-844 dtd.14/03/2018

11.		UPS APC (600 V)	2832	1	2832	S-456 dtd.17/11/2017
12.	EC	Nvidia Jetson TK1 Development Kit	25488	1	25488	112 dtd.05/02/2018
13.		Pynq Z1 Python Kits	31601	2	63202	SIDI17001752 dtd. 22/02/2018
14.		Nvidia Jetson TX1 Development Kit	61346	1	61346	SIDI17001753 dtd.22/02/2018
15.	GA	Networking Items for New Building AS per Annexure I			5426991	2017-18
16.		Purchase of Printer for Exam	48750	1	48750	S/879 dtd.21/12/2017
17.		Purchase of printer for Different blocks	33250	3	99750	S/916 dtd.30/03/2018
18.		Purchase of Fiber cable	49140		49140	AB2BG120 dtd.19/09/2017
19.		Purchase of computer systems	41250	112	4620000	S/922 dtd.31/03/2018
20.		Single Mode Siper SFP modules	1325	30	39750	289 dtd.30/06/2017
21.	IC	4 GB DDR3 RAM	1700	1	1700	S/823 dtd.07/03/2018
22.		Speaker Set	750	1	750	S/650 dtd.13/01/2018
23.		Portable USB Hard- Disk	4650	1	4650	S/841 dtd.13/03/2018
24.	IT	4GB DDR3 RAM	1700	76	129200	S/807 dtd.01/03/2018
25.		2GB DDR2 RAM	500	8	4000	S/807 dtd.01/03/2018
26.	ME	Lan Cables	-	7	1000	269 dtd.22/7/2017
27.		Mouse Pad	15	30	450	269 dtd. 22/7/2017
28.		VGA Splitter Switch	500	3	1500	12 dtd. 07/04/2017
29.		HDMI to VGA Converter box	550	2	1100	12 dtd.07/04/2017
Total of Computer systems and Peripherals					10982922	

Details of Computer Software Purchased in FY 2017-18

Sr. No	Dept	Item Description	Unit Rate	Qty.	Total Amount	Purchase date / Bill
1.	CE	MS Office 2016	3585	6	21510	LTG/000937/17-18 dtd. 30/03/2018
2.		Firewall Subscription	113799	1	113799	dtd.18/07/2017
3.		Maintenance of Nirmauni.ac.in website for One year	133106	1	133106	dtd.05/02/2017
4.		Web Hosting charges on dedicated on branded server (Windows Platform)	162840	1	162840	R17180221 dtd.10/07/2017
5.		Turnitin 2017	576966	1	576966	19-RN/IGIPL/2017-2018 dtd. 04/07/2017
6.		WATCHGUARD XTM-1050 RENEWAL	113799	1	113799	LSG/000021/17-18 dtd.26/07/2017
7.		Trans Super Saver (R) Bulk SMS Package	13800	1	13800	MILPL/S/2053/2017-18 dtd.29/06/2017
8.	EE	NEPLAN Software - Power System Toolbox for Education & research	NA	1	460200	1731000695 Dtd.12/09/2017

		(Perpetual license, 25 Users, campus-wide unlimited node version V 558)				
9.		MS Windows 10 Prof. 64 Bit OEM	10300	4	41200	S / 365 dtd. 15/10/2017
10.		MS Office 2016 standard Edition (Academic)	3871	1	3871	17-18 /Oct /00099 dtd. 23/10/2017
11.	IC	Windows 10 Prof. OEM 64	9912	1	9912	17-8/DEC/000149 dtd.19/12/2017
12.		Windows 10 Prof. OEM 64	9912	2	19824	17-18/MARCH00039 dtd.03/07/2018
13.	M&H	Words Worth English Language Lab Software	150000	1	150000	355/WW/TI/17-18 dtd.28/03/2018
14.	ME	Techplot Academic Suit Node Locked License	192000	1	192000	INV/OS/17-18/049 dtd.07/03/2018
15.		Techplot Academic suit single user perpetual	90250	3	270750	INV/OS/17-18/049 dtd.07/03/2018
Total Software					2283577	

Networking Items purchase for New Building in FY 2017-18

Sr. No	Item Description	Unit Rate	Qty.	Bill Date	Bill No.	Total Amount
1.	CAT 6 Cable (For CCTV Camera) As per Annexure -2	30000 Mt	15.39	29/06/2017	50	97,672
2.	Loaded 1U Patch Panel (CAT 6) As per Annexure -2	36	4025	27/06/2017	49	127,287.00
3.	CAT 6 A Cable (For Desktop / Wi-Fi Access Point) As per Annexure -2	80000 Mt	21.21	09/05/2017	21	225,517
4.	CAT 6A UTP JACK (For Patch Max Panel and I/O) As per Annexure -2	1320 Nos.	269	14/06/2017	38	377,162
5.	24 port Patch Panel for CAT 6 A cable Unloaded As per Annexure -2	55	677	23/06/2017	48	1,309,749
6.	Floor standing Network Rack 20U (For LAN/WAN) As per Annexure - 2	32	13438	28/04/2017	R-103	768,835
7.	Floor standing Network Rack 42U (For LAN/WAN) As per Annexure - 2	1	22700	18/09/2017	GST/054/17-18	190,817
8.	Wall mounting Network Rack 6U (FOR CCTV) As per Annexure -2	32	3320	05/12/2017	GST/153/17-18	907,881
9.	Information Outlets with face plate with back cover Single I/O box CAT 6 for camera As per Annexure -2	400	237	30/11/2017	GST/145/17-18	1,220,524
10.	Information Outlets face with plate with back cover Single CAT 6 A for Wi-Fi access points and LAN connections As per Annexure -2	300	308	27/12/2017	GST/180/17-18	299,219
					Total	55,24,663

Library-Learning Resources Added

The library during the year made significant progress in several areas.

- During the year (April 17 – March 18) 1089 books (worth of Rs.7, 61,952.00/-) were added to the Library and presently it has a collection of 58,131 books.
- It also received 214 journals and magazines (worth of Rs.5, 92,638/-) – 201 national and 13 international – in areas of Engineering, English, Mathematics, General Reading, etc.
- We have subscribed more than 5 e-journals and 1 online database (worth of Rs.1,31,69,626/-) of IEL Online, ASCE, ASME, Science Direct, ACM Digital and SCOPUS.
- We have subscribed EBSCOHost eBook collection (Worth of Rs. 2,44,963/-)
- The Library issued 56, 014 books and other documents to its members during the year and 95,345 users walked into the library during the year.
- The Library Resource Center provided book bank facility to the students of Institute of Technology. The main purpose of this service was to help the needy meritorious students. The book bank has a separate collection of 4, 719 books other than the library books. During the year, 393 students availed this facility and borrowed 1998 books from this collection.
- We have added many faculty publications (Conference papers, journal articles etc.), M.Tech. Dissertations, PH.D. Theses, Event Photo-albums in the Institutional Repository that we have created by using DSpace Open Source Software.
- We have created a Google Site for accessing previous years Exam Papers, Content pages of Print Periodicals and Newspaper Clippings. Now Students, Faculty and Staff Members can easily access Exam Papers, Content pages of Print Periodicals and Newspaper Clippings through their Nirma University e-mail ID from anywhere.
- Library launched “Nirma University” android mobile app. Through this app user can access their library account, Exam papers, Content Page service, New arrivals, Remote login facility, etc.
- Library has purchased Remote Login Software for accessing NU’s e-resources outside the campus. Faculty members and Ph.D., PG & Final Year 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 187 Faculty members, 341 PG students, 153 UG students and 41 Ph.D. students are using this facility.
- Activities
 - TED Talks
 - Books Display on the occasion of World Book Day, Gujarati Books display on the occasion of Gujarat Gaurav Divas, Travel the World through Books, Stephen Hawkings.
 - Library Awareness Program for New Faculty Members.
 - Author Interaction: Finite Element Methods: With Applications in Engineering by Y. M. Desai (Civil Department)
 - Training Session - IEL (IEEE/IET Electronic Library) Online for First year M. Tech students.
 - Storytellers Sessions

Laboratory Facilities: Major Additions**Chemical Engineering**

Sr.No.	Name of Equipment	Qty	Date of Purchase	Amount Rs.
1	Digital Electronic Weighing Balance	1	Bill No. 6/PRS/2017-18 dtd.25-OCT-17	Rs 40,448.00
2	Digital Electronic Weighing Balance	1	Bill No : 22/PRS/2017-18 Bill Dt : 22-JAN-18	Rs 37,288.00
3	Flue Gas Analyser	1	Bill No : BA/17-18/206 Bill Dt : 03-MAR-18	Rs 3,88,766.00
Total Expenditure				Rs. 4,66,502.00

Civil Engineering

Sr. No.	Name of Equipment
1	Concrete Drilling Machine
2	Ultrasonic Pulse Velocity Meter Lab+
3	Specific Gravity Testing Machine
4	Micro Controller Based Compression Testing Machine with Auto Pace Controller (3000 kN Capacity)
5	Micro Controller based Colony Counter
6	Membrane Filtration Assembly SS
7	Digital Odometer (Consolidation Test Apparatus)
8	Load Cell Indicator
9	Welding Machine

Electronics & Communication

Sr.No.	Name of Equipment /Software	Qty	Rate/item	Total Amount
For UG				
1	DC Regulated Single power supply	9	7579.12	68,212.08
2	Microwave Test Bench X Band	2	60178	1,20,356.00
3	Fiber Optic trainer kits	2	50445	1,00,890.00
4	Multisim Software (10 user)	1	332845.00	3,32,845.00
For PG				
1	Python Productivity for Zynq PYNQ-Z1 with accessories	2	31601	63,202.00
2	NVIDIA Jetson TK1 Development Kit with accessories	1	25488	25,488.00
3	NVIDIA Jetson TX1 Development Kit with accessories	1	61346	61,346.00
4	Xilinx SD SoC Software	1 (25 user)	100300	1,00,300.00
Total				7,10,993.08

Instrumentation & Control

Sr No	Item Description	Qty	Purchase date	Unit cost Rs
1.	Digital Multimeter with data logging features using PC	1	19/09/2017	1,12,690/-
2.	Power electronics trainer for multiple experiments	4	30/01/2018	31,860/-
3.	Theorem's and law trainers	8	31/08/2017	7,000/-
4.	LPC2148 Evaluation Board	2	07/09/2017	18,526/-
5.	Sensor laboratory trainer	1	04/12/2017	45,696/-
6.	Magnetic Levitation system	1	26/03/2018	5,91,836/-
Total				8,07,608/-

Mechanical Engineering

Sr No	Equipment/Software	Cost
1	Thermal Imager	Rs.3,00,000/-
2	Software OPERISOFT SOLUTIONS LLP	Rs. 4,95,895/-

V. Student Support and Progression

Cut –off Percentage Marks- Category Wise

B.TECH. FIRST YEAR ADMISSION CUT-OFF 2017

1. 35% ALL INDIA CATEGORY

<u>BRANCH</u>	<u>First Admission</u>		<u>Last Admission</u>	
	<u>ITNU Merit No.</u>	<u>JEE (MAIN) 2017 All India Rank</u>	<u>ITNU Merit No.</u>	<u>JEE (MAIN) 2017 All India Rank</u>
Computer Engineering	19	4808	426	23293
Information Technology	249	17645	787	33125
Mechanical Engineering	50	7130	1052	38980
Chemical Engineering	182	15113	2219	68237
E.C. Engineering	401	22662	1712	54955
Electrical Engineering	657	30093	1992	62201
Civil Engineering	33	5992	2973	89195
I. C. Engineering	1457	48807	3000	90222

2. 15% NRI / NRI SPONSORED CATEGORY

<u>Branch</u>	<u>First Admission</u>		<u>Last Admission</u>	
	<u>ITNU Merit No.</u>	<u>JEE (MAIN) 2017 All India Rank</u>	<u>ITNU Merit No.</u>	<u>JEE (MAIN) 2017 All India Rank</u>
Computer Engineering	NRI-36	-	NRIS-32	36205
Information Technology	NRI-73	-	NRIS-96	60529
Mechanical Engineering	NRI-14	-	NRIS-212	95203
Chemical Engineering	NRIS-135	70963	NRIS-626	323171
E.C. Engineering	NRIS-123	68782	NRIS-260	112862
Electrical Engineering	NRIS-239	104674	NRIS-563	276730
Civil Engineering	NRI-63	-	NRIS-609	311075
I. C. Engineering	NRIS-283	120318	NRIS-798	544822

3. 50% ACPC CATEGORY

<u>BRANCH</u>	<u>ACPC Merit Rank 2017</u>							
	<u>OPEN</u>		<u>SC</u>		<u>ST</u>		<u>SEBC</u>	
	<u>First</u>	<u>Last</u>	<u>First</u>	<u>Last</u>	<u>First</u>	<u>Last</u>	<u>First</u>	<u>Last</u>
Computer Engineering	159	466	1774	2672	12999	34782	710	1079
Information Technology	353	868	3400	5516	7405	41803	1184	2268
Mechanical Engineering	119	3401	1284	3966	4548	40389	1103	4006
Chemical Engineering	875	10958	6804	6844	-	-	1851	4249
E.C. Engineering	935	6231	10095	10626	-	-	4457	9833
Electrical Engineering	686	10816	4651	10608	20448	40483	3424	8182
Civil Engineering	520	19518	4893	8097	12917	39663	4150	8668
I. C. Engineering	2669	13644	9809	-	-	-	8268	10781

M.TECH

Sr. No	Branch	Sub Branch	<u>CUT-OFF</u>				<u>Admissions</u>		<u>Total Admissions</u>
			<u>GATE</u>		<u>NON-GATE</u>		<u>GATE</u>	<u>NON GATE</u>	
			<u>First</u>	<u>Last</u>	<u>First</u>	<u>Last</u>			
1	Civil	CASAD	562	366	32	27	11	07	18
2	Computer	CSE	451	367	38	28	06	12	18
		INS	434	381	30	22	02	16	18
		NT	385	-	29	15	01	17	18
3	Electronics & Comm.	COMMU	434	-	37	16	01	17	18
		EMBEDDED	438	387	30	19	02	16	18
		VLSI	455	374	37	25	06	12	18
4	Mechanical	CAD/CAM	462	380	31	23	06	12	19*
		DESIGN	528	412	32	23	02	16	18
		THERMAL	511	373	32	22	08	10	18
5	Electrical	EPS	554	448	31.75	20.25	02	16	18
		PEMD	498	--	23	10	01	09	10
TOTAL									209

* include one student admitted under CIWGC category

MCA -2017-18

Admission through ACPC

Sr. No.	Branch	CMAT CUT-OFF (CMAT Score)		Total Admissions
		First	Last	
1	MCA_SEM-1	168	9	50
2	MCA_SEM-3 (Lateral Entry)	176	46	21
Total				71

Admission on Vacant seat

Sr. No.	Branch	CMAT CUT-OFF (CMAT Score)		Total Admissions
		First	Last	
1	MCA_SEM-1	134	09	08
Total				08

Student Achievements

1. Poojan Parikh(14BCE086) was certified with “AWS Certified Solutions Architect Associate” by Amazon Web Services on 8th April, 2017.
2. Poojan Parikh(14BCE086) was certified with “AWS Certified Architect Professional” by Amazon Web Services on 8th July, 2017.
3. Kinjal Rathod(12BCE076) won Google India Challenge Scholarship for Android Developer Track on 7th February, 2018.
4. Vatsal Dave (15BCH063) and Shobhit Sharma (15BCH055) won 3rd Prize with a cash prize of Rs. 15,000/- in Poster Presentation at Student Outreach Programme during CHEMTECH World Expo 2018 in Gujarat.
5. Darshana M. Poshya won 1st Prize for Best M. Tech. Thesis in Chemical Engineering from ISTE-IPCL M.Tech. Thesis Award in Chemical Engineering for 2017.
6. Parwathi Pillai (15MCHE05) won 2nd Prize for Best M. Tech. Thesis in Chemical Engineering from ISTE-IPCL M.Tech. Thesis Award in Chemical Engineering for 2017.
7. Rishit Sojitra (16BCL178) has been appointed as a city head of Ahmedabad and has been certified as an authenticated City Representative of Indian Road Safety Campaign (IRSC). He is certified to handle following operations in Ahmedabad city:
 - To collaborate with colleges on behalf of IRSC.
 - To collaborate with school authorities and conducting specified events in schools.
 - To study road safety problems and collaborate with authority for implementation of solution for that problems.
 - To conduct ground level events in city on behalf of IRSC.
8. The Centre for Entrepreneurship held Business plan competition at Institute of Technology on 18th November 2017. Students of Civil Engineering Department (Team GEO) consisting of Abbas Bohra (14BCL002), Mehmood Abbasi(14BCL003), Ayaz Mansuri (14BCL011), Ayush Gupta (14BCL012), Krishna Patel (14BCL052) have secured 1st prize with cash prize of Rs. 1000/- for topic Alkali activated concentrate with polypropylene fibers with variations in source material at ambient curing.

9. A group of students from Semester IV, Amay Gupta (16BCL022), Reet Chanduka (16BCL042) and Dipankar Nigam (16BCL053), won the second place and a cash prize of Rs. 12,000/- in the UltraTech Sparkling Star competition organized by UltraTech Cement Ltd. on 10th February, 2018.
10. Prasannakumar Salasiya (14BCL127) scored 83 marks in GATE - 2018 and secured 44th All India Rank (AIR).
11. Karan Shah (16BEC071), Stuti Garg (16BEC103) and Vivek Talwar (16BEC122) stood first at TATA Crucible Hackathon, The Haystack Mathematician Challenge (a part of open innovations challenges of the TATA group) on 16/03/2018.
12. Abhishek Dubey was featured in Ahmedabad Mirror for Designing, Smartphone Based Spectrophotometer
13. Harsh Agarwal and Abhishek Dubey got 1st Prize in Innovative Project Competition during Vibrat Gujarat Summit 2017 held by Govt. of Gujarat in September 2017.
14. Harsh Agarwal & Abhishek Dubey won 1st Prize in Business Plan Competition organized by DAIICT IEEE Students Section.
15. Mitrajsinh J. Chudasama got First Prize for Best Paper Award at International Conference on Technological Advancements in Power and Energy, Amrita University, Amritapuri, Kerala.
16. Yuvraj Patel got Internship from University of Pretoria, South Africa.
17. Chirayu Rajpurohit, Kandarp Chaudhary, Tarun Singhal achieved All India 4th Rank & 3rd in Endurance Test in BAJA SAE E ATV (Electric All Terrain Vehicle) 2018 BAJA SAE India 2018 Competition organized by SAE (Society for Automotive Engineers), India in January 2018.
18. A team of IC department students won a National level Automation Competition for Students organised by Mitsubishi Electric India Pvt Ltd. and got Second prize worth Rs. 75000/-
19. Under the auspices of SAE Chapter, students of Mechanical Engineering Department design & fabricate All Terrain Vehicle (ATV) and regularly participate in National Level BAJA competition and won many prizes in different category. In 2018, Team Stallions grabbed the overall third position for m-BAJA and won Rs. 75,000 cash prize amongst 150 national teams. Team Stallions grabbed the first position for m-BAJA and won Rs. 1,00,000 cash prize, dominating the most gruelling Endurance Test. The e-BAJA buggy secured 3rd position in the endurance event.
20. Gitanj Sheth (13BME113) has secured 9.86 percentile in CAT 2017.
21. Nirma University Team (Shreejit Nair, 3rd year B.Tech student and Kuldip Lakhani, 2nd Year M.Tech student) win 3rd prize (Rs.10000 cash prize) in QUIZO-2018, a technical quiz competition between 24 teams from premier engineering colleges in Gujarat and Indore organized on 11/3/2018, at Ahmedabad Textile Mill Owner's Association (ATMA Hall), Ahmedabad by ASHRAE WIC.
22. Abhishek Jain, Students of B.Tech. (Mechanical Engineering) Semester VI has secured first rank in National Level Table Tennis Tournament - Shaurya'17 held at IIM, Ahmedabad during October 8-10, 2017.

Student Clubs in the Institute – Activities

Institute of Technology has established different students' organizations and chapter of technical societies. These associations provide platform for students to showcase their engineering talents, business acumen, and practical know-how of fundamentals, along with their innovativeness. Different co-curricular and extracurricular activities were organized throughout year 2017-18. All associations have arranged institute level activities encompassing sports, quizzes, workshops, fun zone etc.

The activities undertaken by student organisations includes Department level activities, activities during Foundation Day and National Symposium, NU-TECH.

Firstly, summary of activities are given, followed by details of activities conducted by student organisations.

Summary of Activities

1. Department Level Activities

Sr. No.	Name of the Club	Name of the Department	No. of Activities
1	CHESA	Chemical Engineering	1
2	OrCES	Civil Engineering	3
3	CSI	Computer Engineering	2
4	ACES	Computer Engineering	2
5	ECO	Electronics and Communication	1
6	EESA	Electrical Engineering	4
7	ISA	Instrumentation and Control	3
8	MESA	Mechanical Engineering	3
9	ISTE	IT-NU	3
10	Rotrtract Club	IT-NU	1
11	iL2	IT- NU	1

2. Foundation Day Activities (3rd October 2017)

Foundation Day Celebration	No. of Activities
Extension Activities	12

3. NU-TECH 2018 (7th & 8th March 2018)

Type of Event	No. of Events
Technical Events	34
Technical Workshop	11

Department Activities

Civil Engineering (OrCES) :

- Organization of Civil Engineering Students (OrCES) has organized farewell function for passing out students of B. Tech Sem. VIII on 05th May, 2017 at Hotel Marutinandan.
- Organisation of Civil Engineering Students (OrCES) has organized National Symposium NIRMAN'17 for civil engineering students on 30th and 31st August 2017.
- Organisation of Civil Engineering Students (OrCES) arranged a 'Flood Relief Initiative' on 01st & 02nd August, 2017, in which people from all across Nirma were asked to donate clothes, food and grains for helping the ones who're affected by the flood.

Computer Engineering:

CSI:

- Computer Society of India (CSI) organized BLITZKRIEG'17 for computer engineering students on 28th and 29th August, 2017 at Nirma University campus.
- Computer Society of India (CSI) has organized annual event for the student of CE and IT branches of First and Second years on 18th and 19th January 2018.

ACES:

- Association of Computer Engineering Students (ACES) has conducted technical quiz "TECHNOQUIZ" for undergraduate students on 1st February 2018.

Electronic and Communication (ECO):

- Electronic and Communication Organization (ECO), the student association of EC department has organized "ECO DAY" to commemorate the foundation of ECO on 29th September 2017 for all the students of EC department.

Electrical Engineering (EESA)

- Electrical Engineering Student Association (EESA) organized ProCB event on 29th July 2017.
- Electrical Engineering Student Association (EESA) organized various technical events as a part of Scintilla.17 during 07th - 08th November, 2017.
- As a part of Extension activity EESA arranged session for std 10 students comprising of discussion on basics of electromagnetics, electrostatic and their application in real life on 5th August 2017 at Prakash Higher Secondary School, Ahmedabad.

Instrumentation and Control (ISA)

- ISA student's chapter of Instrumentation and control department conducted one day workshop on 18th November 2017 for IC students at Nirma University campus.
- ISA student's chapter of Instrumentation and control department celebrated Teacher Day on 5th September 2017.
- ISA student's chapter organized an extension activity at Tragad Govt. Primary School, Ahmedabad. In this activity a group 25 students taught to students of Tragad Govt. Primary School on every Saturday.

Mechanical Engineering (MESA)

- Mechanical Engineering Students Association (MESA) organized various technical events as a part of Praveg-17 during 04th - 05th October, 2017.
- Mechanical Engineering Students Association (MESA) organized "Astronomy Workshop" for IT NU students on 17th March 2018.

Chemical Engineering (CHESA)

- Chemical Engineering Students Association (CHESA) Organised CHESA Day on 06/09/2017.

ISTE

- ISTE student's chapter organized "FRESHERS FLAIR" during August 2017 for undergraduate students.
- ISTE student's chapter organized two days workshop "FRESHERS FLAIR" on 1st and 2nd September 2017.
- ISTE student's chapter organized two days various technical and non-technical events as a part of IFEST'17 during 09th - 10th October, 2017.

Rotraract Club

- Rotraract Club of Nirma Institutes organized one day event "Rangmanch" on 24th January 2018 for Institute of technology students.

Invincible Leaders' League (iL2)

- Invincible Leader's League organized Non-Technical event "Beg Borrow and Steal" on 10th August 2017 for first year under graduate students.

Foundation Day Celebration (03rd October 2017)

Students club of the department organized extension activity on 03rd October, 2017 as a part of Foundation Day celebration at Institute of Technology, Nirma University. All the activities organized by the clubs are listed below:

Sr. No.	Name of the Club	Name of the Department	Type of Activities
1	CHESA	Chemical Engineering	Roshini- Arranging an educational cum fun activity for the kids living in nearby besties.
2	OrCES	Civil Engineering	Drawing workshop for children living in labour camp
3	CSI	Computer Engineering	Online Codeathon
4	ACES	Computer Engineering	Sports Quiz, Extempore (Mozilla Aces Club)
5	ECO	Electronics and Communication	Prerna – An old-age home visit
6	EESA	Electrical Engineering	Extension Activity (activities conducted for children of labourers working at Nirma Construction Site)
7	ISA	Instrumentation and Control	Fun Zone
8	MESA	Mechanical Engineering	Poster Making on "New India"
9	Infocraft	IT-NU	Foundation Day Coding Event
10	IEEE	IT-NU	Technical Quiz
11	iL2	IT-NU	SANJEEVANI- The Plantation Drive
12	AMS	IT-NU	1.Nutstacker 2.Seven up-Seven down 3.Ball in Bucket 4.Magic Blow

NUTECH 2018

Institute of Technology students association organized various technical events as a part of NUTECH-2018 during 07th - 08th March, 2018. Various technical events and workshops organized by different students association are summarized as per following table.

Technical Events – NU-Tech 2018

Sr. No.	Name of the club	Name of the Event	Total number of participants in the event	Total number of participants in the event from Nirma University	Total number of participants in the event other than Nirma University	Number of colleges took part in the event
1	ChESA	Chemical Housie	30	14	16	9
		Saponify	42	20	22	10
		Industrial Safety Experience	32	15	17	8
		Chemology	50	22	28	13
		ChemoWheels	21	8	13	6
2	OrCES	Civil -O- Thone	179	3	176	23
		Civil Hunt	238	3	235	24
		Big Construction Theory	140	9	131	22
		Plot the Plot	162	2	160	26
		Absolute H2O	142	15	127	21
3	CSI	Code Jam	228	53	175	4
		Hack-NU-Thon	25	20	5	3
4	ACES	Web designing	215	43	172	24
		Deep learning Workshop	15	03	12	7
5	ECO	Make-A-Duino	41	23	18	4
		Line Follower	105	30	75	10
		Digimaker	46	30	16	4
		Ecross Hunt	130	70	60	6
		Vlog Challenge	33	33	0	1
6	EESA	Tech Ludo	202	60	142	6
		Nerdophilic Quiz	172	40	132	7
		Hertz Cules Quiz	30	12	18	4
		Kirchoff's Kitechen	100	30	70	7
		Info Grafitti	35	7	28	5
7	ISA	E-Placement	92	10	82	15
8	MESA	AeroMobile Quiz	145	5	140	20
		Water Racket	60	7	53	10
		One On One	38	0	38	6
		RoboRace	112	2	110	17
9	AMS	Tech Hunt	584	40	544	20

10	E-cell	Mera Startup Mahan	38	1	37	11
		Be a technopreneur	64	9	54	16
11	INFOCRATS	Jigsaw Puzzle	305	127	178	28
		Codzilla	293	154	139	32

Technical Work shops

Sr. No.	Name of the club	Name of the Work Shop	Total number of participants in the event	Total number of participants in the event from Nirma University	Total number of participants in the event other than Nirma University	Number of colleges took part in the event
1	ChESA	Advance Excel Workshop	70	62	8	4
2	OrCES	Concrete Mix Design	17	3	14	13
		R/F Detailing	26	1	25	8
3	CSI	Network security and Ethical Hacking	51	38	13	5
4	ECO	Drone Workshop	37	15	22	7
5	EESA	Circuit Sense	130	28	102	8
		Resume Maker	290	70	220	10
6	ISA	PCb Designing Workshop	28	18	10	4
		Robosapiens (Workshop)	46	34	12	4
7	MESA	Aero Modelling workshop	25	4	21	6
		Automobile workshop	75	3	72	12

Sports Activities

Sr. No.	Event Organized	Duration	No. of Participants (Approx.)	
1	Nirma Cup	Football	April 1-27,2017	130
		Lawn Tennis	April 17-20,2017	19
		Chess	August 28-31,2017	40
		Table Tennis	August 28-31,2017	35
		Basket Ball	Sept 1-11, 2017	80
2	Nirma Premier League	Cricket tournament on IPL format	July 22 – Sept 28, 2017	120
3	Annual Sports Day Track Event	1500, 800, 400, 200 & 100 Meter Run	October 10 & 11, 2017	229
		4 x 100 Relay		
		High & Long Jump		
		Short Put		

		Discuss Throw		
		Javelin Throw		
	Annual Sports Day Team Event	Cricket		
		Football		
		Volley ball		
		Basketball		
		Lawn Tennis		
		Badminton		
		Table Tennis		
		Chess		
		Kho-Kho		

Highlights

- Team of students from IT-NU participated in Inter- University Level competition i.e. Justice League 17 for Inter University Chess and Table Tennis at GNLU.
- Team of students from IT-NU participated in Inter-University Level competition i.e. Shaurya'17 for Inter University Table Tennis, Chess, Volley Ball at IIM Ahmedabad.
- Team of students from IT-NU participated in Inter-University Level competition i.e. Concour's 17 for Inter University Chess, Table Tennis at DAIICT.

Youth Welfare and Cultural Activities

Cultural Activity Report

Sr. No.	Event Organized	Duration	No. of Participants (Approx.)	Short Description of the event
1	Essay and Elocution Competition	29/07/2017	20	Overall KCG (knowledge consortium of Gujarat) Handled event.
2	Vaudeville- 2017	07/09/2017 to 08/09/2017	500	A cultural event conducted for IT-NU Students
3	Deshraag (Patriotic Song Competition)	11/08/2017	14	Students and Faculty from different department participated in the event.
4	RAMZAT 2017	07/10/2017	Over 1500 pass sold	Garba Night Post Navratri
5	Photography and short film Competition	16/01/2018	33	Photography and Short film on theme 'Black and white'
6	One Act Play	30/01/2018	29	One Act Play Organized for all the Institutes. Theme – Equal Opportunity
7	Nuzeal-2018	01/02/2018 & 02/02/2018	130	Talent Mela and Personality Contest.

Events Organized under Vaudeville – 2017

<ul style="list-style-type: none"> • Beat It (Solo Dance) • Lets Rumbaa (Duet Dance) • Step Up Infinity (Group Dance) • Don't Hesitate Lets Debate • Vaudeville On Air (RJ Show) • Street Play (Nukkad) • Antra – Classical Instrument, Classical Vocal, Classical Dance 	<ul style="list-style-type: none"> • Gulaal (Rangoli) • Chitra Kalakkar (On spot painting) • Make it Noddy (Cartooning) • The Poster Look (Poster Making) • Kar College • The voice of Nirma (Solo Singing) • Harmony (Duet Singing) 	<ul style="list-style-type: none"> • Nautanki (Drama) • Mono Acting/Mimicry • Prank Video • Photography • Mr. and Miss ITNU • Staff Performance • Open Mic • JAM
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Performance in Sport Activities:

Annexure A: 1. List of Institute Level Sports 2. Inter – University Level 3. Inter Institute Level Annual Sports Day Result (University Level i.e. Track Event and Team Events)

Incentives to Outstanding Sports Person

- All the winners of Annual Sports Meet are given trophies and certificates for their achievements.
- Certificates and Trophies are given to winners in all the events organized on the campus

The students are given full financial assistance to participate in All India Inter University Sports

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

Name of Examination	Number of Students
GATE	72
CAT	50
Other (GRE, TOEFL, IELTS)	119

Alumni Association Activities Supporting Students

❖ Annual General Meeting & Get-together

18th Annual Get Together of NITAA was held on 6th January 2018 at Nirma University campus. The event received more than 600 participation from alumni, their family members and faculty members of the Institute. The Meet was presided by President of NITAA Dr. Alka Mahajan (Director, Institute of Technology) and Sr. Vice president-NITAA, Dr. N.P.Gajjar (Professor, EC Department).

❖ NITAA Alumni Meet USA

NITAA Alumni meet was conducted on May 07, 2017 at San Jose and at New Jersey on June 09, 2017. It was organized in "Celebrations Indian Cuisine", Sunnyvale, CA-USA. It was attended by more than 50 alumni from Bay Area. Dr N P Gajjar, Sr. Vice President, NITAA addressed the meet. Dr. Prakash Gajjar delivered talk on "Life Changing Processes".

❖ Report on NITAA Meet (Hyderabad) on 8th February 2018

The meet was attended by more than 10+ Alumni members including Alumni residing in

Hyderabad. Dr N P Gajjar briefed the objective behind conducting such meets and design to reconnect with alumni for further strengthening the bond with their Alma-matter. Alumni members assured for internship placement assistance as well as their visit to campus.

❖ **Report of Singapore Visit, September 2017**

Dr. Mehul R Naik, Associate Professor, EC Engg. Dept. organized an Alumni Meet on September 2017 at Singapore. The meet was well attended and alumni were briefed about the developments at ITNU and were encouraged to contribute to the development of the institute.

❖ **NITAA Awards**

NITAA has given Best Alumni Awards (Dept. wise) on the Foundation day of Institute of Technology on 3rd October 2017. A total of 9 Alumni Awards were declared, i.e. one per department. The details are as under:

Sr. No.	Department Name	Name of the Alumni	Current Designation/Affiliation
1.	Chemical Engineering	Mr. Shail Chudgar	Associate Director, Intas Pharmaceuticals, Ahmedabad
2.	Civil Engineering	Ms. Megha Bhatt	Head of the Department (Plumbing and Fire Fighting). INI Infrastructure & Engineering, Ahmedabad
3.	Computer Engineering	Mr. Royson Rajan	1. Founder/ Managing Director, Atlas SoftWeb Pvt Ltd. 2. Founder, Campus Freshers and the eCommerce Store – PraiseCart
4.	Electronics and Communication	Mr. Dhaval Shah	Director, Nessa Technology, Ahmedabad
5.	Electrical Engineering	Mr. Chirag Chauhan	1. Proprietor: Enlec Solutions, Ahmedabad 2. Freelance Energy Consultant, Ahmedabad
6.	Instrumentation and Control	Dr. Hitesh Shrimali	Assistant Professor, IIT-Mandi
7.	Information Technology	Mr. Manan Thakkar	1. Indusa Infotech Services Pvt Ltd. Senior Solutions Architect 2. Infosys Technologies Ltd, Technology Lead
8.	Master of Computer Applications	Mr. Kaushal Patel	Entrepreneur 1. Kunj Services Pvt Ltd 2. Kunj Corporation Agency 3. Active Kunj Enterprise LLP 4. Kunj Financial Consultant Pvt Ltd
9.	Mechanical Engineering	Mr. Amar Patel	1. Founder and CTO, Powerdyn Energy 2. Co-founder and Managing Partner, Buttercupp - A Cupcake Shoppe 3. Chief Mentor, Trilake Education Consultants 4. Ex. R & D Engineer, Caterpillar Inc. USA (2004-2011)

❖ **NITAA Scholarship**

In the current financial year 2017-18, NITAA has given scholarships to 23 students of B Tech/MCA (based on merit cum means). The scholarship will be continued in the subsequent years of graduation study if student fulfill the required criteria laid down by the NITAA. An amount of Rs 30,000/- each was given to the following students.

List of NITAA Scholarship Awardees

Sr. No.	Roll No.	Name of Student
1.	16BCH023	Harshit Singh Rajawat
2.	16BME041	Prasun Shukla
3.	16BIT019	Apurv Jain
4.	16BIT051	Memon Faizan fakruddin
5.	16BEE065	Ujjawal Deshwal
6.	16BEC073	Karan Shah
7.	16BEC076	Naman Khandelwal
8.	16BCL117	Harshad P. Jadav
9.	15BIC065	Shivam Patidar
10.	14BIT009	Chandlekar Sanjay Rajendrabhai
11.	14BME113	Solanki Bhaveshkumar Shamjibhai
12.	14BME060	Nandish Mayankbhai Shah
13.	16MCA036	Patel Margiben Sanjaykumar
14.	15MCA016	Gupta Priya Mukesh
15.	17BCH047	Shankhesh Sanjay Nahta
16.	17BIC007	Balani Bhavika Gulabrai
17.	17BEE005	Arvind Kumar
18.	17BIT002	Agarwal Darshan P.
19.	17BIT041	Chhatwani Kunal G.
20.	17BEC064	Patel Deep Hiteshbhai
21.	17BEC073	Praveen Kukreja
22.	17BCL030	Divyanshu Kumar
23.	17BCL059	Nikhil Raj

Alumni Association – Activities Supporting Students

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

NITAA Activities at Department Level

Department	Type of Activity	Date	Brief Details of the Activity
CE	One Day Workshop	November 23, 2017	Mr. Royson Rajan, Managing Director of Atlas Softweb Solutions conducted a Full day Workshop on Full Stack Development for students of M.Tech CSE, INS and NT.
	Expert Lecture	August 30, 2017	Mr. Royson Rajan, Managing Director, Atlas Softweb Pvt. Ltd. delivered an expert talk “From Fresher to Professional using Open Source Technologies” Semester 5th of CE.
	Workshop	August 5, 2017	Mr. Kartik Lalan, Security Engineer, Philips Lab, Bangalore conducted a workshop on “Security Hardening for Sem. 7 CE and IT students.

	Interaction	August 2, 2017	Interaction on “Future Career Prospects after B.Tech” by Mr. Anand Kacha, Co- Founder & Tech Lead of Automint Pvt Ltd and Kyhati Parekh, Graduate Research Assistant at University of Washington for students of 7th CE.
	Expert Lecture		Mr. Zoher Surka, Sr. Member of Technical Staff, Tibco Software, Pune delivered expert lecture on “A recruiter's perspective to a professional resume”
Chemical	Expert Lecture	August 3, 2017	Mr. Prateek Singh from Torrent Pharma Industry delivered an expert lecture on “Expectation of an organization from an Engineering Graduate” for student of Sem. 5th and 7th.
	Expert Talk	August 4, 2017	Mr. Karan Shah delivered an expert talk “Application of Basic Concepts of Chemical Engineering in Industry” for students of B.Tech Sem.3rd.
	Expert talk	August 4, 2017	Ms. Sophia Varghese, a alumni and Ph.D student from IIT Gandhinagar gave an expert talk on “Research Opportunities in IIT’s” to students of 5th Semester.
	Expert Talk	September 22, 2017	Mr. Ronak Shah and team from Carving Mindz delivered an expert talk on “Career Counselling and how to improve in GD and PI” to 7th Semester student
	Alumni Interaction	March 5, 2018	Mr. Kunal Mawani interacted with 6th Sem. students and discussed regarding his professional background, expectations from job and his future goal plan.
	Alumni Interaction		Mr. Parth Mehta, an alumnus of 2009 batch interacted with 4th Semester students.
	Alumni Interaction	January 12, 2018	Ms. Khyati Shah, Nirma alumni from 2012 batch who is presently doing Masters of Science in California had an inter active session about the Chemical Engineering course.
	Alumni Interaction	March 9, 2018	Mr. Nishant Tailor, Executive Engineer, Process and Environmental Safety Department, Linde house, Vadodara interacted with sem. IV & VI students regarding variety of topics basically focusing on the industrial roles of chemical engineers.
	Alumni Interaction	March 6, 2018	Mr. Shail Chudgar working with Intas Pharma delivered an informative lecture on "Manufacturing of Biological Pharmaceutical Molecules."
Civil	Expert lecture		Mr. Harsh Rathod, CEO of HRG Infrastructure, Victoria, Canada and Ph.D student of University of Victoria, Canada delivered an expert lecture on Structural Health Monitoring for students of M.Tech Sem 1.
	Expert Lecture	June 2017	Mr. Sashin Patel and Mr. Hrushikesh Patel delivered an expert lecture on Hydro Power Project for participants during STTP (June 2017) at Nirma University.
	Coordinated for Site visit	June 2017	Mr. Mehul Shah, Ms. Pankti Shah and Mr. Kalpesh Parmar helped for arranging site visit at Mundra during STTP (June 2017).

	Coordinated for Site visit	June 2017	Mr. Yash Kulshreshtha, Mr. Vijay Valvi and Mr. Piyush Viradi helped for arranging site visit at Himmatnagar - Mehasana Highway during STTP (June 2017).
	Expert Lecture	June 2017	Mr. Harsh Doshi and Mr. Siddharth Shah delivered an expert lecture on Design and Construction of Road Infrastructure for Participants during STTP (June 2017) at Nirma University.
	Coordinated for Site visit	June 2017	Mr. Satish Kambaliya helped for arranging site visit at Vastral Metro Project during STTP (June 2017).
	Fraction Course Session		Ms. Khushali Mehta, (Sr. Manager Building Permission GIFT SEZ LTD) conducted Fraction Course on Concept of Smart Cities a teaching of five session of total 10 hours for B.Tech Sem V students.
	Expert Lecture	October 13, 2017	Mr. Anusrav Bhatt, Owner of Nirantar group delivered lecture on Arbitration and Conciliation for B.Tech SEM 7 students
	Session		Mr. Shashin, Partner SID consultants conducted 6 hrs session on Bunker and Silos for M.Tech Sem. 1 students
	Interaction	December 16, 2017	Mr. Harsh Rathod and Mr. Dhaval Shah visited the departments and discussed the research area with M. Tech students on 16/12/2017.
Electrical	Expert Lecture	February 15, 2018	Ms. Monica Chatani & Mr. Ashish Manik, Project Engineering DPR Construction USA –delivered an expert lecture on Building Information Model for students of Sem.VI
	Expert Lecture	February 26, 2018	Mr. Harishchandra Jakhmola, GM QA-QC Department, Kalpatru Power and Transmission Ltd delivered an expert talk on “Slip Formwork Technique” for Students of Sem.VI and talk on Good Construction Practices for student of Sem. IV
	Alumni Interaction	March 8, 2018	Meet Maradia, Site Engineer, Rupa Renaissance interacted with students during NUTECH on 08/03/2018
	Expert Lecture	April 18, 2017	Mr. Himanshu Chauhan, Business Development Manager, Fujitsu Technologies Pvt. Ltd., Ahmedabad delivered an expert lecture on “Desired Interpersonal Skills for Recruitment Process” on 18/04/2017 for students of B.Tech. Sem-VI EE students
	Expert Lecture	August 11, 2017	Mr. Mirant Parikh, a 2014 Passout, IAS Officer Trainee delivered an expert lecture titled “Strategy to be Adopted for Clearing Civil Services Examination” on 11/08/2017 for B.Tech. Sem-VII EE students.
	Interaction Session	November 8, 2017	Mr. Aditya Thanavala, Engineer, Adani Port Ltd., Mundra delivered an alumni interaction session titled “What is the need of Master’s Degree?” for B.Tech. Sem-III EE students
	Expert lecture	January 10, 2018	Mr. Neel Shah, Business Development Lead, Ambimat Electronics, Ahmedabad delivered an expert lecture

			Embedded Product Design and Hardware Starts-Ups for students of B.Tech Semester VI, EE (Div-A & B) and M.Tech Semester-II, EE (PEMD)
	Expert Lecture	January 11, 2018	Mr. Aziz Popat, Business Manager, Target Solar, Queensland, Australia delivered an expert lecture on Practices and Technologies in Solar Industry for students of M.Tech Semester-II, EE (PEMD & EPS) and M.Tech Semester-IV, EE (PEMD & EPS)
EC	Expert Lecture		Mr. Parimal Govani, Sr. Scientist, SAC, ISRO (Alumni batch ; 1999) delivered an expert lecture on Verification and Validation techniques of Digital VLSI designs
	Expert Lecture	April 21, 2017	Mr. Rakesh Patel, Design Artist, National Institute of Design delivered expert lecture on Be an Inspiration: Think differently
	Expert lecture	August 21, 2017	Mr. Rohan Garg, MBA from IIM C delivered lecture on Interview Skills
	Expert Lecture	October 30, 2017	Mr. Soyeb Khunsia, Design Engineer, Rambus delivered expert lecture on Advances in Back End Design
	Expert lecture	November 8, 2017	Mr. Manan Patel, Cadence delivered expert lecture on Verification Intellectual Property
	Expert Lecture	November 24, 2017	Mr. Rohan Garg, MBA from IIM C delivered lecture on "Career Options after B. Tech"
	Alumni Interaction	January 23, 2018	Mr. Samarth Brahmabhatt (PhD student at Robotics at Georgia Tech) interacted with students
	Expert Lecture	February 2, 2018	Mr Bhavik Kharadi, Design Engineer, Texas Instruments, Dallas USA delivered expert lecture on Millimeter wave Based sensor design and application
	Alumni Interaction		Mr. Divyesh Vora, Sr Designer (VLSI Domain) arm Technologies, (I)Pvt Ltd, Bangalore interacted with students
IC	Expert session	April 6, 2017	Mr. Vivek Ganatra, Project manager at Adani-PMC projects delivered an expert session on "Role of IC engineers in various industries" for B. Tech IC 6th sem.
	Expert Lecture	August 14, 2017	Mr. Rohit Singh, Application Engineer at Neutron system Pvt. Ltd. Ahmedabad delivered an expert talk on "IEC standards programming languages for PLC" for students of B. Tech 7th Sem
	Expert Lecture	April 3, 2017	Mr. Rohit Singh , Application Engineer, Nutron systems Pvt. Ltd. (M Tech Alumni, 2014) delivered expert lecture on "Introduction to PLC and SCADA" on 3/4/2017 for B Tech Sem VI Students
IT	<ul style="list-style-type: none"> • Mr. Manan Thakkar (Senior Solutions Architect at Indusa) and Mr Karan Kurani (Founder - DoctorC, Shoutt) delivered an expert talk • Mr. Nisarg G Vyas (CEO and Principal engineer/scientist at InFoCusp) gave an expert talk • Mr. Chirayu Patel (B.Tech Alumni) delivered an expert lecture on Full Stack Development on 31/1/2018 for B.Tech. VI sem students 		
MCA	<ul style="list-style-type: none"> • MCA Sem III students visited RapidOps Solution Pvt Ltd. during Industrial Visit on 		

	<p>13-10-2017</p> <ul style="list-style-type: none"> Expert Seminar attended on "Chasing an impossible dream" by Mr. Sumeet Keswani, alumnus of Nirma University organized by NITAA on 29th September 2017.
Mechanical	<ul style="list-style-type: none"> Expert Lecture on Verification and Validation techniques of Digital VLSI designs by Mr. Parimal Govani, Sr. Scientist, SAC, ISRO (Alumni batch ; 1999) on 1/4/2017 Expert Lecture on Be an Inspiration: Think differently by Mr. Rakesh Patel, Design Artist, National Institute of Design on 21/4/2017 Lecture on "Interview Skills" by Mr. Rohan Garg, MBA from IIM C, on 21/8/2017 Expert Lecture on Advances in Back End Design by Mr. Soyeb Khunsia, Design Engineer, Rambus, 30/10/2017 Alumni Expert Lecture on "Verification Intellectual Property" by Manan Patel, Cadence on 8/11/2017 Lecture on "Career Options after B. Tech." by Mr. Rohan Garg, MBA from IIM C on 24/11/2017 Interaction was with Mr. Samarth Brahmabhatt (PhD student at Robotics at Georgia Tech) on 23/1/2018 Expert Lecture on Millimeter wave Based sensor design and application by Mr Bhavik Kharadi, Design Engineer, Texas Instruments, Dallas USA on 12/02/2018 An interaction with Mr. Divyesh Vora, Sr Designer (VLSI Domain) arm Technologies,(I) Pvt Ltd, Bangalore in PG -EC lab on 3/2/2018

Institute and University Level Activities

Institute Level: The Institute has included Alumni Representatives in the Internal Quality Assurance Cell (IQAC) of the Institute.

University Level: The Institute has names of three Alumni Members as the Board of Directors in the University Level Alumni Forum.

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 was made available to students to help them cope with depression, examination stress, personal problems etc. Ms. Sapna Bhatt, a professional counselor conducted awareness sessions for faculty and students and is available three days in a week for personal counseling.

Placement services to students

Campus placement has been one of the milestones of Nirma University. Placement of the students in the right kind of job opportunities is an endorsement of educational excellence in the respective field. 72.85% of B Tech and 30.95% of PG (M Tech+ MCA) students of 2018 batch passing out students from Institute of Technology, Nirma University have bagged lucrative offers from reputed recruiters.

Till date, 95 companies have already participated in the current batch placement process. So far the highest pay offered to the 2017-18 batches is about Rs.18.00 lakhs per annum Average package offered this year is Rs.4.72 lakh per annum. Organizations that visited the campus are from diverse profiles

like—IT, Electronics, Telecom, Pharmaceuticals, Banking & Financial Services, Consulting, Heavy Engineering, Research Development and Design.

Under Graduate

Branch	Total Number of Students Registered 2018	Total Number of Students Appeared 2018	Total Number of Students Placed 2018	% of Placement 2018
Civil Engineering	104	59	20	33.90
Chemical Engineering	70	45	40	88.89
Mechanical Engineering	152	94	68	72.34
Electrical Engineering	133	96	60	62.50
Electronics & Communication Engineering	139	101	91	90.10
Instrumentation Control Engineering	67	51	41	80.39
Information Technology	69	61	41	67.21
Computer Engineering	140	97	95	97.94
UG - 2018	874	604	456	75.50

Post Graduate

Branch	Total Number of Students Registered 2018	Total Number of Students Appeared 2018	Total Number of Students Placed 2018	% of Placement 2018
MCA	64	53	35	66.04
M. Tech EPS	21	7	4	57.14
M. Tech PEMD	20	5	3	60.00
M. Tech CASAD	25	13	6	46.15
M. Tech VLSI	25	22	19	86.36
M. Tech Communication	16	11	9	81.82
M. Tech Thermal Engineering	30	24	8	33.33
M. Tech CAD/CAM	29	26	8	30.77
M. Tech Design Engineering	17	15	5	33.33
M. Tech CSE	26	25	24	96.00
M. Tech NT	20	13	11	84.62
M. Tech INS	20	18	16	88.89
M. Tech Embedded	25	22	16	72.73
M. Tech IC	15	13	2	15.38
PG - 2018	353	267	166	62.17

Table 1: Institute-level Sports

Sr. No.	Name of Activity	Date and duration	Category (co-curricular/extra co-curricular)	Organising Club/Committee	Type Of Event	No. Of Participants	Winner's Name	Description
1	Nirma Cup-Football	01/04/17 to 27/04/17	Extra Co-Curricular	Nirma Sports Association	Intra Institute (Inter Branch)	130	1.Mechanical 2.Electrical	Inter Branch Football tournament under Nirma Cup
2	Nirma Cup – Lawn Tennis	17/04/17 to 20/04/17	Extra Co-Curricular	Nirma Sports Association		19	Chemical (Boys) Jayanti Pandya (Girls)	Inter branch Lawn Tennis Singles event in which a team of 5 students from each department is selected for final event.
2	Nirma Cup - Chess	28/08/17 to 31/08/17	Extra Co-Curricular	Nirma Sports Association		40	1. Mechanical 2. IT	Inter Branch Chess tournament under Nirma Cup
3	Nirma Cup - Table Tennis	28/08/17 to 31/08/17	Extra Co-Curricular	Nirma Sports Association		35	1. Electrical 2. IT	Inter Branch TT tournament under Nirma Cup
4	Nirma Cup - Basketball	01/09/17 to 11/09/17	Extra Co-Curricular	Nirma Sports Association		80	1. IC 2.Mechanical	Inter Branch Basketball tournament under Nirma Cup
5	Nirma Premier League	22/7/17 to 28/09/17	Extra Co-Curricular	Nirma Sports Association	IPL Format	120	1.Sparks 2.NightHawks	Cricket Tournament on IPL format
6	Annual Sports Meet	10/10/17 to 12/10/17	Track Event	Nirma University	Inter-Institute	180	ITNU Champion	List of winners are provided in Table 3.

Table 2: Inter-University Level

SR. NO.	NAME OF TOURNAMENT/PLACE	SPORTS-EVENT NAME	POSITION SECURED
1	Justice League'17, GNLU	Chess Boys	1 st
	Justice League'17, GNLU	Table Tennis Boys	Semi finalists
	Justice League'17, GNLU	Table Tennis Girls	2 nd
2	Petrocup'18, PDP	Table Tennis Boys	1 st
	Petrocup'18, PDP	Table Tennis Girls	-
	Petrocup'18, PDP	Basketball Boys	Semi Finals
	Petrocup'18, PDP	Basketball Girls	Semi Finals
	Petrocup'18, PDP	Volleyball Boys	Winners
	Petrocup'18, PDP	Lawn Tennis Girls	Semi-Final
	Petrocup'18, PDP	Volleyball Girls	-
3	Shaurya'17, IIM Ahmedabad	Table tennis Boys	1st
	Shaurya'17, IIM Ahmedabad	Chess Boys	1st
	Shaurya'17, IIM Ahmedabad	Volleyball Girls	1st
4	Concours'17, DAICT	Chess Boys	1st
	Concours'17, DAICT	Table Tennis Girls	1st

Table 3: Inter-Institute Level**Annual Sports Day Result (University Level) (October 10-12, 2017)****Track Events**

Sr. No.	Name of the Event	Position	Name of the Students	Institute	Roll No.
1	100 m. Race (Boys)	2	ARTH PATEL	ITNU	14BCE076
		3	MEET PATEL	ITNU	16BME020
2	100 m. Race(girls)	1	APOORVA JAIN	ITNU	15BEC022
		2	RASHMI KUMARI	ITNU	16BIT033
3	400 m. Race (Boys)	2	NACHIKET PATEL	ITNU	17G012
		3	MEET PATEL	ITNU	16BME020
4	400 m. Race (Girls)	3	AGRINI CHATURVEDI	ITNU	17A012
5	800 m. Race (Boys)	1	AKSHAY THAKKAR	ITNU	17A049
6	1500 m. Race (Boys)	3	NACHIKET PATEL	ITNU	17G012
7	1500 m. Race (Girls)	3	HEMANGI KERKAR	ITNU	17MCA021
8	4 X 100 m. Relay(Boys)	2	PRAYAG, DIVY, MEET, ARTH	ITNU	
9	High Jump (Boys)	1	JINAY TANDEL	ITNU	15BME120
10	High Jump (Girls)	2	HEMANGI KERKAR	ITNU	17MCA021
		3	RUTVA PATEL	ITNU	16BIT129
11	Long Jump (Girls)	2	AGRINI CHATURVEDI	ITNU	17A017
12	Shot put (Boys)	1	MOHINISH DASWANI	ITNU	14BIT011
13	Shot put(Girls)	3	JAHNVI PATEL	ITNU	15BEC047

14	Discuss(Boys)	1	MANANN AGARWAL	ITNU	14BEC066
15	Discuss(Girls)	1	JAHNVI PATEL	ITNU	15BCE047
16	Javelin (Boys)	1	KEVIN BHENSODIYA	ITNU	17D069

Team-Events

S. No	EVENT NAME	INSTITUTE	WINNER NAME	INSTITUTE	RUNNER NAME
1	Badminton (Single - Male)	ITNU	DEVAL ANSAGRA (17F030)	ICNU	VINIT DERNANI (IC161156)
2	Badminton (Single - Female)	ITNU	AKSHATA JAIN (17MECC)	IPNU	KAHINI PATEL (15BPH045)
3	Badminton (Double - Male)	ITNU	DEVAL KANSAGRA (17F030) MAYANKKUMAR SINGH (16BIT098)	IMNU	AKSHAY JAIN (171106) ABHISHEK GUPTA (171401)
4	Badminton (Mix)	ITNU	AUM KARKAR (15BCL011) AKSHATA JAIN (17MECC)	IMNU	RAJAT SONI (161341) AISHWARYA SURESH (161305)
5	Table tennis (Single - Male)	ITNU	ABHISHEK MEHTA (17A043)	IMNU	KALPESH JADWANI (171124)
6	Table tennis (Double - Male)	ITNU	ABHISHEK MEHTA (17A043) ABHISHEK JAIN (15BME003)	ISNU	SEBIN METHREW (16MBT031) TANMAY VYAS (17MBT039)
7	Chess (Single - Male)	ITNU	HETUL SHAH (16E025)	ITNU	SHIVAM SHAH (14BIT050)
8	Chess (Single - Female)	ITNU	ARPITA NAINA (17A033)	IPNU	HEMA POKAR (14BPH026)

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Institute of Management

Outstanding Achievements & Important Activities

Awards

SAQS Accredited

Institute has been awarded Accreditation in recognition of Quality and Quality Assurance through continuous improvement by SAQS for a period of five years from 14th December 2017 to 14th December 2022.

Rankings

1. The Institute has been ranked 10th best private B-School; and 31 overall by the National Institutional Ranking Framework (NIRF)-April, 2017 by the Ministry of HRD, GoI.
2. Ranked 6th Best in the A1 category by Business Standard in June, 2017.
3. Ranked 9 Best Private B-School by CSRGRDC, B-School Survey and published in Competition Success Review, November, 2017.
4. Ranked 17 Top Private Business School in India by Business World in November, 2017.
5. Ranked 27th Best B-School by a survey conducted by India Today in November, 2017.
6. Ranked 27th Best B-School by the Week-Hansa Research Survey in November, 2017.

Convocation 2017

The 23rd Convocation of Nirma University was held on April 20, 2017 on the campus. Prof. Ved Prakash, Former Chairman of the University Grants Commission, New Delhi, graced the occasion as Chief Guest and also presented Scholastic Medals to 12 graduating students. During the convocation, 20 Ph.D. students, 227 MBA students (Full Time), 50 MBA students (Family Business & Entrepreneurship), 107 B.A. LL.B. students (Hons.), 65 B.Com. LL.B. students (Hons.) and 46 BBA LL.B. students (Hons.) were conferred the degrees by the President of the University, Dr Karsanbhai Patel. Dr Patel also delivered the Presidential address on the occasion. Dr Anup Singh, Director General presented the concluding address at the convocation.

Executive Diploma Award Ceremony 2017

The Executive Diploma Award Ceremony of Eighteenth Batch (EDP 2016-17) was held on Saturday, December 16, 2017 at Institute of Management, Nirma University. Ms. Pearl Sabavala, Sr. Vice President, HDFC Bank Ltd. was the chief guest on the occasion. This year, a total of 'Executive Diplomas' were awarded to 41 participants (25 in Operations Management and 16 in Marketing Management).

Conference

7th Annual Quality Conference on "Transformation through Quality Management"

The 7th Annual Quality Conference was jointly organized by ASQ LMC Ahmedabad and Institute of Management, Nirma University on November 18-19, 2017. The theme for the conference this year

was “GLocal Challenges: Excellence through Quality and Innovation”. The Chief Guest for the session was Mr. Abhishek Jain, Film Maker, Founder- CineMan Production Ltd. The inauguration of the book, “GLocal Challenges: Excellence through Quality and Innovation.” authored by Dr. Rajesh Jain and Dr. Himanshu Trivedi also took place at this event.

NICOM 2018

The 21st Nirma International Conference on Management (NICOM) was organized by Institute of Management, Nirma University during January 11th to 13th, 2018. Its central theme was “*Societal and Organizational Transformation through Strategic and Technological Interventions*”. The Conference had academicians and practitioners from all over India and abroad, presenting their research in as many as 60 sub-themes viz, Strategic Management Process, Entrepreneurship and Regional Development, Functional Level Strategies, Functional Information Systems & DSS, Digital Ecosystem, etc., in four track sessions spread across the three days Conference.

In total 75 papers were presented by the participants in 24 track sessions organized over the period of three days. In addition to the inauguration and valedictory sessions, four plenary sessions had also been arranged during which, the prominent personalities from the industry addressed the audience on various topics.

The conference was inaugurated on January 11, 2018. The chief guest of the inaugural session was Mr. Gurmeet Singh Sethi, Managing Director, Johnson Controls- Hitachi Ltd.

Anvesh 2017: Doctoral Research Conference in Management

Institute of Management, Nirma University, Ahmedabad under the aegis of its Doctoral Programme in Management organizes Doctoral Research Conference in Management since 2005. This year’s conference which was organized on 7th and 8th April 2017 had 2 workshops, 11 track sessions with 48 presentations and 2 research clinics, over the one and half day conference.

Dr. Yoginder K Alagh, Chancellor of the Central University of Gujarat delivered the inaugural address. For research clinic 4 experts were invited. Dr. A.C. Brambhatt and Dr Jayesh Aagja for Marketing area, Dr. Shantanu Mehta and Dr. Rajesh Jain for Finance & Economics and Operations Management area.

Apart from track sessions and research clinics, as a part of conference, 2 expert sessions were organized. Dr. R. J. Mody, Former Director, Sardar Patel Institute of Economic & Social Research delivered expert lecture on ‘Philosophy of Research.’ Dr. A. C. Brahmbhatt, Research Mentor, Pandit Deendayal Petroleum University – Gandhinagar, imparted useful insights on ‘Research Design’.

The conference had participants from Vadodara, Aligarh, Jamshedpur, Rajkot, Pune, Mumbai, Vidhynagar, Bhavnagar and Delhi.

The one and half day conference concluded with valedictory session, whereby best paper prizes were declared. First Prize was awarded to Ranjita Banerjee for the paper titled ‘An empirical study of the relationship between HR Practices, Employee Outcomes and SMEs Performance at Vadodara district’ and Dipti Saraf & Hetal Jhaveri for the paper titled ‘Do demergers add value? A case based study in Indian context’. Second Prize was awarded to Punita Dhansingh Rajpurohit for the paper titled ‘The Role of Earnings Management and Ownership Structure in Signalling Financial Distress’ and Yamini Chandra & Kamayani Mathur for the paper titled ‘Entrepreneurial Inclination among Family Owned Firms vs. Corporate Decision Makers’. Third Prize was awarded to Ritesh Patel & Nikunj Patel for the paper titled ‘Stock Market Efficiency in Selected Economies’.

Conclaves

Utkrishta 2017: The Management Conclave

The Marketing Conclave commenced on 18th August, 2017. The theme was “Management Philosophies and Dynamics in New Aeon”. The inaugural address was delivered by Mr. Sandip Tarkas, Director at Songdew and an independent consultant for Future Group. The other speakers were Mr. Aditya Singh, CEO and Founder at Brainpan Studio, Mr. Setumadhavan N, CEO at Mad About Moviez, Mr. Manoj Chandra, Founder & CMO at Insperme Consulting.

The theme of the Finance Conclave was “Capital Market Instruments, Mutual Funds and Monetary Policy”. The first session of Finance Conclave was addressed by Mr. Sanjay Randhar, Managing director, GVFL. The other speakers were Mr. Manminder Malhi, Vice President, Sales at Kotak Securities and Mr. Deepak Prajapati, Executive Director and Group Head at CARE Ratings.

The Operations Conclave was held on the second day of Utkrishta on 19th August, 2017. The first session was taken up by Mr. Bhavik Chheda, Head of OYO Rooms, Gujarat. The other speakers were Dr. Paresh Kariya, Director (Service Business), OTIS Elevator (India and Mr. Yashowardhan Sowale, Associate Director, Capgemini.

The HR Conclave was organized by Club Imprintz. Current Trends in HR. The first speaker for the session was Dr. Pankaj Singh– Group Head, Learning & Development, Adani Group. The other speakers were Mr. Prasheel Pardhe, COE, Lead Talent Capability and HR Analytics at HCL Technologies and Mr. Sandip Tyagi, Director Human Resources at Samsung India.

Pragaman – The Entrepreneurship Conclave

Pragaman – The Entrepreneurship conclave took place on 7th September, 2017 with the theme “Re-Engineering Entrepreneurship”.

The inaugural session was delivered by Dr. Hina Shah, Director, International Centre for Entrepreneurship and Career Development (ICECD). The other speakers were Mr. Akshit Gupta, Co-Founder of Fundtonic, Mrs. Shriya Dama-ni, Director and CEO of SkyQuest Technology and Mr. Abhiraj Bhal, Co-Founder and Director of UrbanClap.

Aarohan – BBA-MBA Conclave 2017

Aarohan 2017 the Management Conclave of the Five Year BBA-MBA Integrated programme of IMNU, was organised on 21st and 22nd December 2017 with the theme ‘VUCA (Volatility, Uncertainty, Complexity and Ambiguity) in the contemporary business’.

The conclave was inaugurated by Mr. Swaroop Pandya, Associate Support Staff, CIIE. The other speakers were Mr. Sanjay Chakroborty, Founder and Chief Marketing Officer, Esskssy Consultancy, Mr. Sukhwinder Singh, Director, Libero Sports, Mr. Abhishek Desai, Co-founder, DigiCorp, Ms. Kinnari Desai, Chief Coordinator, Blind Man’s Association, and Ms. Shruti Chaturvedi, Founder and Editor, Chaaipani.

Pratidhwani - The Alumni Conclave 2017

The 5th Alumni Conclave of the Institute of Management, Nirma University was held on 3rd Feb, 2018. The Alumni Conclave is a platform where alumni from different sectors share their views on a common topic from the perspective of their respective fields. The conclave is a medium for strengthening the bond between the alma mater and its alumni base. It also provides a wonderful opportunity for students to gain practical business knowledge by interacting with the alumni and learning from their rich

experiences. Through the conclave, the Institute encourages industry interaction and prepares its students for the grueling corporate world. The theme for Pratidhwani, 2018 was “**From Ideas to Implementation**”.

The structure for the conclave was panel-based comprising of 5 panels - Marketing, Finance, Operations, Entrepreneurship and Human Resource. The first panel discussion on Finance was graced by Mr. Vishal Thakkar, Founder Director, Tridha Advisors Pvt. Ltd. and Mr. Naresh Golani, Associate Director, CARE Ratings. The three guest speakers for HR panel were Mrs. Shalu Sood, Mrs. Aditi Jain and Mr. Sekhar Kumar Anupindi. Mr. Naveen Kejriwal, Mrs. Gunjan Yogendra and Mr. Tapan Jena were the speakers for the marketing panel. The speakers for the Operations panel were: Mr. Deepak Acharya, Mr. Lalit Sharma, and Mrs. Neha Gupta. The last session was of the Entrepreneurship panel in which the speakers were Mr. Mohit Mangal, Mr. Anay Mashruwala and Mr. Ateet Bajaj.

Dignitaries Visited

A total of 6 dignitaries visited the Institute at different occasions during the year 2017-18. The details are provided under Section II.

I. CURRICULAR ASPECTS

New Courses being offered

The Institute introduced one new course during the year as per the following details:

- (1) MBA(FT) / MBA(FB)/ MBA Phase of BBA-MBA (Integrated) – Global Business Leadership in Cross-Cultural Contexts, a 3.0 Credit Hour course was introduced during the academic year.

New Interdisciplinary Courses

The Institute introduced the following new courses as University Electives during the academic year:

- | | |
|-------------------------------|--------------------------|
| (1) Elements of Management | (2) Managerial Skills |
| (3) Human Resource Management | (4) Financial Management |

The students of BBA-MBA Programme opted and studied the University electives offered by the other Institutions of Nirma University during the year:

- | | |
|--|--|
| (1) Applied Literature | (2) Health and Nutrition |
| (3) Information and Communication Technology | (4) Drug Law |
| (5) Intellectual Property Rights | (6) Introduction to renewable Energy Sources |

Any other Initiative/Innovation in curricular design

Minor Specializations in the discipline of Technology & Engineering were introduced during the year in the following two specializations for the students of BBA-MBA Programme:

- (a) **Minor Specialization in Information Technology consisting of the following courses:**

- | | |
|--------------------------------|--|
| (1) Data Management Systems | (2) Object Oriented Programming |
| (3) Internet and Web Designing | (4) Software Development Methodologies |

(b) Minor Specialization in Engineering Basics consisting of the following courses:

- (1) Fundamentals of Engineering Graphics (2) Elements of Mechanical Engineering.
(3) Basics of Electrical Engineering (4) Elements of Civil Engineering

II. TEACHING – LEARNING AND EVALUATION

Faculty completed/pursuing Ph. D

No. of Faculty Pursuing Ph.D. (2017-18)		No of Faculty Completed Ph.D. (2017-18)	
Name of Faculty	Designation	Name of Faculty	Designation
Prof. Khyati Desai	Assistant Professor	Prof. Nisarg Joshi	Assistant Professor
Prof. Khyati Shah	Assistant Professor		
Prof. Naresh Poturaju	Assistant Professor		
Prof. Nirmal Soni	Assistant Professor		
Prof. Niyati Dave	Assistant Professor		
Prof. Balakrishnan Unny	Assistant Professor		
Prof. Dhyani Mehta	Assistant Professor		

Innovation in Teaching - Learning & Evaluation

The Teaching –Learning and Evaluation is regularly reviewed and updated with the latest development.

Activities to sustain healthy practices

- Various Enrichment Programmes for the students were organized.
- Regular meetings of the faculties at Programme level were held for the faculties teaching in different Programmes.
- Regular weekly meetings of all the faculties are held to discuss the issues of general concern.
- Regular attendance and academic progress of the students were monitored.
- Efforts were made to ensure that students interact with industry at different forums.
- Large number of students' activities were initiated and coordinated by students.

Exam Reforms Implemented

The Institute follows the University Norms related to the Examinations (reforms)

Number of faculty development programmes availed by faculty

Year	International Conference	National Conference	Workshop/ Seminar/FDP/ Training
17-18	31	6	15
16-17	23	7	69

Number of faculty development programmes organized by the Institute

Following FDP were organized in the year 2017-18

Sr. No.	FDP Programmes completed	Coordinator/s	Dates	Duration	No. of Participants
1	Case Teaching Method	Prof. P.K Chugan Prof. Praneti Shah	September 21, 2017	01	30

2	Structural Equation Modeling	Prof. P.K Chugan Prof. Praneti Shah	December 16 , 2017	01	58
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Invited/Endowment Lectures

S. No.	Name of Organisation	Name of the Guest Faculty	Designation	Date	Topic of the lecture
1.	Zoomcar India Pvt. Ltd.	Mr. Sreejith Hrishikesh	VP – Operations	August 7, 2017	Operations Management in a Startup Culture
2.	ShopClues	Mr. Avinash Parhi	Senior Director – Marketing	August 11, 2017	The Evolution of the E-commerce Unicorn - Perspective, Strategies and the Way Forward
3.	Janalakshmi Financial Services	Mr. Naved Qureshi	VP - Marketing	September 8, 2017	Brand Management and Advertising Management
4.	Flipkart	Mr. Satheesh K. V.	Senior Director - HR	October 13, 2017	Walking the line between Work and Life
5.	National Institute of Securities Market	Mr. K. Sukumaran	Dean	3rd November, 2017	Economic Re-forms and Indian Capital Market.
6.	MobyCy	Mr. Akash Gupta	CEO	24th November, 2017	Journey of a Startup

Non-Teaching Staff Development

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

No.	Name	Date	Organization	Programme
1.	Ms. Monita Shastri	12/08/2017	Adani Institute of Infrastructure	To participate in the seminar of “Librarians’ Day 2017”
2.	Ms. Pragna Prajapati	12/08/2017	Adani Institute of Infrastructure	To participate in the seminar of “Librarians’ Day 2017”
3.	Ms. Divya Prajapati	12/08/2017	Adani Institute of Infrastructure	To participate in the seminar of “Librarians’ Day 2017”
4.	Mr. Rakesh Trivedi	12/08/2017	Adani Institute of Infrastructure	To participate in the seminar of “Librarians’ Day 2017”
5.	Ms. Monita Shastri	21/11/2017 to 22/11/2017	IIM-A	The 3rd Global Conference on Emerging Trends in Business Librarianship
6.	Ms. Pragna Prajapati	21/11/2017 to 22/11/2017	IIM-A	The 3rd Global Conference on Emerging Trends in Business Librarianship
7.	Mr. Rakesh Trivedi	21/11/2017 to 22/11/2017	IIM-A	The 3rd Global Conference on Emerging Trends in Business Librarianship
8.	Mr. Neeraj Arora	09/02/2018	NHRDN	NHRDN Summit

III. RESEARCH, CONSULTANCY AND EXTENSION

- Research Projects

Minor Research Project funded by Nirma University during:

Financial Year	Completed		Ongoing		Sanctioned	
	Number	Amount	Number	Amount	Number	Amount
2017-18	7	1,16,590	2	1,00,000	2	1,00,000
2016-17	5	13,969	6	3,43,240	7	3,83,240

Minor Research Project Funded by External Agencies during:

Financial Year	Ongoing		Sanctioned	
	Number	Amount	Number	Amount
2017-18	01*	400000	01*	400000
2016-17	---	---	---	---

* Minor Research Project approved and funded by Indian Council of Social Science Research (Min of HRD), Government of India

Number of Teachers allowed to participating 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
2017-18	6	20,575	31	1,73,345
2016-17	7	7,874	24	1,72,142

Details

New Research Projects (Externally funded/University funded)

Ongoing Research Projects

Sl. No.	Project Investigator	Title of the Project	Duration	Project Cost
1	Dr. Sapna Parashar & Dr. Sanjay Jain	Marcom Practices of Retail Stores	1 Year	60000/-
2	Dr. Subrat Sahu & Dr. Gaurav Mishra	Techno-Managerial Implications of Mobile Technology Adoption in Emergency Medical Services	1 Year	40000/-
3	Dr. Samik Shome	Effectiveness & Efficiencies of MGNREGA in Five Districts of Central Gujarat and its Impact on Quality of Life	1 Year	400000/-

Research Projects Completed

No	Project Investigator	Title	Duration	Amount
1	Prof. Nityesh Bhatt	Study of Devotees and Prasadalya Management at Shri Sai Baba Temple, Shirdi	5 Months	40000

2	Prof. Parag Rijwani & Prof. Jayesh P. Aagja	Investor's Behaviors towards Mutual Fund Investing with reference to Investors in Gujarat	1 Year	30000
3	Dr. Chetan A. Jhaveri	Modeling Performance measurement of Service Organizations using Data Envelopment Analysis (DEA)	1 Year	100000
4	Dr. Sameer Pingle & Dr. Jayesh Aagja	Succession Planning in Family Owned Businesses	1 Year	60000
5	Prof. Deepak Danak & Prof. Nikunj Patel	Study on Efficiency of Stock Futures Market in India	1 Year	99440
6	Dr. Shahir Bhatt & Prof. Amola Bhatt	Teaching Learning Entrepreneurship: An Impact Study	1 Year	21000
7	Prof. Nirmal C. Soni & Prof. Naresh Poturaju	Negative Externalities Caused by Aesthetic Pollution (Environmental Economics)	1 Year	32800

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

Financial Year	Department	National Journal			International Journal		
		Number of paper published	Number of paper considered for calculation of average impact factor	Average impact factor	Number of paper published	Number of paper considered for calculation of average impact factor	Average impact factor
2017-18	IMNU	15	---	---	09	---	---
2016-17	IMNU	08	---	----	09	---	---

Summary

Research Publication by faculty:

Publication in National Journals

No.	Name of authors	Research Paper	Name of Journal	Volume No.	Page No.	Month and year of publication	ISBN / ISSN No. of the Journal
1.	Amola Bhatt and Shahir Bhatt	Impact of Microfinance on Empowerment of Rural Women in Gujarat State of India	PRAJNAN- Journal of Social & Management Sciences	45(4)		2017	0972-4613
2.	Niyati Dave	Quantification of Risk Appetite for Young Professionals: An Empirical Study	Optimization: Journal of Research in Management	9(2)	62-68	2017	0974-0988
3.	Parashar, Sapna, and Sanjay Jain	“Effect of Demographics on Materialism: An Empirical Study	Pacific Business Review International	Vol 10, Issue 2	124-132	2017	

4.	Pingle, Sameer	Drivers of employee engagement at GVK EMRI'	Journal of Strategic Human Resource Management	6 (2)	23-33	June, 2017	2277-2138
5.	Ritesh Patel and Nikunj Patel	Social and Economic Impact of Microfinance on Urban Poor Women: An Empirical Study of Ahmedabad City (India)	IIMS Journal of Management Science	Volume: 8, Issue: 2	110-121	2017	0976-030X
6.	Jain, Sanjay Kumar, and Rajesh Kumar Jain.	Evolution of GMP in Pharmaceutical Industry	Research Journal of Pharmacy and Technology	Vol 10 Issue 2	601-606	2017	0974-3618
7.	Dr. Poonam V. Chhaniwal & Dr. Haresh Barot	Tata Nano to Nano Twist: The study of Marketing & Business Challenges	Journal of IMS Group, Ghaziabad.	Volume 14, Issue 2	NA	July-December, 2017.	0973-824X
8.	Diljeetkaur Makhija, Prof. Pawan Kumar Chugan	Challenges in adoption of RFID Technology: A study of manufacturing organizations	International Journal of Logistics and Supply Chain Management Perspectives	Volume 6, Number 3	3116-3121	July-September 2017	(Print) 2319-9032 (Online) 2319-9040
9.	Meeta Munshi	Significance of cinema in shaping cultural values of young consumers	Asian Journal of Management	Vol. 8 Issue 4	983-988	October-December 2017	0976-495X (Print) 2321-5763 (Online)
10.	Kaushik Patel, Tejas Shah	Analysing Emotional Impact of Sales Promotion on FMCG Products Purchase	jims8m: the journal of indian management & strategy	Vol. 22, Iss. 4	48 - 56	October/November - 2017	0973-9335
11.	Ritesh Patel	Co-Movement and Integration Among Stock Markets : A Study of 14 Countries	Indian Journal of Finance	Volume 11, Issue 2	53-66	August, 2017	0973 - 8711
12.	Panchal, Nilam, Vandana N. Poturaju, and Naresh N. Poturaju.	Stock trading Strategies Shaping Investors Decision Making in Cash Market: A Literature Survey	International Journal of Research in Finance and Marketing	Volume 7, Number 6	119-125	2017	

13.	Patel, Ritesh & Patel Nikunj	Social and economic Impact of Micro-finance on Urban Poor Women: An Empirical Study of Ahmedabad city (India)	IIMS Journal of Management Science (IIM Shilong)	8		May, 2017	0976-030X
14.	Meeta Munshi	Significance of cinema in shaping cultural values of young consumers	Asian Journal of Management	Vol. 8 Issue 4	983-988	October-December 2017	0976-495X (Print) 2321-5763 (Online)
15.	Dr. Ritesh Patel and Dr. Nikunj Patel	Impact of microfinance on poor women: Lessons from North Gujarat	Prabandhan: Indian Journal of Management	Volume 11, Issue 2	14-29	February, 2018	0975-2854

Publications in International Journals

Sr. No.	Name of authors	Research Paper	Name of Journal	Volume No.	Page No.	Month & year of publication	ISBN / ISSN No. of the journal
1	Rao, Indu.	Work-life balance for sustainable human development: Cultural intelligence as enabler	Journal of Human Behavior in the Social Environment	Volume 27, Issue 7	706-713	May, 2017	Print ISSN: 1091-1359 Online ISSN: 1540-3556
2.	Muncherji, Nina	“The Decisive Moment!!!:Suraj’s Dilemma”. Case & Teaching Note	Published in ECCH (The Case Centre), UK			May, 2017	417-0023-1 & 417-0023-8
3.	Trada, Sandip, and Vikas Goyal	The dual effects of perceived unfairness on opportunism in channel relationships	Industrial Marketing Management	Vol 64	135-146	July, 2017	ISSN: 0019-8501
4.	Shah, Charmi, and Shah, Praneti	Influence of Crowdfunding on Innovative Entrepreneurship Eco-Systems in India	Journal of Asia Entrepreneurship and Sustainability	Vol 13, Issue 2	03-28	2017	1177-4541
5.	Gaurav Mishra,	Understanding the Role of Rural Entrepreneurs in Telecentre	Technology Innovation	8(1)	16-23	Jan. 2018	1927-0321

	Balakrishnan Unny R	Sustainability: A Comparative Study of the Akshaya and eSeva Projects in India	Management Review				
6.	Jain, Rajnish; Aagja, Jayesh P & Bagdare, Shilpa	Customer experience – A review and research agenda	Journal of Service Theory and Practice	27, (3)	642-662	May, 2017	2055-6225
7.	Vishalkumar Jani	Is trade in services healthier than trade in goods?	Global Economy Journal	Volume 17, Issue 3	NA	September, 2017	1553-5304
8.	Dr. Poonam V. Chhaniwal & Dr. Haresh Barot	The Journey of Unicorn Uber from San Francisco to International Disruption	Asian Journal of Management Cases, Sage Publications	Volume 15, Issue 1	NA	March, 2018	0972-8201
9.	Dr. Hardik Shah & Dr. Shilpa Surana Jain	Tussle to trust: developing an appreciative climate for a hydro-power organisation in India	International Journal of Intelligent Enterprise	Vol. 4, No. 4	345-360	Dec. 2017	1745-3232 (print),1745-3240 (online)

- International conference, National conference/Seminar including abstracts: **74**

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

(I) Books published : 07

Sl. No.	Name of the Faculty Member	Name of the Book	Name of the Publisher	ISBN Number	Year of Publication
1.	Ashwini K. Awasthi, Nikunj Patel (Eds.)	Research Trends in Economics, Finance and General Management	Excel India	978-93-86256-75-1	2017
2.	Ashwini K. Awasthi, Shahir Bhatt (Eds.)	Research Trends in Marketing Management and Human Resource Management	Excel India	978-93-86256-76-8	2017
3.	Rajesh Kumar Jain, Himanshu M. Trivedi (Eds)	GLocal Challenges: Excellence through Quality & Innovation	ASQ India	978-81-930216-3-7	2017
4.	Nityesh Bhatt, Balakrishnan Unny R. & Shahir Bhatt (Eds)	Business Transformation Through Functional Strategies	McGraw Hill Education (India) Pvt. Ltd.	978-93-87572-22-5	2018

5.	Balakrishnan Unny R., Nityesh Bhatt, & Shahir Bhatt (Eds)	Transformation Through Strategic and Technological Interventions	McGraw Hill Education (India) Pvt. Ltd.	978-93-87572-21-8	2018
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(II) Chapter in Books : 21

(III) Case Studies : 04

- **Ongoing Research Collaboration/New Collaboration** : Empaneled with Advocacy Division, Competition Commission of India for Competition Assessment

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

Institute of Management, Nirma University got South Asian Quality Systems certification by AMDISA

Faculty Achievements

- **Dr. Pawan K. Chugan** has been appointed as Country Chair (India) by Global Business and Technology Association (GBATA), New York, USA for its 20th Internal Conference to be held in Bangkok in July 2018.
- **Dr. Indu Rao** received award from Gems and Jewelry Export Promotion Council (GJEPC), Ministry of Commerce & Industry for her contribution to Indian Diamond Industry.
- **Dr. Indu Rao** was honoured with “Visionary Pioneer towards Entrepreneurship” by Global forum on Women’s Entrepreneurship Day (WED) Celebrations, USA in Nov 2017.
- **Dr. Ashwini Awasthi** received the “Best Professor in Marketing” award at 25th Business School Affaire in October 2017.
- **Prof. Sameer Pingle** was conferred a certificate of distinction for excellence in teaching by HoF University of Applied Science, Germany during International Teaching Week.
- **Prof. Sunita Guru** and Ms. Neha, Ph. D student won ET Case Award for show-casing a futuristic and progressive idea.
- **Prof. Ritesh Patel and Prof. Nikunj Patel** won a best paper award for their paper titled “Searching Habits: An Exploratory Study of Ahmedabad Internet Users” at ET Case Award for show-casing a futuristic and progressive idea.
- **Prof. Ritesh Patel** was awarded Ph.D. (May, 2017) for his Thesis entitled “A Study of Pre & Post Merger Financial & Stock Return Analysis of Selected Indian Banks within Investors’ Perspective” from Gujarat University.

Internal Resources Generated:**(Consultancy, MDP/Programme for industries, any other)****Management Development Programme (In -House) 2017-18**

Sr. No	Name of the Programme	Date	Programme Leader	Participants	Amount
1	Leadership Acceleration Programme (CLAP) For Cadila Pharmaceuticals Ltd	April 21-22, 2017	Prof. Harismita Trivedi Prof. Sapna Parashar Prof. Sameer Pingle Prof. Nina Muncherji	20	75900
2	Project Disha - Dealer Training Programme for Indian Oil Corporation Ltd.	August 18 - 19, 2017	Prof. Nityesh Bhatt	20	200000
3	Brand Translation for Product & Brand Managers, Cadila Pharmaceuticals Ltd.	September 26, 2017	Prof. Sanjay Jain	40	103132
4	In-House Management Development Programme for Johnson Hitachi Air-conditioning	October 03-05, 2017	Prof. Nityesh Bhatt Prof. Hardik Shah	29	124709
5	In-House Management Development Programme for Johnson Hitachi Air-conditioning	30 October - 01 November, 2017	Prof. Nityesh Bhatt Prof. Hardik Shah	31	231040
6	In-House Management Development Programme for Johnson Hitachi Air-conditioning	November 06-08, 2017	Prof. Nityesh Bhatt Prof. Hardik Shah	28	186802
7	In-House Management Development Programme for Johnson Hitachi Air-conditioning	November 13-15, 2017	Prof. Nityesh Bhatt Prof. Hardik Shah	34	229300
8	In-House Management Development Programme for Johnson Hitachi Air-conditioning	November 20-22, 2017	Prof. Nityesh Bhatt Prof. Hardik Shah	41	299914
9	Project Disha - Dealer Training Programme for Indian Oil Corporation Ltd.	November 23 - 24, 2017	Prof. Nityesh Bhatt Prof. Hardik Shah	22	220000
10	In-House Management Development Programme for Johnson Hitachi Air-conditioning	December 04-05, 2017	Prof. Nityesh Bhatt Prof. Hardik Shah	20	191348
11	In-House Management Development Programme for Johnson Hitachi Air-conditioning	December 13-15, 2017	Prof. Nityesh Bhatt Prof. Hardik Shah	21	195099
12	In-House Management Development Programme for Johnson Hitachi Air-conditioning	December 20-22, 2017	Prof. Nityesh Bhatt Prof. Hardik Shah	16	166992
				Total	2224236

Management Development Programme (Open)

Sl. No.	Name of the Programme	Date	Programme Leader	Participants	Amount
1	Decision Making & Problem Solving Skills for Managers	September 14-15, 2017	Prof. Harismita Trivedi & Prof. Sapna Parashar	08	63602
2	Effective Communication for Higher Performance	September 28-30, 2017	Prof. Nityesh Bhatt	12	128862
3	Leadership Style & Skills	December 21-22, 2017	Prof. Harismita Trivedi	08	60298
4	Managerial Skills for Supervisory personnel	February 01-03, 2018	Prof. Sameer Pingle	12	80540
5	Effective Team Building & Leadership	February 21-23, 2018.	Prof. Nina Muncherji	22	141252
	Total				4,74,554

Executive Diploma Programme

Sr. No	Name of the Programme	Date	Programme Leader	Participants	Amount
1.	Executive Diploma Programme in Marketing	July 30, 2017 to April 2018	Prof. Chetan Jhaveri	19	2510000
2.	Executive Diploma Programme in Operations Management	July 30, 2017 to April 2018	Prof. Chetan Jhaveri	29	

Faculty development Programme

Sr. No	Name of the Programme	Date	Programme Leader	participants	Amount
01	Case Teaching Method	September 21, 2017	Prof. P.K Chugan Prof. Praneti Shah	30	IMNU Programme
02	Structural Equation Modeling	December 16, 2017	Prof. P.K Chugan Prof. Praneti Shah	58	IMNU Programme

Summary

Revenue Generated in:

Financial Year	Consultancy	Training
2017-18	---	50,84,180*
2016-17	15,97,750	39,78,541*

* Training includes MDP (in-house and open) and EDP

Extension Activities/Community services by Institute/Department

Managing Social Projects [MSP]

With the objective of sensitizing the students to the larger social concerns, the Institute of Management offers a compulsory field course called "Managing Social Projects". The list where students are doing MSP projects is given below:

Sl. No.	Name of Organization	No. of Students	Topic
1	Blind Peoples' Association	12	Sponsoring Eye Surgeries Improving Facebook page & website On-line E-commerce store
2	DATRI Foundation	43	Awareness Drive at 12 locations Registrations & collecting samples at 5 locations Poster design for awareness Articles for facebook page & blog
3	GVK EMRI 108	12	Project reports not submitted to the undersigned
4	Humankind	22	Good Touch-Bad Touch Financial Literacy in Gandhivaas
5	Jeevdaya	12	Data Analysis & Management Tools Human Behaviour Change Program Corporate Social Responsibility
6	Manav Parivar	23	Helped in conducting medical camps at different locations on Sundays
7	Netrutva Foundation	19	Traffic Awareness Video Making
8	SAATH	20	Nirman –Commercial Application (4) Nirman – Masonary module (4) Nirman – Plumbing module (4) Nirman –Electician module (4) Nirman – Carpentry Module (4)
9	Sense International	23	2 Projects (1) Developing Promotional Materials for the Organization (2) Creating Awareness among the Citizens at Alpha-I Mall
10	St. Xavier's Social Service Society	23	Visits to slums in Ranip & Sanjay Nagar Conducted Seminars for Adolescent girls & youth Seminars on Drug abuse & women empowerment
11	Times Foundation	22	Financial Literacy Good Touch-Bad Touch Pasti ki Masti

SARAL – A Social Initiative: SARAL is a noble initiative that was undertaken by a group of students which was founded in October, 2009. It has been established with the aim of providing education to the underprivileged children of the labourers working in and around the campus. In a short span, it has been successful in making these children a part of the life of the students of IMNU. SARAL is working with other major organizations like IIM-A (Prayaas), MICA and NGOs like Manav Sadhna through events like Sanidhya.

The Rotaract Club: The Rotaract Club of IMNU is a Rotary-sponsored service club. The club provides an opportunity to the youngsters to enhance their knowledge and skills that will help them in personal development, and to address the physical and social needs of their communities. Rotaract organizes events such as Blood Donation Drive and creativity fostering activities like Face Painting and Collage Making. One of the initiatives of the club is the long term mentorship programme that Rotaract has jointly taken up with Manav Sadhna, an NGO in Ahmedabad, which works for betterment of poor and needy children.

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

- (a) HoF University, Germany
- (b) Skyline University College (SUC) , UAE.

IV. INFRASTRUCTURE AND LEARNING RESOURCES

The Institute has added the following equipment to strengthen the infrastructure and facilitate teaching-learning:

<u>Item</u>	<u>Quantity</u>
(1) LCD Projector	03
(2) Projector Screens	03
(3) Collar Mikes	03

Computer facilities: added

(1) Layer 3 HPE Switch to cater 20G network	01
(2) Stabilizer and UPS for network racks	03
(2) Desktop Computers (In Computer Center)	27
(4) Layer 2 HPE Managed Switch to cater 10G network	01
(5) Implementation phase of high speed Campus Fiber Network connecting all 22 Buildings of University and new building	

Computer Centre

The Computer Centre continues to provide computational, network infrastructural facilities, printing facilities and internet/intranet services to the IMNU community.

Wi-Fi, Internal Network and Internet Connectivity:

The Computer Centre manages the IMNU network and is responsible for the availability of intercampus connectivity to all the Institutes, all the three hostels, and the Internet connectivity of IMNU community to the outside world. Implementation of 20G internal network is being carried out and will be completed before the start of this academic year.

A secure wireless service is available across our all campus buildings, classrooms, laboratories and cafeteria. University Campus is having 432 MBPS of high speed fiber internet facility. The University has a 24X7 Wi-Fi facility in the campus buildings available to the faculty members and students laptops. This facility is available on every student personal laptop and is provided free of charge. The students can avail a free Wi-Fi on their laptops and Wi-Fi uses a secured web browser based authentication.

The 10G connectivity is established through a fully networked campus with state-of-the-art IT infrastructure, computing & communication resources, offers faculty members and students the facilities of e-mail, net surfing, up/down loading of web based application, besides helping them in preparing projects & seminars.

The intranet enables close on-line interaction between faculty and students for online interaction. It also access to e-books, study materials, daily communication, etc. through the campus wide Local Area Network. Internet facilities in the well-equipped internet lab, providing high speed of connectivity to the students can surf the net together unlimited information.

Infrastructure at IMNU

More than 200+ Wi-Fi access points are deployed throughout campus building to provide internet connectivity to faculty member and students. This year we are adding 75+ Wi-Fi access points to increase the overall coverage area.

During the year, the total Internet bandwidth for campus users has been increased from 334 Mbps to 432 Mbps. The Computer Centre is satisfied with the quality of service provided by the Internet Service Providers. All faculty members have been provided with laptops along with license software. This year it is decided to increase the bandwidth up to 512 MBPs.

Hardware/Software Infrastructure

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

The Computer Centre will replaced old computer systems in the administrative staff sections of the Institute. The Computer Centre continues to play a secondary role by providing technical support to run the IP-based Security Surveillance Systems and Analog Surveillance System for the Security Section. The Computer Centre runs a Help Desk for all faculty and staff for supporting them in hardware and software related problems.

Library – Learning Resources Added

New books/journals subscribed and their value:

Sr. No.	Titles Purchased (including lending and reference titles)		Reference Books Purchased		Print Journals Subscribed		E-Journals Subscribed	
	No.	Cost	No.	Cost	No.	Cost	No.	Cost
1	975	1,499,927.00	32	1,87,890.29	231	11,12,537.00	12,598	39,86,249.00

V. STUDENT SUPPORT AND PROGRESSION

Cut-off percentage marks – category wise

The data related for admissions 2017-18 pertaining to various academic programmes are presented below:

Sr. No.	Name of Programme/s	No. of Applications Received	Appeared in Written Test	No. of Candidates Short listed for WT/PI	No. of Candidates Appeared in WT/PI	No. of Candidates Registered for the Programme
1	MBA (Full-Time)	3963	1682	1474	1096	General - 223 NRI - 28 Gulf – 05
2	MBA (FB&E)	153	123	123	121	64
3	BBA-MBA	1689	263	411	263	All India + Gujarat Category - 104 Gulf - 03 NRI - 19
4	DPM – UGC NET	58	11	11	06	1
5	DPM – Entrance		47	31	31	5

The cut off marks for short-listing candidates for admitting to MBA (FT) was **80** percentile in CAT; and for BBA-MBA Programme, cut-off was **88** percentile in UGAT.

Students Graduated Data in April 2017

Sl. No.	Name of the Programme	No. of Students Graduated
1	MBA (Full-Time)	227
2	MBA (FB&E)	50
4	DPM	03

Student Achievements

MBA [FT]

Sr. No.	Name of the Participant	Participant's Roll No:	Name of the event going to take part:	Final Result	Appreciation:
1	Vinit Patel	161366	Chanakya	Other	Certificate
2	Hriday Gandhi	161320	Chanakya	Other	Certificate
3	Paavan Desai	161336	Chanakya	Other	Certificate
4	Hitesh Prithiani	171221	Chanakya	Other	Certificate
5	Parth Maheshwari	171231	Chanakya	Other	Certificate
6	Heeral Kamdar	171220	Chanakya	Other	Certificate
7	Tanya Kumar	171360	Chanakya	Other	Certificate
8	Manali Nyati	171130	Chanakya	Other	Certificate
9	Sujay Chopade	171355	Chanakya	Other	Certificate
10	Yash Kunpura	171365	Chanakya	Other	Certificate

Value Added Courses

Enrichment /Value Added Programmes conducted by the Institute for MBA [Programmes]

Certification Programmes Conducted

S. No.	Name of Workshop	Date of Certification Programme	Name of Trainer / Firm
1	Six Sigma Green Belt Certification Program	5th, 6th, 12th and 13th August 2017	KPMG

Enrichment Programmes conducted by the Institute for MBA [Programmes]

S. No.	Name of Workshop	Date of Workshop	Name of Trainer / Firm
1	Design Thinking	17.07.17, 18.07.17 & 21.07.17	Mr. Rohit Swarup – Xplora Design
2	Selling Skills	17.07.17, 18.07.17 & 20.07.17	Mr. Manish Jhurani
3	Outbound Training Program	18.07.17 to 23.07.17	Mr. Pramod – Naman Associates
4	Brain Mapping	17.01.18 to 31.01.18	Mr. Anish Baheti - TrainMyBrain
5	Digital marketing workshop - Social Media Monitoring and Semantria tool	30.01.18	Mr. Abhishek Kashyap
6	Data Analysis	16.03.18 to 20.03.18	Ms. Urvi Malhotra - Skillders
7	Presentation skills	30.03.18 & 31.03.18	Ms. Urvi Malhotra - Skillders

Co-curricular activities organized

EVENTS

Fin Talk: Where the best speakers from the field of finance and economics meet and discuss their insights with the students.

Pre Budget Talk

The much awaited and much discussed budget was tabled in the lower house of Parliament on 1st February. This budget was significant in many aspects. It was the first budget after a major tax reform of GST whereas it was the last full-time budget of a government with such a huge majority formed after around 30 years. The expectations about this budget and the deliverables of the Economic Survey 2018 were discussed in the “Pre-Budget Talk” organized by Finesse Club of IMNU on 30th January 2018. Dr. M. Mallikarjun, Director of IMNU along with Prof. Nisarg Joshi, Prof. Nikunj Patel and Prof. Nirmal Soni discussed their expectations from the Budget 2018. The talk provided a perfect platform for students’ questions and doubts related to equity markets, tax, social reforms, etc.

Meghdhanush

The philosophy of the Bhagavad Gita: ‘Your best friend is yourself and your worst enemy is yourself.’ Such words of wisdom were quoted and re-quoted by none other than Mrs. Sudha Murty, the renowned

Indian Author, Social Worker, and Chairperson – Infosys Foundation, who graced Institute of Management, Nirma University on 17th February, 2018. The event was Meghdhanush organized by the institute in association with Library, IMNU and Sumantra - The Literary Club of IMNU.

E-Insights

It is an event which encourages the student who wants to startup their own venture. Mr. Tanneeru from hyderabad came to the institute to talk and share his experiences of being an entrepreneur and how start-ups can be operated.

Student Clubs in the Institutes/University – activities

Clubs

Various clubs at the Institute fulfill the insatiable need of budding managers of food for thought. The clubs meet weekly and organizes guest lecturers, quizzes and interactive games.

Clique - The IT Club

Clique focuses on enlightening participants about the upcoming trends in technology. The flagship monthly IT newsletter of Clique takes the club a step closer in achieving the goal. Clique has organized various events like Logo/Poster Design Competition, Workshops on frequently used Software in Business Environment, LAN Gaming, etc.

Optimus Club - The Operations and Supply Chain Club

The club endeavors to facilitate sharing of knowledge in fields related to Operations and Supply Chain Management through Guest Lectures, Live Projects, Quizzes, Case Studies and Simulation Game.

Sumantra - The Book Club

The club promotes extra-curricular reading. Sumantra organizes various literary events during the academic year viz. book reviews where avid readers present their take on their favorite books. The Club also organizes one national level event - "Poetry recitation" - aimed to provide a platform to showcase the spirit of poetry alive. The past major poetry recitation events include - "A drop of INK" and "Shabdanjali".

Swayam - The Entrepreneurship Club

Swayam is the ideal place for all the enthused minds who want to set out and make a mark for themselves. It gives a chance to budding entrepreneurs to organize various events and learn the traits of business. The club organizes guest lectures, B-Plan competitions and many more events.

The Rotaract Club

The Rotaract Club of IMNU is a Rotary-sponsored service club whose purpose is to provide an opportunity for youngsters to enhance knowledge and skills that will assist them in personal development, and address the physical and social needs of their communities. The club organized events such as blood donation and creative activities like face painting and collage making.

Fine\$\$e - The Finance Club

Fine\$\$e is one of the oldest and most prestigious clubs of the institute. The objective of the club is to cultivate interest amongst the students in the area of finance and also to increase the visibility of the

institute in the industry by means of constant interaction and knowledge sharing between the Institute and the Financial Sector.

Niche - The Marketing Club

Niche aims to provide opportunities for members to develop marketing skills, undertake marketing exercises and meet marketing professionals. Throughout the academic year Niche organizes exciting and creative events; be it the COPA Marketing Cup, the Treasure Hunt or the Mystic India initiative.

Imprintz - The HR Club

The HR Club believes in people. It regularly innovates and relates real-life situations to organizational behaviour and HR so as to understand these soft concepts easier. This academic year Imprintz has organized a host of events. “Whose line is it anyway?” – The ice breaking event which tested the student's oratory skills.

Chehre - The Dramatics Club

Chehre is the theatre and dramatics club of the Institute where students get an opportunity to showcase their creativity and talent. Chehre organizes workshops on movie making where participants are taught the basics of the trade.

XquizIT - The Quizzing Club

XquizIT was conceptualized as a platform to sharpen the business knowledge and quizzing acumen of the students. Besides, the club is also engaged in identifying talent and preparing teams for inter-college quizzes at various corporate and management quizzing festivals. XquizIT also holds monthly quizzes for the students some of which are TV2Talkies, August Rush, Sports Quiz, etc.

Fiesta - The Music & Dance Club

Fiesta's objective is to promote music and dance activities among the students. It organizes on-campus music and dance events and in the past has hosted Grammy Award winning Mohan Veena player- Pandit Vishwa Mohan Bhatt. Fiesta also conducts Music and Dance workshops for the students to rejuvenate them.

Sports Activities:

The students of IMNU organized various sports activities during the year such as:

- Ice Breaking Tournament 2017
- IMNU Chess League 2017
- Slam Dunk 2017
- Parakram 2017
- CRIC8
- Smashes
- NCL 2018

• Youth welfare and cultural activities

The students of IMNU organized various Cultural activities during the year such as:

- Janmashtami
- Teacher's Day
- Ganesh Chaturthi
- Garba Night
- Uttrayan
- Paint Your Dreams
- Lohri

Talent Night - "APRATIM": A platform for new faces to showcase their talents is organized by Cultural Committee. This is an Ice-breaking event in which all the first year students showcase their talents by performing activities such as dance, song, skit, play etc.

Extra-curricular activities organized in collaboration with other agencies on Campus

Name of Activity / Event	Date	Organizing Club / Committee	Type of Event	Number of Students Participated	Name of Winner(s)
ICE BREAKING, 2017	12-07-2017	Sports Committee	Intra - Institute	260	Teams of Volleyball : Sr. B Throwball : Sr.C Lawn Tennis : Sr.C Table Tennis : Jr. C
SAQS Cultural Evening	13-07-2017	Chehre	Intra - Institute	10	-
Talent Night - "APRATIM"	29-07-2017	Cultural Committee	Intra - Institute	460	No Winners as this was just to showcase the talent
MidNight Mania	11-07-2017	XquizIT	Intra - Institute	60	Deepanshu Vaya Ronak Sethi Pushkar Mundada Hiral Bhatt Pranav Jain
HR Connect	08-08-2017	Imprintz - The HR Club	Intra - Institute	45-50	-
Nandotsav- Janmashtami	15-08-2017	Cultural Committee	Intra - Institute	500	N/A
Slam Dunk	16-08-2017	Sports Committee	Intra - Institute	176	Boys - Junior Section A Girls - Junior Section C
The Showdown	16-08-2017	Expressions	Intra - Institute	230	Juniors- Sec B and Seniors- Sec D
SHOWDOWN	16-08-2017	Expressions	Intra - Institute	400	Juniors-Section B, Seniors-Section D
Break The Code 4.0	09-08-2017	Optimus - The Operations Club	Intra - Institute	135	Hash Jani, Chandan Sarkar, Bhaskar Bhardwaj
Vox Populi	08-11-2017	News Junction	Intra - Institute	96	Ankit Singh Rathore, Divya Madaan, Madhav Gandhi
Anveshan 5.0	09-11-2017	XquizIT	Intra - Institute	male - 36, female - 8	Madhav Gandhi & Ankit Rathore, Abhishek Jiyani & Ashutosh Kumar, Manoj Ramchandani & Siddhant Verma
Jam Session	22-11-2017	Fiesta	Intra - Institute	110	None
Cric8	20-11-2017	Sports Committee	Intra - Institute	150	Argonauts
Smashes	20-11-2017	Sports Committee	Intra - Institute	55	Celestials
IGNUS 2.0	13-11-2017	Clique - The IT Club	Intra - Institute	135	Sumeet Khabiya, Pranav Arora, Ayush Agarwal
INGENIUM	29-11-2017	Imprintz - The HR Club	Intra - Institute	120	Team Minions (Ronak Thakkar, Ruchitha, Himani)

Fin-O-Mania	23-11-2017	Finesse - The Finance Club	Intra - Institute	138	CKC - Denish Mehta, Ankur Mathur, Shubanshu
Festember	01-03-2017	Student Welfare Committee	Intra - Institute	120	Team Amigos
Pehchaan Kaun	20-08-2017	Rotract	Intra - Institute	70	Team MAD, Aladin Mothercluckers!!! Team Metal
COMPLI-CASE 2017	11-10-2017	NiChe - The Marketing Club	Intra - Institute	138	Harsh Jani, Rutvik Joshi and Rutul Chavda
BizQuiz	12-04-2017	XquizIT	Intra - Institute	84	Vinod Sreedhar & Ankur Maheshwari, Kumar Mulani & Chirag Puliya, Sakar Potdar & Kaushal Kotak
Filmy Akhada	05-12-2017	Chehre	Intra - Institute	111	Hiral shah, Surya Singh and Suraj Chopade
Filmy Akhada	05-12-2017	Chehre	Intra - Institute	111	Hiral shah, Surya Singh and Suraj Chopade
Monopoly	13-12-2017	Swayam - The Entrepreneurship Club	Intra - Institute	80	Argonauts
Sportify	15-12-2017	XquizIT	Intra - Institute	90	Harsh Dubey & Harshit Barai, Shashwat Kaushik & Shantanu Gupte, Kumar Mulani & Soumya Bakshi
CYCLOTHON	17-12-2017	Rotract	Intra - Institute	95	-
Game of Tones	18-12-2017	Fiesta	Inter - Institute	110	Shreya Khare, Bhargava ,Chaitanya Bhatt
Roomies	07-12-2017	Expressions	Intra - Institute	104	Tanya Kumar & Sanskriti Choudhary, Ankit Singh Rathore & Siddh Shah
Zumba workshop	15-12-2017	Fiesta	Intra - Institute	120	NA
Game of tones	18-12-2017	Fiesta	Intra - Institute	110	Team Aristocrats
Brain Lits'17	12-06-2017	Sumantra - The Book Club	Intra - Institute	56	3
Paradigm 2.0	19-12-2017	News Junction	Intra - Institute	114	Aditya Jakhotia, Brahmjot Lamba
Junk to jewel	10-08-2017	Swayam - The Entrepreneurship Club	Intra - Institute	70-80	Bhumi Joshi and Team
Lohri	13-01-2018	Cultural Committee	Intra - Institute	300	N/A
Uttarayan	14-01-2018	Cultural Committee	Intra - Institute	150	N/A
Brandwizer	27-07-2017	NiChe - The Marketing Club	Intra - Institute	200	3
Compli-Case	11-09-2017	NiChe - The Marketing Club	Intra - Institute	150	Harshi Jani, Rutul, Rutvik
Rannbhoomi	06-11-2017	NiChe - The Marketing Club	Intra - Institute	350	Celestials

Brandwizer	27-07-2017	NiChe - The Marketing Club	Intra - Institute	200	Rudraksh, Rehan
E-Insights	01-12-2017	Swayam - The Entrepreneurship Club	Intra - Institute	60	None
Mini Militia	23-01-2018	Clique - The IT Club	Intra - Institute	Female - 1; Male - 32	Ziya Siddiqui, Meet Patel, Ayush Dube, Madhur Agarwal, Sai Krishna
PARAKRAM	26-01-2018	Sports Committee	Inter - Institute	240	Institute of Management, Nirma University team
paintball	04-02-2018	Imprintz - The HR Club	Intra - Institute	200	team 511
spotlight - TV SERIES QUIZ	06-02-2018	XquizIT	Intra - Institute	30	Vaibhav Gala, Pranav Jain and Kalpesh Apurva, Abhishek Gautam and Ankita Gupta Ayushi Tomar, Deepanshu Vaya and Bhavya Jha
Perspective Richter 10	18-01-2018	Cultural Committee	Inter - Institute	400	Multiple
SPIC MACAY	16-01-2018	Fiesta	Inter - Institute	-	-
ShutterBug	21-12-2017	Pratikriti	Intra - Institute	40	Abhishek Gupta
Ops quotient	17-02-2018	Optimus - The Operations Club	Inter - Institute	60	N/A
Creative Cut	10-02-2018	Chehre	Inter - Institute	7 teams	Conquerors- IMNU
OP-STRAT	21-02-2018	Optimus - The Operations Club	Intra - Institute	150-160	Dylan Quadros, Gopal Bhansal, Ankush Jain
NCL	11-02-2018	Sports Committee	Intra - Institute	800	Champions - Conquerors Runner - up - Celestials Most valuable player boys - Samarth Tiwari Most valuable player girl - Aishwarya Suresh
Zero Ping	05-02-2018	Clique - The IT Club	Intra - Institute	75	Utsav Shah, Parth Shah, kartikey Jain, Samarth Tiwari, Prashant Purohit
Paint Your Dreams	04-03-2018	Cultural Committee	Intra - Institute	50 Students and 320 kids from NGOs	No winner
FINAL FRAY	10-03-2018	Imprintz - The HR Club	Intra - Institute	80	Yatharth and Brahmjot
Business Tantra	11-03-2018	Finesse - The Finance Club	Inter - Institute	1100	Winners: 1 Team from IRMA, Runners Up: 1 Team from IIFT New Delhi
Carnival 18	05-03-2018	Fiesta	Inter - Institute	1000	Rhythm winners: Group Dance- Shehenshahs Group Singing- Aristocrats

					Duet Dance- Aravintha and Devashree Duet Singing- Miraj and Rahul Solo Singing- Uplabdh Vajpayee Solo Dance- Bhavya Jha
Street smart2018	05-03-2018	Swayam - The Entrepreneurship Club	Intra - Institute	60	Aayushi Goel, Kriti, Mudra
Apphendre'18	12-03-2018	Student Welfare Committee	Intra - Institute	40	NA
Life@IMNU	12-03-2018	Student Welfare Committee	Intra - Institute	80	Nirma 0 km: Jibin, Rachit, Goutham, Neha, Iffat Eat play premiere : Parth, Shivani, Nitya Srivastava
Qriosity	05-03-2018	News Junction	Inter - Institute	300	Raheen Taj, Kumar Mulani, Stuti Buch
MARKET 2025	09-03-2018	NiChe - The Marketing Club	Inter - Institute	236	12

BIZ-QUIZ by XQuizIt Club (13th Nov, 2017)

BIZ-QUIZ (Business quiz) was 2nd event organized by the club XQuizIT. Focused on the recent happenings in the world of business. All three rounds were offline with 84 participants which covered multiple genres.

Richter-10: Richter-10 is Inter B-School Annual Cultural Fest held on the campus, where around 20 events with participation of more than 300 students from 30-35 B-Schools across India were held this year. Besides, the Richter also organizes Star Night in which a well renowned personality comes and performs live.

Perspective - The Academic Meet:

The Institute organizes an academic meet called 'Perspective' for B-School students every year. The meet deals in 'perceiving what is beyond the common sight'.

Alumni Association: Activities Supporting Students

Alumni Meets

8 alumni meets were held this year in the cities of Mumbai, Delhi, Bangalore and Ahmedabad with around 350 alumni participating in these events.

Admissions

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

The following alumni had involved as a panel member for Admission Interviews during March 2018:

Alumni name	Name of Organization	Designation	Batch
Abhishek Srivastava	<u>Practo</u>	Senior Territory Manager enterprise sales	2010-2012

Anjan Goswami	In2IT Technologies Ltd.	Deputy General Manager for infrastructure services and products	2004-2006
Ankit Mathur	Amazon	Global Portfolio Manager	2010-2012
Ankita Sharma	Infosys Ltd.	Senior Associate Consultant	2011-2013
Charul Mohta	CGI	Lead Business Analyst	2005-2007
Gaurav Kulkarni	BNY Mellon	Senior Analyst	2012-2014
Hrishikesh Deshmukh	BNY Mellon	Associate Program Manager	2004-2006
Joe Koshy	Cognizant Business Consulting	Senior Consultant to Google	2006-2008
Karan Goyal	<u>Bharat Electronics, Ministry of Defence</u>	Asst. Manager - HR	2009-2011
Manish Mehrishi	Popp Advertising	Owner	1996-1998
Mukesh Goyal	Printed Electronics	Director	2001-2003
Naveen Kejriwal	Lenovo	General Manager - Eastern India	1998-2000
Pankush Kapoor	Neilsen India	Consultant- On Secondment	2011-2013
Pritisha Ganguly	TCS	HR Executive-Resource Management	2011-2013
Ronak Shah	TCS	Pre-sales Consultant	2015-2017
Sahaj Agarwal	Kotak Securities	Head of research, derivatives	2004-2006
Sandeep Singh	Pwc SDC	Senior Consultant	2006-2008
Sapan Oza	TCS	Regional Manager	1999-2001
Saurabh Shah	Shah Engineering Stores Corporation	Owner	1999-2001
Suny Suri	Food Corporation of India	Assistant General Manager	2009-2011
Tanvi Dhamjia	Indiavaale	Founder	2009-2011
Vipin Garg	Societe Generale	Senior Associate	2008-2010

Institute Lecture Series (Alumni)

Sr. No	Name of Expert, Designation & Organization	Topic	Date
1	Mr. Vishal Thakkar, Founder Director, Tridha Advisory Pvt. Ltd.	From Ideas to Implementation	03/01/2018
2	Mr. Naresh Golani, Associate Director, CARE Ratings	From Ideas to Implementation	03/01/2018
3	Mrs. Shalu Sood, Head – HR, Service Delivery Unit, Sterlite Technologies Ltd.	From Ideas to Implementation	03/01/2018
4	Mr. Sekhar Kumar Anupindi, DGM (Aerospace quality) at BEML	From Ideas to Implementation	03/01/2018
5	Mrs. Aditi Jain, Corporate Manager (Strategic HR and Talent Management) at Reliance General Insurance	From Ideas to Implementation	03/01/2018
6	Mr. Naveen Kejriwal, General Manager (Eastern India and Overseas) at Lenovo	From Ideas to Implementation	03/01/2018
7	Mrs. Gunjan Yogendra, Senior Manager (Digital & Analytics), Genpact	From Ideas to Implementation	03/01/2018
8	Mr. Tapan Jena, Group CEO, Sunheart Tiles	From Ideas to Implementation	03/01/2018
9	Mr. Deepak Acharya, COO, Inox India	From Ideas to Implementation	03/01/2018
10	Mr. Lalit Sharma, Head of Excellence (CRM) at Cybage	From Ideas to Implementation	03/01/2018
11	Mrs. Neha Gupta, Associate Director at Flipkart	From Ideas to Implementation	03/01/2018

12	Mr. Anay Mashruwala, Coach of Innovation and Incubation Centre/ Partner – Head of Marketing at PDPV/Venus Engg. Works	From Ideas to Implementation	03/01/2018
13	Mr. Mohit Mangal, MD and CEO at iQue Ideas Pvt. Ltd.	From Ideas to Implementation	03/01/2018
14	Mr. Ateet Bajaj, founder at Star51.com	From Ideas to Implementation	03/01/2018

Placements

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

S. No.	Name of Alumni	Designation	Name of Organization
1	Mitul Budhabhatti	Asst. General Manager	CARE
2	Naresh Golani	Group Head (Corporate Ratings - Large Corporate)	CARE
3	Deval Sarang	Corporate Sales Manager	HDFC Standard Life Insurance Company Ltd.
4	Shivani Vora	Sr. Associate Lead - Talent Acquisition	Infosys Ltd.
5	Harleen Sodhi	Lead – Talent Acquisition	Infosys Ltd.
6	Sapan Oza	Business Development Manager	Tata Consultancy Services Ltd.
7	Jyotindra Patel	Senior Process Manager	Tata Consultancy Services Ltd.
8	Alankar Singh	Business Development Manager	Everest Instruments
9	Mohit Mangal	MD & CEO	iQue Ideas
10	Parthiv Shah	DVP	HDFC Bank

Placements: Counselling and Training

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

Faculty Guidance and Counseling Unit

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

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

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

- Mentoring also contributes to social development of creating awareness, enhancing knowledge, promoting sociability and a sense of community living and making people conscious of their surroundings and development of organizational effectiveness.

Final Placements – Batch 2016-18

- The institute like all previous years had impressive campus recruitments with over 75 companies visiting the campus for final placements. More than 15 sectors recruited which primarily included IT&ITES, BFSI, FMCG, E-Commerce, Engineering & Manufacturing, Pharma, Power, Real Estate, Telecom and Consulting with average annual salary at INR 8.21 lacs. Eight students had received Pre-Placement offers.
- The institute also boasts of a 4278 strong alumni network serving in various organizations in leadership and senior management roles and engages them to mentor the students in various engagement platforms like alumni meets, conclaves, mock PI, guest lectures and student engagement programmes, to name a few.

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Institute of Pharmacy

Outstanding Achievements and important activities

1. Institute of Pharmacy has received 16th rank at all India level by NIRF (National Institutional Ranking Framework), MHRD (Ministry of Human Resource Development, Govt. of India.) in 2017.

Dignitaries visited Institute of Pharmacy

1. Shri Sirish G. Belapure, Managing Director, Zydus Hospira Oncology Pvt. Ltd, was the Chief guest on the occasion of Foundation day 2017 celebration on 4th October, 2017.
2. Prof. S. H. Ansari, Faculty of Pharmacy, Jamia Hamdard, Hamdard Nagar, New Delhi visited the Institute and interacted with faculties on 2nd December, 2017.
3. Prof. Y. K. Gupta, Professor and Head, Department of Pharmacology, President, Indian Society of Nanomedicine, New Delhi visited the Institute and interacted with students and faculties on 23rd November, 2017.
4. Dr. Ciddi Veeresham, Professor, Kakatiya University, Warangal visited the institute on 03/03/18 for Ph. D viva.
5. Dr. Ashok Omray, President, Ideal Cures Pvt. Ltd. Mumbai visited the institute on 03/03/18 for Ph. D viva and interacted with the M. Pharm students.

The following members visited Institute of Pharmacy during Institute Advisory Committee (IAC) Meeting on 3rd March, 2018

1. Prof. A. K. Chakraborti Professor and Head, Department of Medicinal Chemistry, and Dean, National Institute of Pharmaceutical Education and Research (NIPER), Mohali.
2. Dr. Kiran Kalia, Director, NIPER, Ahmedabad.
3. Dr. Mukul R. Jain, Senior Vice President-Pharmacology, Head, Nonclinical Research & Development Zydus Research Centre, Cadila Healthcare Limited.
4. Dr. Shiv Prakash Ratnam, Synchron Research Services Private Limited, Ahmedabad.

Following dignitaries visited Institute of Pharmacy for orientation programme for M. Pharm. New Entrants during 17th to 25th July, 2017 and B. Pharm. New Entrants between 25th to 29th September, 2017:

1. Dr. Abhijeet Gothoskar, Mr. J. K. Raval, Mr. Vikalp Patel, Vikram Thermo India Limited, India
2. Dr. Mitesh Kumar Scientist B, INFLIBNET Centre, Gandhinagar
3. Dr. Bhaswat Chakraborty, Senior Vice President, Research and Development Core Committee, Cadila Pharmaceuticals Ltd., Ahmadabad
4. Dr. Anupama Ramkumar, CEO, Arkus Research Pvt. Ltd., Ahmedabad
5. Mr. Farhat Umar, VP, HR Learning and Development, Amneal Pharmaceuticals, Ahmedabad
6. Mr. Vivek Randeria, Corporate Trainer, HUNCH Consultant, Ahmedabad
7. Ms. Leena Sharma, Manager – Strategic Marketing, Piramal Enterprises Ltd
8. Mr. Chandrashekhar Vithal, Machana, Librarian, AURO University, Surat
9. Mr. Dinesh Pradhan, Scientist – B, INFLIBNET, Gandhinagar
10. Dr. Kiran Kalia, Director, NIPER, Ahmedabad
11. Prof. V. R. Iyer, Professor, School of Engineering and Applied Science
12. Dr. D. D. Santani, Ex-Director, ISF College of Pharmacy, Moga

13. Dr. Anil Khatri, Director, Thalassemia Jagruti Foundation & Pediatrician, Jeevandeep Hospital, Ahmedabad
14. Mr. Ashwin Parikh, Director, International Business Development, Ahmedabad

I- Curricular Aspects:

- **No. of courses where major revision is made:**

The courses and the teaching and examination scheme of B. Pharm. Sem III, Sem IV and M. Pharm. Sem III were re-designed as per the norms prescribed by the Pharmacy Council of India (PCI).

II- Teaching-Learning and Evaluation

Faculty completed/pursuing Ph.D

- Mr. Nrupesh Patel completed his Ph.D. from Nirma University on the topic “Analytical Method Development, Validation and Impurity Profiling of Dosage Forms of Anti-Allergic Drug” under guidance of Dr. Anuradha K. Gajjar.
- Ms. Nagja Tripathi, completed her Ph.D. from Nirma University on the topic “Development, Optimization and Evaluation of a Polyherbal Formulation for Anti-diabetic activity” under the guidance of Dr. Sanjeev R. Acharya.
- Ms. Palak K. Parikh is pursuing Ph.D. from Nirma University on the topic “Design, Synthesis & Biological Evaluation of Substituted Heterocyclic Compounds as Anticancer Agents” under the guidance of Prof. Manjunath D. Ghate.

Innovation in Teaching - learning & evaluation

- Dr. Mayur Patel used Piazza software for B. Pharm students to improve interaction with students as teaching learning methodology.
- All the faculty course co-ordinators of B. Pharm. Sem II have implemented OBE-AOL for all the courses.
- Dr. Bhoomika M. Patel used MINDOMO and PADLET for the first time as an interactive tool for mind mapping for students of B. Pharm. Sem VI. The tool was used for teaching, learning and evaluation of the students.
- Dr. Bhumika Patel used MINDOMO for B.Pharm. Semester VIII students to prepare their own mind maps of any topics they are interested in. To give them a hands on practice of it, their CE III assignment was given on MINDOMO.
- Dr. Jigar Shah used Padlet and Google classroom as ICT based teaching and learning tool for B. Pharm. Semester V & VII students as a part of teaching learning methodology.
- Dr. Shraddha Bhadada had conducted debate and case study method of teaching in the B.Pharm sem VII for the course of Fundamentals of Toxicology.
- Dr. Bhoomika M. Patel used Google classroom for sharing videos pertaining different topics in B.Pharm sem VII for the course of Clinical Pharmacy.
- Dr. Dipal Gandhi carried out evaluation for B. Pharm Semester V and IV students using EDMODO software and google classroom for B. Pharm students
- Dr. Niyati Acharya gave group activity to increase class participation in CNP course of B. Pharm. Semester VII students and she used Google classroom for nutraceuticals labelling exercise and CE
- Dr. Nagja Tripathi used Google classroom for conducting CE for B.Pharm. Sem III students for Phytopharmaceuticals II course.
- Dr. Bhoomika Patel conducted open book examination for students of B. Pharm. Sem VII for the course of Clinical Pharmacy.

- Dr. Jigna Shah designed a group activity for M. Pharm. Sem I students for the course of Advanced Pharmacology-I with a view to increase awareness related to recent trends in physiology and medicine.
- Dr. Niyati Acharya conducted open book open web test as a part of continuous evaluation for the course of Regulatory Aspects of Food & Nutraceuticals in M. Pharm in Regulatory Affairs on 07/03/18.
- Dr. Dipal Gandhi has used google classroom for submission of assignments in a form of poster for M. Pharm semester II and B. Pharm semester VIII students.
- Dr. Jigna Shah conducted mock IRB in the subject Clinical Research and Pharmacovigilance and gave group activity for ICF to encourage discussions among the students of M. Pharm. (Pharmacology) Sem II students.

Activities to sustain healthy practices:

- Lecture on “ Attainment of POs and Assurance of Learning” was organized by Dr. Dhaivat Parikh and Dr. Dipal Gandhi for faculties on 19th March, 2018.
- Institute has prepared QR codes for assessing video for usage of sophisticated instruments.
- IQAC-I in association with Academia and Industrial Bridging Association (AIBA) has organized a knowledge sharing activity for students and faculties by the Industrial experts in Expert Lecture Series: Career Avenues in Pharmacy” on 18/11/17.
- Mr. Virendra Goswami, Librarian delivered a lecture on ORCID ID & ZOTERO on October 12, 2017 for M.Pharm Semester - I and III.
- Team teaching of various topics was done by faculties in B.Pharm and M.Pharm.

Exam Reforms implemented:

Course work examination for Ph. D students was revised. The course work examination includes written exam and semester end exam. The scheme of course work evaluation was finalized.

Number of faculty development programmes availed by faculty:

- Dr. Mohit Shah attended 2 weeks Research Orientation Program organized by ADR Cell, Nirma University during 5-17 June 2017.
- All the faculty attended the STTP on “Transforming Higher Education Through Innovative Pedagogical Tools” from July 1-15, 2017 held at Institute of Pharmacy, Nirma University.
- Ms. Nagja Tripathi attended a two-day Workshop on "Digital Era Tools for Teaching-Learning" organized by Academic and Research (ADR) Cell, Nirma University during September 15-16, 2017.
- Dr. Charmy Kothari and Mr. Nrupesh Patel attended national food Pharma Summit at Narayani Heights organized by Elets Technomedia Pvt Ltd., with M. Pharm. students of Department of Pharmaceutical Analysis on 28th August 2017.
- Dr. Bhumika Patel attended two days Workshop on “Digital Era Tools for Teaching-Learning” organized by Academic and Research (ADR) Cell, Nirma University during September 15-16, 2017.
- Dr. Hardik Bhatt, Dr. Shraddha Bhadada, Dr. Bhoomika M. Patel and Dr. Mayur Patel attended Two days refresher course organized by Institute of Pharmacy, Nirma University, Ahmedabad in association with Gujarat State Pharmacy Council on September 16-17, 2017.
- Lecture series for B. Pharm Sem VII, all M. Pharm, PhD students and faculties on "Newer Career Opportunities in Industry" was organized by IQAC on 18th November, 2017.

- Dr. Jigna Shah and Dr. Bhoomika M. Patel attended two days training programmes for Nominees of “CPCSEA” organized by the Committee for the Purpose of Control and Supervision of Experiments on Animals at Indira Gandhi Paryavaran Bhawan, New Delhi on 6-7th December, 2017.
- All the faculty attended three days International Conference (NIPiCON – 2018) organized by Institute of Pharmacy, Nirma University, Ahmedabad on theme “Innovation in Pharmaceutical Research by Interdisciplinary Approach” during 23rd-25th January, 2018.
- Dr. Shital Butani, Dr. Jigar Shah, Dr. Vivek Vyas and Dr. Nagja Tripathi attended two days workshop entitled “Intellectual property-Idea to asset” jointly organized by Directorate of Research and Innovation, Nirma University and Intellectual Property Protection Organization Pvt. Ltd. (IPPO) during February 2-3, 2018.
- Dr. Nagja Tripathi, Dr. Nrupesh Patel and Ms. Palak K. Parikh attended O2h Innovation Conference - Ahmedabad 2018 organized by Oxygen Healthcare, Ahmedabad on 15th March 2018 at Hyatt Vastrapur, Ahmedabad.

**Number of Faculty Development Programmes organized by the Institute
(Categories: Refresher/STTP, Induction, computer application, soft skills, pedagogy, quality)**

- Institute has organized STTP on “Transforming Higher Education Through Innovative Pedagogical Tools” from July 1-15, 2017 at Institute of Pharmacy, Nirma University.
- Institute organized “Refresher course for Registered Pharmacist” supported by Gujarat State Pharmacy Council during 16th-17th September, 2017.
- Three days International Conference (NIPiCON – 2018) was organized by Institute of Pharmacy, Nirma University, Ahmedabad on theme “Innovation in Pharmaceutical Research by Interdisciplinary Approach” on 23rd -25th January, 2018.
- Institute organized “Refresher course for Registered Pharmacist” supported by Gujarat State Pharmacy Council during 3rd -4th February, 2017.
- Public lecture by Ms. Rujuta Diwekar, Sports Science and Nutrition Expert, Celebrity Nutritionist, Mumbai was arranged on September 11, 2017 at NIM auditorium wherein more than 200 participants from outside Nirma University participated.
- Public lecture by Dr. Raghuvir Chaudhary, Novelist, Poet and critic, Jnanpith Award winner, Gujarati Literature, Ahmedabad, was arranged on March 6, 2018.
- Department of Pharmacognosy organized Seminar on ‘Natural Medicines, Nutraceuticals and Herbal Cosmetics’ under the aegis of CCE on 19th August 2017.
- Department of Pharmaceutics organized CCE event, Hands-on-Training on "Formulation and Characterization of Nanoparticulate Drug Delivery Systems" on 16th September, 2017.
- Department of Pharmacology organized CCE event, One Day Workshop on “Medical Writing”, on 21st September, 2017.
- A workshop for the UG & PG students of Institute of Pharmacy titled “Hands on Training for HPLC & GC” was conducted by Pharmaceutical Analysis Department, Institute of Pharmacy under Center of Continuing Education Nirma University on 03rd November 2017.
- Department of Pharmacognosy organized One Day Workshop on "Application of Analytical technology for Herbal Drugs Research" on 6th January, 2018 (Saturday), organized by CCE, Nirma University.
- Department of Pharmaceutical Chemistry organized Workshop on Computer Aided Drug Design Software on 17th February, 2018 under the banner of CCE, Nirma University.

Invited/endowment lectures

Delivered by resource person:

- Dr. Pina J. Trivedi, Junior Scientific Officer, In Charge, Cell Biology Division, Gujarat Cancer & Research Institute, Ahmedabad delivered guest lecture on “Genetics and Genetic disorders” on 06/05/2017.
- Dr. Anupama Ramkumar, Director, Arkus CTSS, Ahmedabad delivered a Guest Lecture on "Pharmacovigilance - Closing the loop" on 21st April, 2017 for M.Pharm Semester-II, IV and Ph.D. Scholars.
- Ms. Mitul Chatterjee, Director, Regulatory Affairs, Amneal Pharmaceuticals, Ahmedabad delivered a Guest Lecture on "ANDA Submission---How to comply with Agency’s RTR Standards" on 25th April, 2017 for M.Pharm Semester-II, IV and Ph.D. Scholars.
- An interactive session of Professor Rishi Shanker, Consultant, Centre for Innovation and translational research, was arranged for students of M. Pharm. (Pharmacology) on 01st August, 2017.
- Dr. Radhakrishna Uppala, Director of Epigenomics & Research Scientist, Department of Obstetrics and Gynecology Oakland University, USA delivered guest lecture on “Epigenetic markers and Other Epigenetic regulatory Signaling Pathway Genes Associated with congenital heart defects” on August 02, 2017 for faculty members, M.Pharm, M.Sc. and Ph.D students of Institute of Pharmacy and Institute of Science.
- Dr. Rema Razdan, Professor, Al-Ameen College of Pharmacy delivered guest lecture on "A study of zoledronic acid functionalized hydroxyapatite nano formulation for treatment of osteoporosis” on August 09, 2017.
- Interactive session of Dr. M. N. Saraf, Principal, Bombay college of Pharmacy was arranged for students of M. Pharm. on August 22, 2017.
- Prof. Krishna Mohan Chinnala, Dean, School of Pharmacy, Nalla Narasimha Reddy Education Society's Group institutions, Hyderabad delivered guest lecture on "Genetics and Pharmaceuticals” on 8th September, 2017.
- A Guest lecture for the B. Pharm. Sem III students was arranged on 18th Sept. 2017 by inviting Mr. Narendra Dabhi, Om Engineers as a part of lecture series on Entrepreneurship.
- Guest lecture for the B. Pharm. Sem III students on 27th Nov. 2017 was arranged by inviting Mr. Anay Mashruwala, Director, Venus Engineering Works as a part of lecture series on Entrepreneurship.
- Dr. R.K. Parikh, Ex. HOD, Department of Pharmaceutics, L.M. College of Pharmacy Ahmedabad delivered guest lecture entitled “Preformulation Study: Important Tool for Formulation Development" for BPharm Semester VII and MPharm Students on 27/11/2017.
- A Guest lecture for the B. Pharm. Sem III students on 13th Oct. 2017 was arranged by inviting Mr. Kaushik Akiwatkar, Business Strategist as a part of lecture series on Entrepreneurship.
- Dr. Sharad Gupta, Assistant Professor, Department of Electrical Engineering, IIT Gandhinagar, delivered guest lecture on “The role of Post Translational Modifications (PTMs) in Neurodegenerative disorders” on 13th November 2017 for students of M. Pharm. Sem I and III.
- Dr. Mahesh M. Ghaisas, Professor, Department of Pharmacology, Indira College of Pharmacy, Pune delivered guest lecture on “Writing for scientific and medical manuscript” on 17th November, 2017.

- Dr. Milan Satia, CEO, Ethicare Research Centre, delivered guest lecture entitled “Fundamentals of clinical trials, its conduction and management: A practical Approach” for students of M. Pharm. Sem I on 18th November, 2017.
- Prof. Gaurang B. Shah, Professor, L. M. College of Pharmacy delivered guest lecture on "Screening of anti-cancer agents" for students of M. Pharm. Sem I on 27th November, 2017.
- Dr. Devang Patel, Senior Manager, ELC Group Pvt. Ltd, Ahmedabad delivered guest lecture on “Ethics in Clinical Research” for the students of M.Pharm sem III on October 7, 2017.
- Mr. Kamal Kumar Kar delivered guest lecture for sensitizing students for Social Extension Activity on 3rd November, 2017.
- Prof. Rakesh S. Srivastava, Head, Department of Computer Applications, M.S. University, Baroda delivered guest lecture for Ph.D. Scholars, M. Pharm. Semester I and III students of Pharmacy, Nirma University on "Bio- statistic Principle Applied in Clinical Research" on 01/12/2017.
- Dr. Anita Mahapatra, Assistant Professor, Dept. of Natural Products, National Institute of Pharmaceutical Education and Research – Ahmedabad delivered guest lecture on the topic “Chemistry and Drug development: Artemisinin” for B.Pharm Semester-VII, M. Pharm. Semester-I students of Pharm. Chemistry and Ph.D. Scholars on 28/11/2017.
- Dr. Brijesh Srivastava, Deputy General Manager, Zydus Research Centre, Ahmedabad delivered a Guest Lecture on “Recent strategies for the design of anti-cancer agents with a support of case study of ZYTP1" on 24/11/2017.
- Dr. Sanjay Kumar, General Manager, Department of Medicinal Chemistry, Zydus Research Centre, Ahmedabad delivered a Guest Lecture on "Role of Stereochemistry in Drug Design & Development” on 29/11/2017.
- Dr. Satyendra Mishra, Assistant Professor, Chemistry Department, Institute of Advanced Research, Gandhinagar delivered a Guest Lecture on “Design of Peptidomimetic Drugs" on 09/11/2017.
- Mr. Niraj Shah, Scientific Writer, PPD, Hyderabad delivered guest lecture on Medical writing on 5th January, 2018.
- Dr. Anupama Ramkumar, Director, Arkus Ltd. delivered guest lecture entitled “Medical Writing” on 7th January, 2018 for students of M. Pharm. Sem IV.
- Prof. Sunil Jambhekar (LECOM School of Pharmacy, Bradenton, Florida, USA) delivered guest lecture entitled “Applications of Pharmacokinetics in Research" for M.Pharm students and Ph.D research Scholars on 22nd and 31st January, 2018.
- Dr. Heena Dave (Cancer Biologist) delivered guest lecture entitled "An Overview on Various Types of Microscopy" for B.Pharm. Semester - IV students on 22nd January, 2018.
- Dr. Bipin Pandey, Director, Centre of Excellence, Saurashtra University, Rajkot delivered guest lecture entitled “Introduction to Peptidomimetics” on 29th January 2018.
- Dr. Ashok Omray, President, Ideal Cures Pvt. Ltd. Mumbai delivered guest lecture entitled “Industry based pharmacy research” on 3rd March, 2018.
- Dr. P.G. Shrotriya, Former Director, NMIMS, Mumbai delivered guest lecture entitled “Skill Development - Interlinking Subjects, Case studies" for students of M. Pharm sem II on 14th March 2018.
- Dr. Bhaswat Chakraborty, Ex-Vice President, Cadila Pharmaceuticals, Ahmedabad delivered guest lecture entitled “Ethics in Pharmacy Profession” on 17th March, 2018 for students of B.Pharm sem IV.

Delivered by faculty:

- Dr. Niyati has delivered an expert lecture on "Ayurvedic cosmetics - A new frontier, Skin whitening/lightening agents from Ayurveda" on 17th June 2017 , Saturday at CIPI (Cosmetic ingredients and Packaging India) organized by The Ideas Exchange organises Professional Beauty India , at Hotel Royal Heights, Ahmedabad.
- Dr. Niyati Acharya, Head, Department of Pharmacognosy delivered an expert talk on "Standardization of Herbal Cosmetics and Modern Analytical Methods" at National Workshop on 'Advanced Instrumental Techniques in Herbal Drug Research" on 29th April 2017. The workshop was sponsored by ICMR and organized by Atmiya Institute of Pharmacy in collaboration with Shree M. & N. Virani Science College, Rajkot.
- Dr. Tejal Mehta delivered a talk on "Effective patient counselling-need of day" in two days Refresher Course for Registered Pharmacist at SSR College of Pharmacy Silvassa 22-23rd July, 2017.
- Dr. Bhoomika M. Patel was invited as speaker and delivered a talk entitled "Patient Counselling: Is it Possible?" at Gujarat State Pharmacy Council Sponsored Two Day Refresher Course organized by L. J. Institute of Pharmacy, Ahmedabad on 5th-6th August, 2017.
- Dr. Snehal Patel delivered a guest lecture on Recent Advances in Treatment of Myocardial infarction at Institute of Pharmacy, Parul University on 23rd August 2017.
- Dr. Charmy Kothari was invited as an expert to impart training to the newly recruited employees of Sun Pharmaceuticals Ltd., at Technical Training Academy, Sun Pharmaceutical Industries Ltd, Vadodara, on Regulatory Submission Process for India Market during 8-9 September, 2017.
- Dr. Tejal Mehta delivered a talk on "Revelation for new edge of medical devices: Drug Delivery & Regulatory Facet" "in one day GUJCOST sponsored national seminar on "Treading Towards Progress of Pharma Industry" on 23rd September at L. M. College of Pharmacy, Ahmedabad.
- Dr. Tejal Mehta delivered invited lecture titled on "Solid lipid nanoparticles: A novel approach for the management of fungal diseases" in NanoSciTech Conference , 9-10 November, 2017, Chandigarh, Panjab.
- Dr. Tejal Mehta was invited to deliver lecture on " Optimization using Factorial design" in GUJCOST sponsored national seminar on Optimization and Screening of Variables by DoE" on 7th October, 2017.
- Dr. Tejal Mehta was invited to deliver lecture on "Drug information for Patient Counselling" in two days Refresher Course at SAL Institute of Pharmacy, on 8th October, 2017.

- Dr. Hardik Bhatt delivered guest Lecture entitled “Strategy for Development of Dual Kinase Inhibitors for Cancer Treatment” at National Conference on Materials in Chemistry and Biologics organized by Indian Institute of Technology - Gandhinagar on January 4-5, 2018.
- Dr. Jigna Shah delivered lecture on “Pathophysiology and treatment of Alzheimer’s disease” at Shri Sarvajanic Pharmacy College, Mehsana on 10th January 2018.
- Dr. Bhoomika M. Patel delivered a talk entitled “HDAC and Cancer Cachexia: Is there a link?” at 50th Annual Conference of Indian Pharmacological Society (IPSCON-2017) held from 15th to 17th February, 2018 organized by Shobhaben Pratapbhai Patel School of Pharmacy & Technology Management, NMIMS, Mumbai.
- Dr. Bhoomika M. Patel served as chairperson at 50th Annual Conference of Indian Pharmacological Society (IPSCON-2017) held on from 15th to 17th February, 2018 organized by Shobhaben Pratapbhai Patel School of Pharmacy & Technology Management, NMIMS, Mumbai.
- Dr. Jignasa Savjani delivered a talk on “ADMET Property Prediction using Free Tools”, during workshop on Computer Aided Drug Design Software at Institute of Pharmacy, Nirma University on 17th February, 2018.
- Dr. Vivek Vyas delivered a talk on “2D-QSAR: A Ligand Based Drug Design Approach” during workshop on Computer Aided Drug Design Software at Institute of Pharmacy, Nirma University on 17th February, 2018.
- Dr. Bhumika Patel delivered a talk on “Molecular Docking: A Structure Based Drug Design Approach” during workshop on Computer Aided Drug Design Software at Institute of Pharmacy, Nirma University on 17th February, 2018.
- Ms. Palak Parikh delivered a talk on “3D-QSAR: A Ligand Based Drug Design Approach” during workshop on Computer Aided Drug Design Software at Institute of Pharmacy, Nirma University on 17th February, 2018.
- Dr. Tejal Mehta was invited as scientific committee member at 16th Controlled Release Society Indian Chapter during 23rd to 24th February, 2018.
- Dr. Dhavit Parikh was invited to deliver expert lecture on Animation - A Tool to Empower PowerPoint Presentation (PPT) & its Applications for Innovative Teaching in Pharmaceutics" at Two days State level Seminar-cum-Workshop sponsored by SPPU (Savitribai Phule Pune University) at SSR College of Pharmacy, Silvassa on 26th February, 2018.
- Dr. Hardik Bhatt delivered guest Lecture entitled "Importance of ICT Tools and Software for Efficient Teaching-Learning of Pharmaceutical Chemistry" at Two Days State Level Seminar-cum-Workshop organized by SSR Pharmacy College, Sponsored by Savitribhai Phule Pune University on 26th February, 2018.

- Dr. Tejal Mehta delivered guest lecture entitled “Nanocrystals Based Novel Formulations for the Management of Fungal Infections” at Maliba College of Pharmacy, Bardoli on 10th March 2018.
- Dr. Tejal Mehta delivered guest lecture entitled “Novel techniques for solubility enhancement of poorly soluble drugs” at M. S. University of Baroda, 16th March 2018.
- Dr. Jigna Shah chaired scientific session at National Conference on “New Horizons in Cancer Biology” held at Ahmedabad Management Association, Ahmedabad on 16th March 2018.
- Dr. Bhoomika M. Patel delivered a talk entitled “Diabetic Cardiomyopathy: Role of HDAC inhibitors” at National Seminar on Advances in Biotechnology and Biomedical Research held on 17th March, 2018 organized by School of Life Sciences, Central University of Gujarat.
- Dr. Jigna Shah delivered lecture on “Prescription Handling and Patient Education” at ITM School of Pharmacy, Vadodara on 24th March 2018.
- Dr. Tejal Mehta delivered guest lecture entitled “Good Practices for storage of Pharmaceuticals” at ITM College of Pharmacy, Vadodara on 24th March 2018.

III.- RESEARCH, CONSULTANCY AND EXTENSION

Research projects

a) Major Research Project funded by Nirma University:

Financial Year	Sanctioned	
	Number	Amount
2017-18	---	---
2016-17	01	28,92,400

b) Major Research Project funded by external agencies during:

Financial Year	Completed		Ongoing		Sanctioned	
	Number	Amount	Number	Amount	Number	Amount
2017-18	01	34,00,000	06	1,70,01,580	01	20,78,250
2016-17	01	24,74,680	03	1,06,56,800	04	97,44,780

b i) Major Infrastructural grant funded by external agencies:

Financial Year	Ongoing	
	Number	Amount
2017-18	1	55,00,000
2016-17	1	55,00,000

c) Minor Research Project funded by Nirma University during:

Financial Year	Completed		Ongoing		Sanctioned	
	Number	Amount	Number	Amount	Number	Amount
2017-18	04	2,90,000	03	2,75,000	---	---
2016-17	04	4,50,000	04	2,90,000	03	2,75,000

d) Minor Research Project funded by external agencies during:

Financial Year	Completed		Ongoing	
	Number	Amount	Number	Amount
2017-18	05	26,42,000	05	17,75,000
2016-17	08	31,55,000	10	44,17,000

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
2017-18	5	17,000	3	22,039
2016-17	9	22,568	31	93,262

Ongoing Research Projects:

Major Research Projects

Project Investigator/s	Title of the Project	Funding Agency	Grant (in Rs)	Duration of Project	Starting Date of Project
Dr. Shital Panchal	Epidemiology of anemia in pre-school tribal children of eastern Gujarat with reference to etiology, pathophysiology and nutritional impact	Indian Council of Medical Research	18,60,610	3 Years	17/02/2017
Dr. Priti Mehta	Evaluation of radio protective potential of medicinally important Indian bamboo plants in cancer	AYUSH	42,12,250	3 Years	16/02/2017
Dr. Priti Mehta	Determination of specific absorption coefficient for the dominant macro algal species of Indian coastal water – A step towards developing biomarkers & community based chlorophyll and accessory pigments algorithm	Space Applications Centre	15,90,000	2 Years	01/12/2016
Dr. Jigna Shah	Evaluation of DNA Polymerase Inhibitors for Treatment of Alzheimer's Disease	Gujarat State Biotechnology Mission	20,81,920	3 Years	23/09/2016

Dr. Mayur Patel	Formulation development and evaluation of Nanoparticulate systems for targeted delivery of anticancer agents	Nirma University	28,92,400	3 Years	09/05/2016
Dr. Bhoomika Patel	Exploring the effect of histone deacetylases (HDAC) in cancer-cachexia and their downstream targets	Science & Engineering Research Board	27,00,000	3 Years	25/05/2015
Dr. Niyati Acharya	Glutathione Appended Polymer Nano constructs of Asiatic acid for efficacious Neuro protective agents	Department of Biotechnology	45,56,800	3 Years	05/01/2015
Institute of Pharmacy	FIST grant	Department of Science and Technology	55,00,000	5 Years	21/11/2014

Sanctioned Projects

Project Investigator/s	Title of the Project	Funding Agency	Grant (in Rs)	Duration of Project	Date of sanction
Dr. Shital Butani	Exploring non-equilibrium atmospheric plasma for effective sterilization including biological safety aspects	Board of Research in Nuclear Sciences	20,78,250	2 Years	08/12/2017

Minor Research Projects

Project Investigator/s	Title of the Project	Funding Agency	Grant (in Rs)	Duration of Project	Starting Date of Project
Dr. Mohit Shah	Solubility enhancement of BCS class II drug using emulsifying drug delivery system	Nirma University	90,000	2 Years	11/05/2016
Dr. Jignasa Savjani	Synthesis of co-crystal of acyclovir for improvement of physicochemical parameters	Nirma University	85,000	2 Years	11/05/2016
Mr. Nrupesh Patel Dr. Bhumika Patel	Solubility enhancement of lead candidates as anti-diabetic agents	Nirma University	1,00,000	2 Years	11/05/2016

Dr. Priti Mehta	Screening & characterization of Anti-cancer bioactive Principle from the indigenous plants of Dang Forest, Gujarat	Gujarat Council on Science and Technology	3,00,000	2 Years	28/03/2016
Dr. Shital Panchal	Effect of polyphenols containing plant extracts in the treatment and prevention of age related neuro-degenerative disorders	Gujarat Council on Science and Technology	5,35,000	2 Years	28/03/2016
Dr. Hardik Bhatt	Design and synthesis of novel pteridine derivatives as Auora Kinase inhibitors for the treatment of cancer	Gujarat Council on Science and Technology	2,70,000	2 Years	28/03/2016
Dr. Shraddha Bhadada	Investigation of the role of Tephrosia purpurea in the cardiovascular complications in rats	Gujarat Council on Science and Technology	3,90,000	2 Years	28/03/2016
Dr. Bhoomika Patel	Evaluation of chemoprotective potential of active constituent of L. usitatissimum in colon cancer associated with diabetes mellitus	Gujarat Council on Science and Technology	2,80,000	2 Years	28/03/2016

Research Projects Completed:

Major Research Projects

Project Investigator/s	Title of the Project	Funding Agency	Grant (in Rs)	Duration of Project	Starting Date of Project (dd/mm/yyyy)
Dr. Manjunath Ghatge	Liquid Phase combinatorial synthesis of benzimidazole library for antitubercular activity	Department of Science and Technology	34,00,000	3 Years	31/10/2014

Minor Research Projects

Project Investigator/s	Title of the Project	Funding Agency	Grant (in Rs)	Duration of Project	Starting Date of Project (dd/mm/yyyy)
Dr. Bhoomika Patel	Evaluation of anti-hypertensive agent in cancer cachexia induced cardiotoxicity	Nirma University	55,000	2 Years	14/09/2015

Dr. Niyati Acharya	Pharmacological evaluation of Antiurolithiatic activity of roots of <i>Grewia flavescens</i>	Nirma University	80,000	2 Years	14/09/2015
Dr. Shraddha Bhadada	Beneficial effect of <i>pimpinella anisum</i> in delaying cataract	Nirma University	65,000	2 Years	14/09/2015
Ms. Palak Parikh	In-Silico designing, synthesis and pharmacological evaluation of novel anti cancer agents	Nirma University	90,000	2 Years	14/09/2015
Dr. Niyati Acharya	Investigation into neuroprotective effects of <i>Bergenia ciliate</i> roots in Alzheimer's disease with special reference to bergenin	Gujarat Council on Science and Technology	3,22,000	2 Years	18/05/2015
Dr. Jigar Shah	Ocular iontophoretic delivery of nanoparticles via transcleral route for posterior disease	Gujarat Council on Science and Technology	7,00,000	2 Years	18/05/2015

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

Summary

Research Publications in financial year:

Financial Year	National Journal			International Journal		
	Number of paper published	Number of paper considered for calculation of average impact factor	Average impact factor	Number of paper published	Number of paper considered for calculation of average impact factor	Average impact factor
2017-18	03	02	0.685	43	38	2.712
2016-17	06	00	00	28	19	1.789

Research Publications by Faculty:

International Journals:

- 1 Thakare Vishnu, Dhakane V.D., Patel Bhoomika. Attenuation of Acute Restraint Stress-induced Depressive like Behavior and Hippocampal Alterations with Protocatechuic acid Treatment in Mice. *Metabolic Brain Disease*, April 2017; 32: 401-13. (IF – 2.603)

- 2 Pichu Sudha, Patel Bhoomika, Appasundaram Subbu, Goyal Ramesh. Role of Biomarkers in Predicting Diabetes Complications with Special Reference to Diabetic Foot Ulcers. *Biomarkers in Medicine*, April 2017; 11: 377-388. (IF – 2.179)
- 3 Savjani Jignasa, Mulamkattil Suja, Variya Bhavesh, Patel Snehal. Molecular Docking, Synthesis and Biological Screening of Mefenamic Acid Derivatives as Anti-inflammatory Agents. *European Journal of Pharmacology*, April 2017; 801: 28-34. (IF – 2.72)
- 4 Shital Butani, Hiral Koradia and Muksh Gohel. Amalgamation of Quality by Design and Convolution Concept for the Development of Oxcarbazepine Modified Release Granules. *Asian Journal of Pharmaceutics*, April 2017; 11(2): 83-91. (Impact Factor: 0.46)
- 5 Patel Mayur. Formulation and Development of Di-Dependent Microparticulate System for Colon-Specific Drug Delivery. *Drug Delivery and Translational Research*, April 2017; 7:312. (IF – 3.094)
- 6 Kulkarni Prajakta U, Ghate Manjunath D, Vyas Vivek K. In Silico Modeling for the Design of 2-substituted Benzimidazole Derivatives, and Prediction of Activity as Pro-caspase-3 Activators and Apoptosis Inducer. *Letters in Drug Design & Discovery*, April 2017; 14: 387-397. (IF – 1.17)
- 7 Vyas Vivek, Ghate Manjunath Ghate, Gupta Nirzari. 3D QSAR and HQSAR Analysis of Protein Kinase B (PKB/Akt) Inhibitors using Various Alignment Methods. *Arabian Journal of Chemistry*, May 2017; 10: S2182– S2195. (IF - 4.553)
- 8 Maulik Ranpariya, Charmy kothari, Mital Patel, Priti Mehta. Development and Validation of a High-performance thin layer chromatographic-Densitometric method for the quantification of Guggulsterone E and Z in polyherbal formulation containing Commiphora Mukul. *J of Planar Chromatography*, May 2017; 30(3): 181-187. (Impact Factor: 0.668)
- 9 Shital Panchal, Prashant Mali. *Euphorbia neriifolia* L.: Review on botany, ethnomedicinal uses, phytochemistry and biological activities. *Asian Pacific Journal of Tropical Medicine*. *Asian Pacific Journal of Tropical Medicine*, May 2017; 10(5): 430–438. (Impact Factor: 0.92)
- 10 Patel Bhumika D, Bhadada Shraddha V, Ghate Manjunath D. Design, Synthesis and Anti-Diabetic Activity of Triazolotriazine Derivatives as Dipeptidyl Peptidase-4 (DPP-4) Inhibitors. *Bioorganic Chemistry*, June 2017; 72:345-358. (IF: 3.231)
- 11 Vyas Vivek K, Dabasia Mohini, Qureshi Gulamnizami, Patel Palak, Ghate Manjunath. Molecular Modeling Study for the Design of Novel Acetyl-CoA Carboxylase Inhibitors using 3D QSAR. Molecular Docking and Dynamic Simulations. *Journal of Biomolecular Structure and Dynamics*, June 2017; 35:2003-2015. (IF – 3.16)
- 12 Gajjar Saumitra, Patel Bhoomika. Neuromedin: An Insight into its Types, Receptors and Therapeutic Opportunities. *Pharmacological Reports*, June 2017; 69: 438-447. (IF – 2.251).
- 13 Anand B. Pithadia, Shital S. Panchal, Denvanshu J. Patel. Neuroprotective effects of potassium channel openers on cerebral ischemia–reperfusion injury in diabetic rats. *Bulletin of Faculty of Pharmacy, Cairo University*, June 2017; 55: 95–100.
- 14 Chavda Vishal K and Patel Snehal S. Restless Legs Syndrome, the Pitfall: Hardly Diagnosed and Rarely Treated Neurological Disease. *Austin Journal of Clinical Neurology*, July 2017; 4: 1118-1127.
- 15 Bakrania Anita, Variya Bhavesh, Prem Madan, Patel Snehal. Repeated dose 28-day oral toxicity study of DEAE-Dextran in mice: An advancement in safety chemotherapeutics. *Regulatory Toxicology and Pharmacology*, July 2017; 88: 262-272. (IF – 2.2)
- 16 Chaube Udit, Bhatt Hardik. 3D-QSAR, Molecular Dynamics Simulations and Molecular Docking Studies on Pyridoaminotropanes and Tetrahydroquinazoline as MTOR Inhibitors. *Molecular Diversity*, August 2017; 21(3): 741-759. (IF – 1.752)
- 17 Shah Neha, Mehta Tejal, Gohel Mukesh. Formulation and Optimization of Multiparticulate Drug Delivery System Approach for High Drug Loading. *AAPS Pharm Scitech*, August 2017; 18(6): 2157-2167. (IF - 2.451)
- 18 Patel Snehal, Nakka Surendra. Protective Effect of Perindopril on Tumor Progression and Angiogenesis in Animal Model of Breast Cancer. *Anticancer Agents in Medicinal Chemistry*. 2017; 17(7): 955-960. (IF – 2.722)

- 19 Dave Harshit, Kothari Charmy, Patel Nrupesh. Organophosphorus Pesticides Determination by Novel HPLC and Spectrophotometric Method. *Food Chemistry*, September 2017; 230: 448-453. (IF – 4.052)
- 20 Jawale Anuja, Kothari Charmy, Patel Misari, Patel Mital. Novel Bio-Analytical RP-HPLC Method for Simultaneous Estimation of Aceclofenac and Drotaverine Hydrochloride in Human Plasma by DOE Approach. *European Journal of Biomedical and Pharmaceutical Sciences*, September 2017; 4(9): 545-550. (IF – 4.382)
- 21 Krunal J. Prajapati, Charmy Kothari. Impurity Profile of Bronchodilators used in Asthma: A Critical Review. *Current Drug Discovery Technologies*, September 2017; 14 (3): 1-33.
- 22 Anna Pratima G. Nikalje, Shailee V. Tiwari, Jaydeep G. Tupe, Vivek K. Vyas, Gulamnizami Qureshi. Ultrasound Assisted-synthesis and Biological Evaluation of Piperazinyprop- 1-en-2-yloxy-2H-chromen-2-ones as Cytotoxic Agents. *Letters in Drug Design & Discovery*. Oct 2017; 14: 1195-1205. (IF – 1.17)
- 23 Palak Patel, Krupali Parmar, Vivek K. Vyas, Dhaval Patel, Mili Das. Combined in silico Approaches for the Identification of Novel Inhibitors of Human Islet Amyloid Polypeptide (hIAPP) Fibrillation. *Journal of Molecular Graphics and Modelling*. Oct 2017; 77:295-310. (IF – 1.754)
- 24 Vishnu N Thakare, Manoj K Aswar, Yogesh P. Kulkarni, Rajesh R Patil, Bhoomika M. Patel. Silymarin Ameliorates Experimentally Induced Depressive like Behavior in Rats: Involvement of Hippocampal BDNF Signaling, Inflammatory Cytokines and Oxidative Stress. *Physiology and Behavior*. Oct 2017; 179: 401-410. (IF – 2.835)
- 25 Neha Shah, Tejal Mehta, Rahul Aware and Vasant Shetty. Investigation on Influence of Wurster Coating Process Parameters for the Development of Delayed Release Minitablets of Naproxen. *Drug Development and Industrial Pharmacy*. Oct 2017; 43(12): 1989-1998. (IF – 2.295)
- 26 Anita K. Bakrania, Bhavesh C. Variya, Snehal S. Patel. DEAE-Dextran Coated Paclitaxel Nanoparticles act as Multifunctional Nano System for Intranuclear Delivery to Triple Negative Breast Cancer through VEGF and NOTCH1 Inhibition. *European Journal of Pharmaceutics and Biopharmaceutics*. Oct 2017; 122: 37-48. (IF – 4.159)
- 27 Ankit Borisa, Hardik Bhatt. A Comprehensive Review on Aurora Kinase: Small Molecule Inhibitors and Clinical Trial Studies. *European Journal of Medicinal Chemistry*. Nov 2017; 140:1-19. (IF – 4.519)
- 28 Deepa K. Ingawale, Snehal S. Patel. Hecogenin Exhibits Anti-Arthritic Activity in Rats through Suppression of Pro-inflammatory Cytokines in Complete Freund's Adjuvant-Induced Arthritis. *Immunopharmacology and Immunotoxicology*. Dec 2017; 1:1-13. (IF – 1.475)
- 29 Anita K. Bakrania, Bhavesh C. Variya, Snehal S. Patel. Role of b-Interferon Inducer (DEAE-Dextran) in Tumorigenesis by VEGF and NOTCH1 Inhibition along with Apoptosis Induction. *Frontiers in Pharmacology*. Dec 2017; 8: 930-946. (IF – 4.4)
- 30 Tejal Rawal, Laurent Kremer, Iman Halloum, Shital Butani. Dry-Powder Inhaler Formulation of Rifampicin: An Improved Targeted Delivery System for Alveolar Tuberculosis. *Journal of Aerosol Medicine and Pulmonary Drug Delivery*. Dec 2017; 30(6): 388-398. (IF – 3.041)
- 31 Renuka Mishra, Kripali Soni, Tejal Mehta. Mucoadhesive Vaginal Film of Fluconazole using Cross-linked Chitosan and Pectin. *Journal of Thermal Analysis and Calorimetry*. Dec 2017; 130: 1683-1695. (IF – 1.953)
- 32 Nikum D. Sitwala, Vivek K. Vyas, Bhavesh C. Variya, Snehal S. Patel, Chirag C. Mehta, Dharmraj N. Rana, Manjunath D. Ghate. Liquid Phase Combinatorial Synthesis of 1,2,5-Trisubstituted Benzimidazole Derivatives as Human DHODH Inhibitors. *Bioorganic Chemistry*. Dec 2017; 75: 118-126. (IF – 3.231)
- 33 Vaishnav Mohak, Kothari Charmy, Shah Manan. Regulatory Technicalities For Drug Product Registration In Brazil. *International Journal of Drug Regulatory Affairs*, December 2017; 5(4): 18-25.

- 34 S Prachi, C Komal, MJ Priti. Influence of Peroxide Impurities in Povidone on the Stability of Selected β -Blockers with the Help of HPLC. AAPS PharmSciTech, December 2017; 18 (7): 2410-2417. (Impact Factor: 2.451)
- 35 Mital Patel, Charmy Kothari. Review on Implementation of Multivariate Approach for Forced Degradation Study and Impurity Profiling with Regulatory Considerations. Chromatographia, January 2018; 81 (1): 105–125. (Impact Factor: 1.402)
- 36 Palak K. Parikh, Manjunath D. Ghate. Recent Advances in the Discovery of Small Molecule c-Met Kinase Inhibitors. European Journal of Medicinal Chemistry. Jan 2018; 143: 1103-1138. (IF – 4.519)
- 37 Samir Rabadiya, Shraddha Bhadada, Ashvin Dudhrejiya, Devendra Vaishnav, Bhoomika M Patel. Magnesium Valproate Ameliorates Type 1 Diabetes and Cardiomyopathy in Diabetic Rats through Estrogen Receptors. Biomedicine & Pharmacotherapy. Jan 2018; 97: 919-927. (IF – 2.759)
- 38 Harshil Shah, Jignasa Savjani. Recent Updates for Designing CCR5 Antagonists as Anti-Retroviral Agents. European Journal of Medicinal Chemistry. Jan 2018; 147: 115-129. (IF – 4.519)
- 39 Surmil Shah, Bhumika Patel, Jignasa K. Savjani. Pharmacophore Mapping Based Virtual Screening, Molecular Docking and ADMET Studies of ROCK II Inhibitors. Multiple Sclerosis and Related Disorders. Feb 2018; 21: 35-41. (IF – 2.349)
- 40 Bhoomika M Patel. Sodium Butyrate Controls Cardiac Hypertrophy in Experimental Models of Rats. Cardiovascular Toxicology, February 2018; 18: 1-8. (Impact Factor: 2.718)
- 41 Vishnu N Thakare, Rajesh R. Patil, Valmik D Dhakane, Manoj K Aswar, Bhoomika M Patel. Therapeutic potential of silymarin in chronic unpredictable mild stress induced depressive-like behavior in mice. Journal of Psychopharmacology. February 2018 32(2):223-235 Accepted [Impact Factor 4.179]
- 42 Gurpreet Kaur Sinhmar, Neel N. Shah, Nimit V. Chokshi, Hiren N. Khatri and Mayur M. Patel. Process, optimization, and characterization of budesonide-loaded nanostructured lipid carriers for the treatment of inflammatory bowel disease. Drug Development and Industrial Pharmacy, February 2018; 44(7): 1078-1089. (Impact Factor: 2.295)
- 43 Bhumika D. Patel, Nidhi Choksi, Kinjal Patel and Qureshi Gulamnizami. 3D-QSAR and Molecular Docking Studies of HIV-1 Entry Inhibitors Targeting GP120-CD4 Binding Site. Anti-Infective Agents, March 2018; 15: 115-130.
- 44 Namdev L. Dhas, Ritu R. Kudarha, Niyati S. Acharya, & Sanjeev R. Acharya. Polymeric Immunonanoparticles Mediated Cancer Therapy: A Versatile Nanocarriers for Cell-Specific Cargo Delivery. Critical Review in Therapeutic Drug Carrier Systems, March 2018; 35 (1): 1-64. (Impact Factor: 5.367)

Citation index of faculty member and impact factor:

Name of Faculty Member	Highest Impact Factor during April 2017- March 2018	Total Google Scholar Citation	Total Google Scholar H-Index	Total Scopus Citation	Total Scopus H-Index
Prof. Manjunath Ghate	4.519	1121	16	832	15
Prof. Tejal A. Mehta	5.657	904	15	436	12
Prof. Priti J. Mehta	3.255	220	9	135	7
Prof. Jigna Shah	2.2	239	8	116	8
Dr. Hardik G. Bhatt	4.519	326	10	236	9
Dr. Mayur M. Patel	2.295	819	13	522	11

Dr. Shital B. Butani	3.9	290	7	194	5
Dr. Jignasa K. Savjani	4.519	513	7	86	4
Dr. Shital S. Panchal	2.313	334	11	129	6
Dr. Niyati S. Acharya	2.759	252	9	133	7
Dr. Charmy Kothari	4.529	240	6	155	6
Dr. Snehal S. Patel	4.4	639	11	342	9
Dr. Bhoomika M. Patel	4.1	1178	17	677	12
Dr. Jigar N. Shah	2.234	118	5	70	3
Dr. Vivek K. Vyas	3.231	541	11	384	10
Dr. Renuka D. Mishra	1.95	300	6	118	4
Dr. Shraddha Bhadada	2.759	505	9	340	7
Dr. Dhaivat C. Parikh	-	65	4	37	3
Ms. Nagja V. Tripathi	-	16	2	2	1
Dr. Dipal M. Gandhi	-	36	3	9	2
Mr. Nrupesh R. Patel	-	15	2	14	2
Dr. Bhumika D. Patel	2.349	98	6	68	5
Ms. Palak K. Parikh	4.519	62	4	41	3
Dr. Mohit Shah	-	12	2	7	1

National Journals – Refereed Papers:

1. Anroop B Nair, Bandar E Al-Dhubiab, Jigar Shah, Mahesh Attimarad, Sree Harsha. Poly (lactic acid-co-glycolic acid) Nanospheres Improved the Oral Delivery of Candesartan Cilexetil. Indian Journal of Pharmaceutical Education and Research, October 2017; 51: 571-579. (Impact Factor: 0.27)
2. Anita Bakrania, Surender Nakka, Bhavesh C Variya, Prabodh V Shah, Snehal S. Patel. Antitumor Potential of Herbomineral Formulation against Breast Cancer: Involvement of Inflammation and Oxidative Stress. Indian Journal of Experimental Biology. Oct 2017; 55: 680-687. (IF – 1.1)
3. Khushboo G. Faldu, Harika Duvva, Jigna S. Shah, Prabooth V. Shah, and Snehal S. Patel. An ayurvedic proprietary herbal preparation, Calci-7, prevents ovariectomy-induced osteoporosis in rats. An International Quarterly Journal of Research in Ayurveda, January 2018; 37: 250-255.

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

Sr. No.	Name of the Faculty	Name of the Book	Name of Publishing House	ISBN	Year of Publication
1	Dr. Tejal Mehta	Pharmaceutical Quality Management and Drug delivery System	First Edition, Career Publication, Nashik, Maharashtra	9789382322719	2018

Ongoing Research Collaboration / New collaboration:

- Dr. Shital Panchal along with Dr. Sarat Dalai IS-NU, Ar. Sharad Panchal, IAP-NU, Dr. Charmy Kothari, IP-NU, Dr. Vijay Kothari, IS-NU, Dr. Umang Mishra, Dept. of Health and Family welfare, Govt. of Gujarat are working on the determination of the prevalence of anemia in

preschool children. They have received a major research grant entitled “Epidemiology of anemia in Pre-school Tribal Children of Eastern Gujarat with Reference to Etiology, Pathophysiology and Nutritional impact” worth Rs. 18,60,000/- from Indian Council for Medical Research (ICMR).

- Dr. Priti Mehta (Principal Investigator), Dr. Snehal Patel (Co-Principal Investigator) are working in collaboration with Dr. Sonal Bakshi (Co-Principal Investigator) from Institute of Science on a major research project on topic “Evaluation of radioprotective potential of medicinally important Indian bamboo plants in cancer” worth Rs. 42,12,250/- from Ministry of AYUSH for the period of 2016-2019.
- Dr. Priti Mehta (Principal Investigator), is working in collaboration with Dr. Nasreen Munshi (Co-Principal Investigator) from Institute of Science on topic “Determination of specific absorption coefficient for the dominant macro algal species of Indian coastal water- A step towards developing biomarkers & community based chlorophyll and accessory pigments algorithm” worth Rs. 15,90,000/- from Space Applications Centre (ISRO) for the period of 2016-2018.

Awards and Recognitions (Institute/Department/Faculty)

- **Dr. Bhoomika M. Patel** received “Best Paper Presentation Award” for her research paper entitled “Study of Association of Biochemical Parameters with Obesity in Patients Undergoing Bariatric Surgery” presented 5th International Conference on “International Conference of Pharmacoeconomics and Outcomes Research” organized by Society for Pharmacoeconomics and Outcomes Research and Delhi Pharmaceutical Sciences & Research University held from March 3-4, 2017.
- **Dr. Bhoomika M. Patel** received “Best Paper Publication Award” for the year 2016 WRIPSCON 2017, Western Region Conference of Indian Pharmacological Society held at Ahmedabad Management Association on August 19, 2017.
- **Dr. Mayur Patel** received second prize of 1,000 € as “EUDRAGIT Award 2016” for best innovative paper publication from Asia in recognition to an outstanding achievement in academic excellence, scientific rigor and practical relevance.
- **Dr. Jignasa Savjani** received prestigious ACS (American Chemical Society) travel grant worth Rs. 2.5 lacs to attend Pittcon 2018 conference held at Orlando, United states of America, during 26th February to 1st March 2018.
- **Dr. Jigna Shah** and **Dr. Bhoomika M. Patel** has been appointed as CPCSEA Nominee by Ministry of environment, forest, climate change (Animal welfare division A) in February 2018.

Research Awards/Prize/Schemes

- **New Fellowships during 2017-18**

Sr. No.	Roll No.	Student	Guide/ Co-guide	Fellowship
1	13FTPHDP23	Nisith Raval	Dr. Niyati Acharya	DBT
2	14FTPHDP32	Sushama Rawat	Prof. Manjunath Ghate	Nirma University
3	15FTPHDP35	Tripti Haldar	Dr. Niyati Acharya	DST-WOS-A
4	16FTPHDP47	Khushali Parekh	Dr. Tejal Mehta	Nirma University
5	JRF	Prateek Mathur	Dr. Mayur Patel	NU – Major Research Project
6	JRF	Divyesh Patel	Dr. Priti J. Mehta	SAC-ISRO
7	JRF	Jayantakumar Maji	Dr. Priti J. Mehta	AYUSH

• **Ongoing Fellowships during**

Sr. No.	Roll No.	Student	Guide / Co-guide	Fellowship
1	12FTPHDP12	Krishna Gajjar	Dr. Anuradha Gajjar	DST-INSPIRE Fellow
2	13FTPHDP15	Neha Shah	Prof. Tejal A Mehta	DST-INSPIRE Fellow
3	13FTPHDP16	Priyal Barai	Dr. Niyati S Acharya	DST-INSPIRE Fellow
4	13FTPHDP19	Manali Prajapati	Dr. Shital Butani	CSIR
5	14FTPHDP25	Abhishek Jha	Dr. Shital Panchal	Nirma University
6	14FTPHDP33	Mitalben Patel	Dr. Charmy Kothari	Nirma University
7	14FTPHDP29	Viral Patel	Dr. Tejal Mehta	DST-INSPIRE Fellow
8	14FTPHDP30	Udit Chaube	Dr. Hardik Bhatt	DST-INSPIRE Fellow
9	15FTPHDP37	Chetan Dhal	Dr. Renuka Mishra	Nirma University
10	15FTPHDP35	Shruti Rawal	Dr. Mayur Patel	Nirma University
11	15FTPHDP36	Mansi Jitesh Patel	Dr. Priti J. Mehta	DST-INSPIRE
12	15FTPHDP39	Namdev Dhas	Dr. Tejal Mehta	Nirma University
13	14FTPHDP27	Tejal Rawal	Dr. Shital Butani	DST-WOS-A
14	13FTPHDP21	Komal Chaudhary	Prof. Priti J Mehta	DST-WOS-A
15	13FTPHDP14	Ankit Borisa	Dr. Hardik Bhatt	ICMR-SRF
16	16FTPHDP42	Parmi Patel	Dr. Jigna Shah	GSBTM
17	16FTPHDP48	Keerti Vishwakarma	Dr. Hardik Bhatt	Nirma University
18	16FTPHDP45	Vivek Bora	Dr. Bhoomika Patel	SERB
19	JRF	Priyanka Shah	Dr. Shital Panchal	ICMR
20	JRF	Nikum Sitwala*	Prof. Manjunath Ghate	JRF - DST

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

Revenue Generated in:

Financial Year	Consultancy	Testing	Training (seminar/workshop)
2017-18	Rs. 80,084/-	Rs. 2,434/-	Rs. 11,40,472/-
2016-17	Rs. 4,47,300/-	Rs. 5,400/-	Rs.7,02,736/-

Extension Activities/Community services by Institute/Department:

Following social extension activities were organized at primary School of Jamyatpura village by B. Pharm Semester V and M. Pharm Semester IV students throughout the year 2017-18.

Sr. No.	Type of Activity conducted	Dates	Beneficiaries
1	Old Age Home Visit	25/05/17	Old Age People
2	Guest Lecture of Ms. Savitri Bahen	21/07/17	IPNU Students
3	Interaction with Primary School Children	04/08/17	Lilapur Primary school children
4	Awareness program on importance of cleanliness	18/08/17	
5	Poster and Questionnaire Preparation	01/09/17	IPNU Students
6	Awareness program on importance of cleanliness	08/09/17	Jamyatpura Primary school children
7	Awareness program on Infectious Disease	22/09/17	
8	Guest Lecture of Mr. Kamal Kumar Kar	03/11/17	IPNU Students

9	Anti-Tobacco Drive	10/11/17	Jamyatpura Primary school children
10	Awareness program on EVM Machine	10/11/17	
11	Awareness program on Emergency and First Aid	17/11/17	
12	Awareness program on Skin Care	24/11/17	
13	Plantation drive	22/07/17	Institute and nearby area
14	Old age home visit	19/11/17	Residents of Jeevan Sandhya Old Age Home

IV. INFRASTRUCTURE AND LEARNING RESOURCES

Library - learning resources added:

Number of Book for Technical Subjects During the Year 2017-18			
No. of Titles & Volumes Added During the Year		Cumulative Total No. of Titles & Volumes as on 31/03/2018	
Title	Volumes	Title	Volumes
98	105	3186	5209

Number of Book for Science & Humanities During the Year 2017-18			
No. of Titles & Volumes Added During the Year		Cumulative Total No. of Titles & Volumes as on 31/03/2018	
Title	Volumes	Title	Volumes
19	19	2386	3740

No. of Periodicals / Journals Including E-Journals During the Year 2017-18		Other Material Which Includes Software /CDs /Cassettes Other Audiovisual Materials	
Added during the year 2017-18	Cumulative Total as on 31/03/2018	Added during the year 2017-18	Cumulative Total as on 31/03/2018
5 Print + 1 Print and + 7 online	39 Print & 113 online	Nil	47 CDS

Note: 5 Periodicals were ceased in 2018 & 1 Periodicals Added in 2018 and 7 Science Direct's E-journals added.

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

Sr. No.	Supplier	Equipment / Machine	Cost
1	Agilent technologies	1260 Infinity II RI Detector	5,00,000.00
2	Olympus CXZ-li-TR	Biological Research Microscope	118750.00
3	IKA T-25	Digital High Speed Homogenizer (IKA Make)	195643.00
4	Starcoin sales	Matrix for Rat Brain for 1 mm coronal	83000.00
5	Bio Krom	Laminar Air Flow	78750.00
6	Labex Bio Medical	Hematology Analyzer	360000.00

V- Student Support and Progression

Admission status for B. Pharm

Cut-off percentage marks – category wise

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

Category	Rank No. of student admitted (ACPC)	
	First Rank	Last Rank
TFWS	36	59
OPEN	285	7730
SC	3487	7793
ST	9560	10254
SEBC	1180	6824
PH	---	---
NRI / NRI Sponsored	1927	9398

TFWS = Tuition Fee Waiver Scheme

SC = Schedule Caste

ST = Schedule Tribe

SEBC = Socially & Economically Backward Class

PH = Physically Handicap

Admission status for M. Pharm

For the M. Pharm. Students, we admit the students on GPAT basis.

Cut off Rank for the admission to M. Pharm.

Sr. No.	Name of Specialization	In take	GPAT Rank		
			Admitted	Highest Cut-off	Lowest Cut-off
1	Pharmaceutics	14	14	1124	NON GPAT
2	Pharmaceutical Analysis	15	15	1477	NON GPAT
3	Medicinal Chemistry	15	11	552	NON GPAT
4	Pharmacology	12	12	441	NON GPAT
5	Regulatory Affairs	8	8	NON GPAT	NON GPAT
Total		58	58	--	--

Student achievements:

Following are the details of students' achievements outside university:

Sr. No.	Name of Student	Name of Activity	Name and details of Event	Date of Event	Won Prize	Other Details
1	Rushi Joshi and Pooja Mehta	Cultural Festival [Debate]	Apocalypse Organised by KBIPER	10/08/2017 to 11/08/2017	Yes	First Prize
2	Pruthak Joshi	Quiz Competition	District Level Gujarat Quiz Competition	29/09/2017	Yes	First Prize

3	Girl's Cricket Team	Sports Competition [Cricket]	Pharma Rebattle 2017	10/10/2017 to 12/10/2017	Yes	Second Prize
4	Kahini Patel	Sports Competition [Badminton]	Pharma Rebattle 2017	10/10/2017 to 12/10/2017	Yes	First Prize
5	Vedant Bansal	Sports Competition [Badminton]	Pharma Rebattle 2017	10/10/2017 to 12/10/2017	Yes	First Prize
6	Yash Sharma	Sports Competition [Badminton]	Pharma Rebattle 2017	10/10/2017 to 12/10/2017	Yes	Second Prize
7	Rahil Shah	Marathon Race	10 km Marathon Race at Ahmedabad University	04/02/2018	Yes	Finisher Prize

No. of Co-curricular activities organized:

- Teacher's day was celebrated on September 5, 2017 at the Institute of Pharmacy. Students participated as teachers and conducted theory and practical classes in the morning session. 'Skit' and 'On the Spot Quiz' were performed by the students on this occasion in the afternoon session. Moreover, faculty members were felicitated and events like, Know your faculty and Antakshari were organized by the students.
- Foundation Day of Institute of Pharmacy was celebrated on 4th October 2017. The Chief Guest of the function was Shri Sirish G. Belapure, Managing Director, Zydus Hospira Oncology Pvt. Ltd. Various competitions like Poetry competition, Debate, Elocution and Extempore were held on the occasion of Foundation Day. Apart from this, some faculty members, alumni and two existing students of B.Pharm. were felicitated for their outstanding performance. The meritorious students of B.Pharm. first, second and third year were also awarded with the gold medals.

Student Clubs in the Institutes/University – activities:

- All clubs (Drama club, Music club, Art and Craft club, Design club and photography club) of Institute of Pharmacy, Nirma University in association with NIPSA conducted SPECTRA 2017. It was organized during August 22-23, 2017 at the Institute of Pharmacy, Nirma University and about 200 participants from various pharmacy and other colleges and majorly, students from IPNU participated in this colorful event. Various events like Body Painting, Mehendi, Rangoli, Ad-Mad, Mono acting, logo designing, photography (Theme: Rural), Singing and Musical Instrument competition were hosted where the participants presented their idea of patriotism and freedom in the vivid artistic forms. The theme of the entire event was Patriotism. The event was a grand success and it inspired everyone by spreading the message of nationalism.
- Drama club students of Institute of Pharmacy, Nirma University performed and participated in the inter institute one act play competition as a part of celebration of Republic Day on the theme "Equal Opportunity" coordinated by Dr. Dipal Gandhi, Coordinator Drama club and overall event coordinator, One Act Play-2018. Total 7 teams from different Institutes participated and Institute of Pharmacy students won 3 Trophies including Best One Act Play (2nd Prize).
- Music club band named "Mist" gave a music performance during Enigma' 18.

- Members of art & craft club prepared Rangoli on various occasion such as Rostrum 2017, Foundation day 2017, NIPiCON 2018, Euphoria 2018, Refresher courses, CCE Events etc.
- Members of Photography club captured moments of various occasion such as Rostrum 2017, Foundation day 2017, NIPiCON 2018, Euphoria 2018, Refresher courses, CCE Events etc. and shared on social media.

Sports activities:

Around 415 students of B. Pharm, M. Pharm and PhD participated in various Athletic and Non-athletic games viz. Running, throwing, Jumping, Chess, Carrom, Table Tennis, Lawn Tennis, Badminton, Kabaddi, Kho Kho, cricket, Basket Ball, Football, volleyball during academic year 2017-18.

Youth welfare and cultural activities:

- The anti-ragging poster competition was organized at the Institute of Pharmacy, Nirma University on October 13, 2017.
- The annual cultural event ‘Rostrum’17- 'Melange of Talents’ was organized by the Institute of Pharmacy during September 27-28, 2017. Various competitions like Ad-mad, Mime, Monoacting, Dance competition, Song competition, Drama and Mr. and Ms. Rostrum’17 were organized. Shri Ojas Rawal and Shri Prem Gadhvi, Famous gujarati movie actors were the Chief guests for the valedictory function. Prizes were distributed to the best performers and students participated enthusiastically to make the event a grand success.
- RAMZAT-17, Rasgarba programme was organized at the University level on October 7, 2017.
- NUZEAL, Inter-institute cultural festival was organized on February 1 and 2, 2017. Students from Institute of Pharmacy participated in various events.
- Students participated in photography and Short Film competition held at Nirma University.

Performance in Sport activities:

List of winners of Institute of Pharmacy in Inter institute sports competition

Name of the Event	Winners (Boys)	Winners (Girls)
Kho Kho	-	Girls’ Team – First Prize
Kabaddi	Boys’ Team – First Prize	Girls’ Team – First Prize
Lawn Tennis [Doubles]	First Prize: Malhar and Neil	First Prize: Kahini and Zeel
Badminton [Doubles]	-	First Prize: Kahini and Mrunal
Table Tennis [Doubles]	-	Second Prize: Kahini and Zeel
Lawn Tennis [Single]	First Prize: Malhar	-
Badminton [Single]	-	Second Prize: Kahini
Chess	-	Second Prize: Hema
200 meter Run	-	Third Prize: Ankita
4 x 100 meter Relay	-	Second Prize: Ankita, Hema, Kavya and Zeel
Long Jump	-	First Prize: Ankita
Discuss Throw	-	Third Prize: Riya
Javelin Throw	Third Prize: Farhan	Third Prize: Archana

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

Game	First Prize [Boys]	First Prize [Girls]	Second Prize [Boys]	Second Prize [Girls]
100 Meter Running	Aishwarya Mishra	Zeel Dhagat	Vishnukumar Thakor	Kavya Shah
200 Meter Running	Aishwarya Mishra	Ankita Joshi	Shyam Patel	Kavya Shah
400 Meter Running	Urvish Patel	Ankita Joshi	Devansh Shah	Hema Pokar
800 Meter Running	Urvish Patel	-	Maulikkumar Patel	-
1500 Meter Running	Jeet Lariya	-	Shrey Shah	-
Shot Put Throw	Yogesh Budha	Ria Vashishth	Vaibhav Bhagya	Dhwani Patel
Discuss Throw	Yogesh Budha	Ria Vashishth	Devansh Shah	Aditi Singh
Javelin Throw	Vaibhav Bhagya	Aarchna Hariprashad	Farhan Talukdhar	Hema Pokar
High Jump	Jeet Lariya	Vandana Sharma	Urvish Patel	-
Long Jump	Shyam Patel	Ankita Joshi	Vishnukumar Thakor	Kavya Shah
Chess	Malhar A Shah	Molisha Soni	Yash Patel	Hetvi Shah
Carrom	Siddharth Thanki	Hema Pokar	Monil Vasani	Hitanshi Patel
Badminton	Vedant Bansal	Kahini Patel	Anuj Agrawal	Zeel Dhagat
Table Tennis	Apurva Joshi	Kahini Patel	Maulikkumar Patel	
Lawn Tennis	Malhar A Shah	-	Yash Sharma	Mrunal Bhide

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

Sr. No.	Examinations	No. of Students
1	GPAT 2017	17
2	GRE	4
3	NMAT	1
4	TOEFL	3
5	IELTS	32
6	CAT	3 (Appeared)
7	GMAT	0

Alumni Association – activities supporting students

- The annual alumni meet of IPNUAA (Institute of Pharmacy Nirma University Alumni Association) was organized on January 26, 2018. More than 90 alumni members joined for the annual meet. Prof. Manjunath Ghate welcomed all the Alumni Members and shared the updates of Institute. Dr. Sunil Jambhekar and Dr. Eric Kupferberg from USA graced the occasion. Alumni members enjoyed various fun activities arranged by B. Pharm Students. Few Alumni members shared their feedbacks, views and achievements. Dr. Dhaivat Parikh shared the updates about IPNUAA activities and opportunities of alumni networking. The annual meet ended with lunch.

Placement services

- 142 students of B. Pharm underwent summer internship training at hospital / Industry / Pharma retail stores.
- 37 Students of M. Pharm went for Project Research training combined with summer internship training.
- Mock interview session for B. Pharm. and M. Pharm. final year students were conducted.
- Training session on Interview Etiquette, Resume Writing, Professional SWOT Analysis was carried out for final year students.
- Placement related visits were carried out at 19 companies in Mumbai in Nov 2017.
- Placement related visits were carried out in 5 Companies in Vadodara in Dec 2017 and 10 companies in Ahmedabad in Dec 2017.
- Mock placement test was conducted for the students of B.Pharm and M.Pharm which consisted of Aptitude questions as well as technical questions.
- 7 Industry visits were carried out for students of B.Pharm.
- 2 Industry visits were carried out for students of M.Pharm.
- 21 Companies visited the campus for pharma students' recruitment.
- Total 47 students were placed in the financial year 2017-18.

Institute
of
Science

Institute of Science

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Institute of Science

Institute at a Glance

The most outstanding achievement of Institute of Science for the year 2017-18 was implementation of “Fund for Improvement of S&T infrastructure in universities & higher educational institutions (FIST)” grant awarded by Department of Science & Technology (DST), Government of India. Implementation of this grant was being executed by the institute in 2017-18. GSBTM sanctioned for establishing a Bioinformatics Nodal Centre at NIS. Institute of Science continued outstanding research performance contributed by Faculty, PhD scholars and M.Sc. students.

A three day (Dec 14-16, 2017) National Conference namely Immunocon-2017 (44th Annual Conference of Indian Immunology Society) was organized and attended by distinguished researchers from all over the country. Nine dignitaries visited the institute and several expert and invited lectures were arranged for students. The faculty members attended ten workshops and seminars and delivered twenty expert/invited lectures.

The faculty members completed three major grants (1DBT, 2 GSBTM) worth 76.97 lakhs, working on thirteen ongoing projects (DBT, DST, GSBTM, GUJCOST) worth 285.54 lakhs and have received the sanction for two new grants worth 58.12 lakhs (SAC-ISRO, AYUSH). Three minor projects worth 11.45 lacs are ongoing and a new project worth 1 lakh has been sanctioned. One book, two book chapters, twenty eight research papers in international journals and one in Indian journal were published by the faculty with average impact factor of 3.29. A total of twenty two papers were presented by faculty members and students in various national and international conferences. The faculty 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 Achievement

Dr. Sarat Kumar Dalai: Best Professor in Science, Awarded by “Dewang Mehta National Education Awards” on October 4, 2017.

- Vijay Kothari was invited to review applications for Gandhian Young Technological Innovation (GYTI) Awards-2018, instituted by BIRAC-SRISTI. He was also invited as an external expert for the Institutional Biosafety Committee (IBSC: 2017-19) of Indian Institute of Technology, Gandhinagar (IITGN); and Rajasthan School Committee managed by Rajasthan Sewa Samiti.

Important Activities

- On the occasion of 13th Foundation day, Institute of Science, Nirma University organized a Public lecture to commemorate the event. The noted Scientist from NCCS, Pune, Dr. Bhaskar Saha, the recipient of prestigious CSIR Shanti Swarup Bhatnagar Award, delivered the public lecture on 6th September, 2017 at NIM, Auditorium. Dr. Bhaskar Saha is an immunologist, cell biologist and a senior scientist at National Centre for Cell Science, Pune. He is known for his contributions in the fields of immunology and cell signaling. He is an elected fellow of National Academy of Sciences, India and Indian Academy of Sciences.
- A public lecture was delivered by Dr. Sen Pathak, Ph.D., F.N.A.Sc. Distinguished Research Professor, Department of Genetics, The University of Texas M.D. Anderson Cancer Center,

Houston, Texas, USA on 6th February 2018. The visit was arranged under the IMPACT programme of Nirma University.

Immunocon-2017, 44th Annual Conference of Indian Immunology Society during December 14-16, 2017

The 44th Annual Conference of the Indian Immunology society (IMMUNOCON-17) was held during Dec 14-16, 2017 at Nirma University, Ahmedabad. The meeting was partnered by Institute of Advanced Research (IAR), Gandhinagar & B.V. Patel PERD Centre, Ahmedabad. The thematic title of recently concluded scientific congregation “Immune mechanisms of infectious diseases and beyond” provided a platform to explore to a broader range of participants to share and understand the emerging trends and innovations taking place in infectious diseases. The conference witnessed 300 participants from diverse locations and domains. This meeting featured not only the researchers working in diverse realm of immunology & infectious diseases, and length and width of the country but also from abroad. The meeting constituted various sessions on basic Immunology, Innate immunity and Metabolic disorders, Immunomodulation, HIV and Other Viral disease, Stem cell and regenerative medicine, TB and other bacterial disease, Cancer/ transplantation Immunology, Malaria and other parasitic diseases and Vaccine/Immunotherapeutics, etc.

Foundation day/public lecture

The 13th Foundation day of Institute of Science – Nirma University was celebrated on 13th September, 2017 and a Public lecture was organized to commemorate the event. On this occasion, the noted Scientist from NCCS, Pune, Dr. Bhaskar Saha (recipient of prestigious CSIR Shanti Swarup Bhatnagar Award) delivered the public lecture on “*Twenty Five Years in Indian Science: Struggle for Freedom*”. Dr. Bhaskar Saha is an immunologist, cell biologist and a senior scientist at National Centre for Cell Science, Pune. He is known for his contributions in the fields of immunology and cell signaling. He is an elected fellow of National Academy of Sciences, India and Indian Academy of Sciences.

Alumni Meet

The eighth meeting of alumni association of Institute of Science was held on 30th December, 2017 at IPNU Seminar Hall. The meeting was attended by all teaching and non-teaching staff members of NIS. The programme started with prayer and lighting of the lamp. Dr. Sonal Bakshi, Vice President, ISNUAA, explained the significance of alumni reunion and growth of the institution. Prof. Sarat Dalai, Director ISNU, also addressed the gathering emphasizing on role of alumni in development of their alma mater. He suggested on greater cooperation and interaction between alumni and the institute. Some of the former students were invited on the stage for addressing and inspiring current students. They expressed satisfaction on what they have gained from institute and expressed their delight in seeing the progress of institute. Cultural programmes were organized where current students actively participated. It was followed by lunch for all the members during which they did not miss the opportunity to interact with each other. The General Body Meeting was also conducted at the end where Dr. Ameer Nair and Prof. Shalini Rajkumar presented the highlights and discussed with the members and drew a great response from alumni members. The programme ended with vote of thanks by Dr. Kirti Verma, Secretary, ISNUAA.

Dignitaries Visited

- Prof. Swati Patankar, IIT, Bombay invited as Chief Guest for M. Sc. Orientation Programme held on 3rd July, 2017.
- Dr. Tejal Dalal, Ophthalmologist
- Dr. Ram Chandra, Dean, School of Environmental Science, Dept. of Environmental Microbiology, Dr. B.R. Ambedkar Central University, Lucknow
- Dr. Baskaran Thyagarajan, Associate Professor of Pharmaceutics and Neuroscience. Molecular Signaling Laboratory. College of Health Sciences University of Wyoming
- Vrushank Davé, Associate Professor; Pathology, Cell Biology & Oncologic Sciences, Morsani College of Medicine & H. Lee Moffitt Cancer Center & Research institute Tampa, Florida, USA.
- Prasun Kumar, Research Professor, Chungbuk National University, Korea
- Dr. B. Vasanthraj David, chairman of Scientific & Academic Board, International Institute of Biotechnology and Toxicology, Padappai
- Professor Minaxi Desai, MBBS, MRCPath, FRCPath, CBE (Commander of British Empire) School of Healthcare Sciences, & Institute of Cancer, Sciences, Manchester, UK
- Shri Pranav Desai, founder of VoSap from Los Angeles NGO- VOSAP, through SKYPE on 9th February 2018
- Dr. Suman Jain, Dept. of Physiology, AIIMS, New Delhi
- Dr. Pawan Malhotra, ICGEB, New Delhi
- Dr. Deepak Gaur, Professor and Group Leader at Laboratory of Malaria & Vaccine Research, JNU, New Delhi

I. Curricular Aspects:

No. of courses where revision is made

Minor revisions have been made in the syllabus of Basic Immunology (Sem I), Biochemical Toxicology (Sem III) and Endocrinology (Sem III)

Any other Initiative/Innovation in curriculum design

Depending upon the performance of the students, student feedback and opinion of the experts in the board of studies, summer training for the students has been introduced and made compulsory. The students will have to undergo industrial training/summer training of 21 working days to get the hands on experience and orientation for their future careers.

II. Teaching – Learning and Evaluation

Innovation in Teaching-Learning & Evaluation

The students have Core courses, bridge courses and specialized elective courses and enrichment courses offered to them. The students' evaluation is done through Continuous Evaluation rather than a periodic evaluation.

Activities to sustain Healthy Practices

The students are prepared and guided to improve their writing and presentation skills. The Institute has been encouraging students to attend and present posters at various national and international level seminars & conferences to harness their research aptitude. In addition, the students are provided with

a platform to interact with leading researchers from across the country and the globe, who are invited to deliver expert lectures. To ensure ethical and moral values in students a special course on ethics and duties is being taught.

Interdisciplinary Student Projects

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

Name of Student	Studied in	Research Area	Mentor	Particulars
Seth, Krima	M.Sc. in Biotechnology	Developing A Mathematical Model for Understanding Generation of Memory T Cells	Prof. Sarat Dalai	In collaboration with Prof. Vikash Lakhera, Mechanical Engineering, Institute of Technology, Nirma University and his former B. Tech. student Mr. Amar Patel
Surya Trivedi Abhishek Gadhvi	M.Sc. in Biotechnology M.Sc. in Microbiology	Microbial Fuel Cell (Dissertation thesis on “Development of Microbial Fuel Cells and optimization of various parameters for treatment of wastewater and electricity generation”)	Dr. Nasreen S. Munshi	In collaboration with Er. Manisha Shah, Assistant Professor, Electrical Engineering Department, Institute of Technology, Nirma University
Rajvi Chokshi Kinjal Patel Devanshi Upadhyay Uzma Saiyad	Sc. In Biochemistry M. Sc. In Microbiology M. Sc. In Biotechnology M. Sc. In Biotechnology	Ionizing irradiation induced DNA Damage and it’s amelioration by Bambusa arudinacea plant extract	Dr. Sonal Bakshi	The dissertation project of three M.Sc. students was in collaboration with IPNU.

Exam Reforms Implemented

The Institute has implemented the components of Continuous Evaluation. This CE component will include Quizzes, assignments, tests and exams as decided by the Director, Programme coordinator and the respective course coordinator.

Invited/Endowment Lectures

Invited Speakers for Orientation Programme

- Dr. Kaid Johar, Scientist, Iladevi Foundation, Ahmedabad

- Dr. Shivpriya, IIT Gandhinagar
- Dr. Ashutosh Jani, Demystifying Science
- Dr. Sonal Thakor, Dept. of Chemistry, MSU, Vadodara
- Mr. Hari Om Gandhi, Zonal Director, Narcotics Control Bureau, Ahmedabad

Invited Speakers As Expert Lectures

- Dr. Malavika Subramanyam, Assistant Professor, IIT Gandhinagar
- Dr. Tejal Dalal, Ophthalmologist
- Dr. Ram Chandra, Dean, School of Environmental Science, Dept. of Environmental Microbiology, Dr. B.R. Ambedkar Central University, Lucknow
- Dr. Baskaran Thyagarajan, Associate Professor of Pharmaceutics and Neuroscience. Molecular Signaling Laboratory. College of Health Sciences University of Wyoming
- Vrushank Davé, Associate Professor; Pathology, Cell Biology & Oncologic Sciences, Morsani College of Medicine & H. Lee Moffitt Cancer Center & Research Institute Tampa, Florida, USA.
- Dr. Rachel A.J, Sr. Principal Scientist, Center for Cellular and Molecular Biology, Hyderabad
- Dr. Sachin Kumar, Associate Professor, Department of Biosciences and Bioengineering, Indian Institute of Technology Guwahati
- Prasun Kumar, Research Professor, Chungbuk National University, Korea
- Dr. B. Vasanthraj David, chairman of Scientific & Academic Board, International Institute of Biotechnology and Toxicology, Padappai
- Professor Minaxi Desai, MBBS, MRCPPath, FRCPath, CBE (Commander of British Empire) School of Healthcare Sciences, & Institute of Cancer, Sciences, Manchester, UK
- Shri Pranav Desai, founder of VoSap from Los Angeles NGO- VOSAP, through SKYPE on 9th February 2018
- Dr. Suman Jain, Dept. of Physiology, AIIMS, New Delhi.
- Dr. Pawan Malhotra, ICGEB, New Delhi

III Research, Consultancy and Extension

Summary:

Major Research Projects funded by external agencies

Financial Year	Completed		Ongoing		Sanctioned	
	Number	Amount (in lacs)	Number	Amount (in lacs)	Number	Amount (in lacs)
2017-18	2	44.15	10	299.71	-	-
2016-17	3	76.97	10	285.54	2	58.12

Minor Research Projects funded by external agencies

Financial Year	Completed		Ongoing		Sanctioned	
	Number	Amount (in lacs)	Number	Amount (in lacs)	Number	Amount (in lacs)
2017-18	3	10.99	1	1.46	-	-
2016-17	0	0	3	11.45	1	1.00

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

Financial Year	National Conference		International Conference	
	Number	Amount	Number	Amount
2017-18	2	--	5	35150/-
2016-17	-	--	-	--

Details:

Ongoing Research Projects

1. Dr. Mili Das, Assistant Professor is working on a project “Generation of thermostable variants of a mesophilic amylase by directed evolution and their characterization.” For Rs. 15.95 lakhs funded by Gujarat State Biotechnology Mission (GSBTM), Government of Gujarat.
2. Prof. Sarat K Dalai is working on a project on “Infectious nature of Plasmodia modulating the innate response of host in liver stage infection deciding the fate of adaptive immunity” Dept. Science and Technology New Delhi worth 52.10 lakhs
3. Dr. Sarat Dalai, is working on project titled “Development of Chimeric IL-15 to improve its bioavailability and efficacy” from Department of Biotechnology, GoI for financial support. (Rs. 34.18 lakhs)
4. Dr. Rajeev Tyagi, Assistant Professor, was sanctioned a project titled ‘Humanized Liver’ to study liver stage infection of Plasmodium falciparum’ by Department of Science and Technology-SERB, New Delhi worth Rs. 43 lakhs.
5. Dr. Pranati Sar was sanctioned a project entitled “Regulation of MHC II expression: Immunity to malaria” by Department of Science and Technology- Science and Engineering Research Board, New Delhi, India with a grant Rs. 35.10 lakhs.
6. Dr. Sriram Seshadri, Assistant Professor got a project sanctioned from Gujarat State Biotechnology Mission (GSBTM) entitled “Elucidating the role of short chain fatty acids (SCFAs) and its receptors in high sugar diet induced type II diabetes” with grant of Rs.22.51 lakhs.
7. Dr. Sriram Seshadri, Assistant Professor got a project sanctioned from Department of Biotechnology (DBT) entitled “Investigation of the regulatory role of miR-712 in inflammation induced skeletal muscle insulin resistance” with grant of Rs. 9.35 lakhs.
8. Dr. Ameer K. Nair, Assistant Professor got a project sanctioned from Gujarat Council on Science and Technology (GUJCOST) entitled “Demographic survey of major cities of Gujarat for creation of Diabetic map”. The total amount sanctioned for the project is Rs. 1.46 lakhs.
9. Dr. Ameer K. Nair, Assistant Professor received a major project sanctioned from Department of Science and Technology (DST) titled “Role of Synaptogenic Adhesion Molecules (SAMs) in Insulin Secretion: Effect of Diabetes and Hypoglycemia”. The total amount sanctioned for the project is Rs. 29.40 lakhs.
10. Dr. Nasreen Munshi was sanctioned a project entitled “Determination of specific absorption coefficient for the dominant macro algal species of Indian coastal water- A step towards developing bio markers and pigments algorithm” by SAC-ISRO : Collaborative interdisciplinary project with IPNU, Dr. Priti J. Mehta (PI), Dr. Sanjeev Acharya (Co-PI), Dr. Nasreen Munshi (Co-PI) with grant of Rs. 16.00 lakhs.

11. Dr. Sonal Bakshi was sanctioned project “Development of neoadjuvant from medicinally important bamboo plants for radiotherapy in cancer” from Ministry of AYUSH with grant of Rs. 42.12 lakhs.

Research Projects Completed

The Institute has successfully completed three external funded projects. The details of the same are as follows.

1. Dr. Shalini Rajkumar completed project “Molecular basis of succinate mediated (catabolite) repression of mineral phosphate solubilization in nitrogen fixing *Klebsiella pneumoniae* by Science and Engineering Research Board (SERB), Department of Science and Technology (DST), Government of India with grant of Rs. 28.88 lakhs.
2. Dr. Sonal R. Bakshi, Assistant Professor completed project sanctioned from Gujarat State Biotechnology Mission (GSBTM), Department of Science & Technology (DST), Government of Gujarat entitled “Idiopathic mental retardation and dysmorphisms: Karyotypic and UPD analysis” with grant of Rs.15.27 lakhs
3. Dr. Sonal R. Bakshi, Assistant Professor completed project sanctioned from Gujarat Council on Science and Technology (GUJCOST) entitled “Downs Syndrome In Gujarat: Molecular Probing In Origin” with grant of Rs.6 lakhs.
4. Vijay Kothari has completed project of Rs. 3.99 lakhs for “Investigation of the molecular basis of enhanced exopolysaccharide (EPS) production by *Xanthomonas campestris* under influence of audible sound” by GUJCOST (GUJCOST/MRP/2014-15/2557).
5. Project titled “Validation of the in vitro and in vivo efficacy of ‘Herboheal’ against wound-infective bacteria, with respect to its possible quorum-modulatory potential, and elucidation of the underlying molecular mechanism” completed by Vijay Kothari by SRISTI-BIRAC (worth Rs. 1 lakh) was completed in Dec 2017.

Publication by Institute – International/ National Conference Proceedings, Institute Journals, dissertation abstracts, Ph. D. 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
2017-18	0	0	0	26	11	3.40
2016-17	0	0	0	29	15	3.29

Details:

Research Publications by Faculty

1. Hardik Patel, Naveen Yadav, Rajesh Parmar, Agam P Singh, Satish Patel, Neeta Shrivastava, Sarat K. Dalai (2017) Frequent inoculations with Radiation attenuated sporozoite is essential for

- inducing sterile protection that correlates with a threshold level of Plasmodia liver-stage specific CD8+ T cells. *Cellular Immunology*, 317:48-54 10.1016/j.cellimm.2017.05.001 (Imp factor: 3.1)
2. Vijay Kothari, Pooja Patel, Chinmayi Joshi, Brijesh Mishra, Shashikant Dubey, Milan Mehta (2017). Sonic Stimulation can affect Production of Quorum Sensing Regulated Pigment in *Serratia marcescens* and *Pseudomonas aeruginosa*. *Current Trends in Biotechnology and Pharmacy*, 11 (2) 122-129. Also available at: doi:http://dx.doi.org/10.1101/072850 (bioRxiv 072850).
 3. Niral Sarvaiya, Vijay Kothari (2017). Audible sound in form of music can influence microbial growth, metabolism, and antibiotic susceptibility. *Journal of Applied Biotechnology and Bioengineering*, 2(6):00048. DOI: 10.15406/jabb.2017.02.0008; DOI: 10.13140/RG.2.1.2059.8481.
 4. Pinakin Khambhala, Purva Paliwal, Vijay Kothari (2017). Microwave mutagenesis of *Brevibacillus parabrevis* for enhanced cellulase production, and investigation on thermostability of this cellulase. *Journal of Microbiology, Biotechnology and Food Sciences*, 6(5):1213-1217. doi: 10.15414/jmbfs.2017.6.5.1213-1217. Also available at: doi:http://dx.doi.org/10.1101/064410; bioRxiv 064410.
 5. Bhagya Iyer, Mahendrapal Singh Rajput and Shalini Rajkumar (2017) Effect of succinate on phosphate solubilization in nitrogen fixing bacteria harbouring chick pea and their effect on plant growth. *Microbiological Research* 202: 43-50. (Imp factor: 2.56)
 6. Bhagya Iyer and Shalini Rajkumar (2017) Host specificity and plant growth promotion by bacterial endophytes. *Current Research in Microbiology and Biotechnology*. 5(2): 1018-1030.
 7. Garg NK, Tyagi RK, Sharma G, Jain A, Singh B, Jain S, Katare OP. Functionalized Lipid-Polymer Hybrid Nanoparticles Mediated Codelivery of Methotrexate and Aceclofenac: A Synergistic Effect in Breast Cancer with Improved Pharmacokinetics Attributes. *Mol Pharmaceutics*. 2017 Jun 5;14(6):1883-1897. doi: 10.1021/acs.molpharmaceut.6b01148.
 8. Rawal T, Parmar R, Tyagi RK, Butani S. (2017) Rifampicin loaded chitosan nanoparticle dry powder presents an improved therapeutic approach for alveolar tuberculosis. *Colloids Surf B Biointerfaces*.1;154:321-330.doi: 10.1016/j.colsurfb.2017.03.044.
 9. Kunjal Agrawal, Vishwa Vyas, Yamnah Hafeji and Rajeev Tyagi. Clodronate Loaded Liposome Mediated Immunosuppression Plays an Instrumental Role in the Development of a “Humanized Mouse” working title of the book "Liposomes", ISBN 978-953-51-5467-9. (Intech Publishers, croatia)
 10. Vijay Kothari, Sakshi Sharma, Divya Padia (2017). Recent research advances on *Chromobacterium violaceum*. *Asian Pacific Journal of Tropical Medicine*, 10:744-752. doi: 10.1016/j.apjtm.2017.07.022.
 11. Manoj Patidar, Naveen Yadav, and Sarat K. Dalai* Influence of Length and Amino Acid Composition on Dimer Formation of Immunoglobulin based Chimera (Current Pharmaceutical Design, doi:10.2174/1381612823666171018115206)(Impact factor 2.6)
 12. Aditi Mohankrishnan, Rajesh Parmar, Vishakha Bhurani, and Sarat K. Dalai* Lack of TNF- α signaling through p55 makes the mice more susceptible to acute infection but does not alter state of latency and reactivation of HSV-1 (*Virus Research*, doi: 10.1016/j.virusres.2017.11.004) (Impact factor 2.7)
 13. Avani Darji, Nirav Desai, R. Modi, B. Khamar and Shalini Rajkumar (2017) Establishment of cell line with NK/NKT phenotype from Myeloid NK cell acute leukemia. *Leukemia Research*. (Imp factor: 2.35)

14. General article: Vijay Kothari (2017). Being a young researcher, teacher, and clerk at the same time. <https://indiabioscience.org/columns/journey-of-a-yi/being-a-young-researcher-teacher-and-clerk-at-the-same-time>.
15. Sriram Seshadri. Microbial Communication via Quorum Sensing: Influence and Alteration of Gut Ecosystem. *Journal of Biochemistry and Molecular Biology*; 4(1): 1020-1023, 2017.
16. Rushika Patel, Purvi Zaveri & Nasreen S. Munshi (2017): Microbial fuel cell, the Indian scenario: developments and scopes. *Biofuels*, 8 : 1-8, DOI: 10.1080/17597269.2017.1398953.
17. Avani Darji, Kaushal A, Nirav Desai and and Shalini Rajkumar (2018) Natural Killer Cells: From Defense to Immunotherapy in Cancer. *Journal of Stem Cell Research & Therapy* 8:3 DOI: 10.4172/2157-7633.1000419 (Imp factor: 3.18)
18. Vijay Kothari, Chinmayi Joshi, Pooja Patel, Milan Mehta, Sashikant Dubey, Brijesh Mishra, Niral Sarvaiya (2018). Influence of a mono-frequency sound on bacteria can be a function of the sound-level. *Indian Journal of Science and Technology*, 11(4). DOI: 10.17485/ijst/2018/v11i4/111366. Also available at: bioRxiv 071746; doi: <http://dx.doi.org/10.1101/071746>
19. Behera Soma, Kapadia Bandish, Kain Vasundhara, Alamuru-Yellapragada Neeraja, Murunikkara Vachana, Kumar Sireesh, Phanithi Prakash Babu, Seshadri Sriram, Shivarudraiah Prasad, Hiriyana Jagadheshan, Gangula Narmadha, Maddika Subbareddy, Misra Parimal, Parsa Kishore VL. ERK1/2 activated PHLPP1 induces skeletal muscle ER stress through the inhibition of a novel substrate AMPK. *BBA Molecular Basis of Disease*, 2018: 1864(5): 1702-1716. (Impact factor = 5.476).
20. Ambreen Asim, Sarita Agarwal, Inusha Panigrahi, Nazia Saiyed, Sonal Bakshi. MTHFR promoter hypermethylation may lead to congenital heart defects in Down syndrome (Brief Report), *Intractable & Rare Diseases Research*, 6(4):295-298, 2017. ISSN: 2186-3644 / CODEN: Publisher: IACMHR Co., Ltd. International Advancement Center for Medicine & Health Research (IACMHR), Japan [Pubmed, Gov, and J-Stage].
21. Infectious sporozoites of Plasmodium berghei effectively activate liver CD8 α + Dendritic cells. Rajesh Parmar, Hardik Patel, Naveen Yadav, Ritika Parikh, Khyati Patel, Aditi Mohankrishnan, Vishakha Bhurani, Urja Joshi and Sarat Kumar Dalai* *Frontiers in Immunology* 9:192 doi: 10.3389/fimmu.2018.00192 (Impact factor = 5.6)
22. In vitro DNA Binding, antioxidant, antimicrobial and anticancer assessment of amino acid functionalized magnetic nanoparticles. Shivani R.Pandya, Suhani Patel, Sonal Bakshi, ManSingh, in *Applied Surface Science*, accepted in April 2018, Impact Factor: 3.387
23. Young mothers and higher incidence of maternal meiosis-I non- disjunction: Interplay of environmental exposure and genetic alterations during halt phase in trisomy 21, To be published in: *Reproductive Toxicology*, Acceptance date:20th April 2018. Impact Factor: 2.341
24. Prasant Kumar Jena, Bhumika Prajapati, Nidhi Nagar, Pradyumna Kumar Mishra, Sweta Patel, Dipeeka Mandaliya, Sriram Seshadri. Recombinant *Lactobacillus helveticus* PJ4-Down Regulates TLR4 Mediated Inflammatory Responses in Sucrose Induced Diabetic Rats: A Novel Therapeutic Approach. *Research & Reviews: A Journal of Immunology*, 7(2): 44-65, 2018.
25. Bhargava Arpit, Pathak Neelam, Seshadri Sriram, Bunkar Neha, Jain Subodh Kumar, Mishra Dinesh Kumar, Lohiya Nirmal Kumar, Mishra Pradyumna Kumar. Pre-Clinical Validation of Mito-Targeted Nano-Engineered Flavonoids Isolated From *Selaginella bryopteris* (Sanjeevani) As A Novel Cancer Prevention Strategy. *Anti-Cancer Agents in Medicinal Chemistry*, 2018 DOI: 10.2174/1871520618666171229223919 (Impact Factor = 2.598).

26. Behera Soma, Kapadia Bandish, Kain Vasundhara, Alamuru-Yellapragada Neeraja, Murunikkara Vachana, Kumar Sireesh, Phanithi Prakash Babu, Seshadri Sriram, Shivarudraiah Prasad, Hiriyan Jagadheshan, Gangula Narmadha, Maddika Subbareddy, Misra Parimal, Parsa Kishore VL. ERK1/2 activated PHLPP1 induces skeletal muscle ER stress through the inhibition of a novel substrate AMPK. *BBA Molecular Basis of Disease*, 2018 1864(5):1702-1716 (Impact Factor = 5.476).

Total Impact Factor & 37.44 (11)

Total Citation Index: 733 (This is calculated from GoogleScholar data, and the number given is total of all NIS faculties citation for the calendar year 2017)

Other Publications (Books, Chapter in Books, Case Studies, Manual Monographs, articles, etc.)

Book Chapter:

1. Manoj Patidar, Naveen Yadav and Sarat K. Dalai (2017) Pulling back to the nature: a condition to fight IBD. eBook on Inflammatory Bowel Disease (<http://openaccessebooks.com/ebooks.html>).
2. Sriram Seshadri. Lactobacillus and Urinary Tract Infection. Mc-Graw Hill Open Publishing, USA, ISBN: 978-1-3870-5218-9, 2017.
3. Bhagya Iyer and Shalini Rajkumar (2017). A Metagenomic Approach to Identify Distinct Rhizospheric and Endophytic Bacterial Communities from Roots and Root Nodules of *Vigna radiata*. In: Understanding Host-Microbiome Interactions - An Omics Approach, 173-192. Ravindra Pal Singh, Ramesh Kothari, Prakash G. Koringa, Satya Prakash Singh (Eds.) Springer –Singapore.
4. Sriram Seshadri. Lactobacillus and Urinary Tract Infection. Mc-Grew Hill Open Publishing, USA, ISBN: 978-1-3870-5218-9, 2017.
5. Sriram Seshadri. Understanding the role of probiotics as a possible treatment strategy for alcoholism induced liver dysfunction. In: B. S. Chhikara and Vinod Kumar Shanwal (Eds). Alcoholism: Causes, Symptoms Effects and Treatment. ISBN: 9789386677488, Manakin Press.
6. Vishakha Bhurani and Sarat Kumar Dalai* (2018) Therapeutic potentials of IL-10 vs IL-12. IntechOpen: Immunotherapy ISBN 978-953-51-6100-4.
7. Vijay Kothari, Chinmayi Joshi, Pooja Patel, Deepa Shahi, Charmi Vyas, Bhumika Prajapati, Sweta Patel, Deepika Mandaliya, Sriram Seshadri. Chapter 8: Nanotechnological approaches to colon-specific drug delivery for modulating the quorum sensing of gut-associated pathogens. In: Alexandru Mihai Grumezescu (Ed.) Design of nanostructures for versatile therapeutic applications. Elsevier Publishers, USA, eBook ISBN: 9780128136683/Paperback ISBN: 9780128136676 (2018), 325-377.
8. Suhani Patel, Sonal Bakshi published a book chapter entitled “Nano in fine print” on invitation under the initiative of Gujarat National Law University, a Gov. of Gujarat funded project under the theme of “Red Biotechnology: Issues, Challenges & regulatory Framework”, submitted in October 2017, acceptance received on 14th March 2018.
9. Vijay Kothari, Pooja Patel, Chinmayi Joshi (2018). Chapter 13: Modulation of microbial quorum sensing: Nanotechnological approaches. In: Design of Nanostructures for Versatile Therapeutic Applications (Ed. Alexandru Mihai Grumezescu) Elsevier. p. 523-564. ISBN: 0128136685, 9780128136683.

Awards and Recognition (Institute/ Department/ Faculty)

Dr. Vijay Kothari was inducted as a member of Society of Ethnopharmacology.

Internal Resources Generated (Consultancy)

Dr. Nasreen S. Munshi received a Consultancy project from Shukla Ashar Impex Pvt. Ltd., Rajkot on “Evaluation of Green Clean for potentiality of oil/ hydrocarbon degradation”, on 26th December, 2017 with total cost of Rs. 12,82,424/- for duration of 8 months.

Extension Activities/ Community Services by Institute/ Department

1. On 7th April 2017, M.Sc. students contributed to the social initiative by ophthalmologist Dr. Tejal Dalal, Tej Center for Eye Care by donating used spectacles, extra frames which Dr. Tejal uses for the children and old people who need and cannot afford buying the spectacles. Dr. Dalal is recognized with the “Swayamsiddha Award 2015” in ‘Service Sector’ in Vibrant Gujarat Business Women National conclave hosted by Gujarat Chamber of Commerce & Industry (GCCCI) Business Women Wing (BWW) in partnership with Indian Merchant Navy. She also received the "Jiyo Dilse 2015" by 94.3 MY FM radio in ‘Health and sanitation’ category. Dr. Sonal Bakshi coordinates the Social Extension Activities at Institute of Science and is responsible for increasing such awareness in young minds.
2. Bill Gates has initiated a drive for donating a mosquito net in Inhambane province—a region in Mozambique, on behalf of a person who reads the article on the site of gatesnotes on 15th Aug. 2017;
[https://www.gatesnotes.com/Health/MosquitoWars?WT.mc_id=08_15_2017_10_MosquitoWars_BG-EM_&WT.tsrc=BGEM] and answers a question!
3. Around 100 M.Sc. students of ISNU responded to the noble and innovative call and donated mosquito nets treated with insecticide and is safe for human use and can last for 3 years. It was a satisfying and enlightening experience for team ISNU. Dr. Sonal Bakshi initiated and coordinated the donation.
4. Team ISNU collected Rs.6000/- in response to a call for helping a patient of Hunter syndrome from Ahmedabad and donated to the needy family on 12th Sept. 2017. Dr. Sonal Bakshi initiated and coordinated the donation, also informed students regarding this rare genetic disorder and its current state of therapy.
5. Institute of Science, Nirma University organized a camp for Eye Check-up on Saturday, 16th
6. September 2017, an initiative of Tej Eye Center, Dr. Tejal Dalal (<http://tejeyecenter.com>). Around 138 members availed detailed eye checking using manual and computer based analysis, slit lamp etc. from various institutes and office staff of Nirma University by 5 team members of Tej Eye center. They were given further advice and a free coupon for eye check-up for self and family. A lecture on “Avoidable Blindness” by Dr. Tejal Dalal was attended by students and faculty members of ISNU on 18th September, Monday during 11-12 at the IPNU seminar hall. The talk was very informative and interactive. Dr. Sonal Bakshi coordinated the event and discussed with Dr. Tejal Dalal possibilities for joining socially useful social extension work and scientific survey by faculty members and M.Sc. students.
7. 8th Nov. 2017: Dr. Sonal Bakshi, Co-ordinator of Social Extension Activity of ISNU was invited to participate in a seminar on the topic “CSR for Specially Abled People ” organized by the CSR Committee of the Gujarat Chamber of Commerce & Industries under the Chairmanship of Shri Piyushbhai Desai. It was a good opportunity to meet and interact with Mr. Pranav Desai

from Los Angeles, USA who is founder of Voice of Specially Abled People (VoiceofSAP) that promotes accessibility and other need based services for persons with disabilities. Mr. Pranav Desai is known for his very significant role in getting the Rights of Persons with Disabilities Act, 2016 enacted, and in getting the “Accessibility Campaign” launched. The seminar was attended by corporates, NGOs, and others at the GCCI Premises, Ashram Road, Ahmedabad. Mr. Pranav Desai and other NGOs appreciated Nirma University's initiative of Social Extension Activity as a part of the curriculum and encouraged participation of the students in the noble cause. He also suggested to take a pledge by registering through the APP [VOSAP from Google Play Store] and contribute to the cause.

- 8.
9. VoSAP is an advocacy organization working towards the goal of Accessible India (Sugamya Bharat) by honourable Prime Minister Shri Narendra Modi. This is a global team of compassionate volunteers, inspiring people and creating awareness to embrace ISR(Individual Social Responsibility) towards people with special ability or Divyang.
- 10.
11. A Skype lecture by Shri Pranav Desai, founder of VoSAP from Los Angeles was organized on 9th February 2018 during at the ILNU smart class. Mr. Desai along with the team members from Ahmedabad presented videos and interacted with students, discussed how they can contribute to the cause of making our city accessible as a part of their course on Social Extension activity and beyond. Faculty coordinators Ms. Chhavi Kochhar and Dr. Sonal Bakshi joined the students in taking a pledge using the VoSAP mobile application, and committed to spread the message. The M.Sc. students participated with great motivation and shared their personal experiences with the team who offered valuable guidance towards getting accessibility. The students will be working towards collecting pictures of public places with comments regarding accessibility and upload in the App. They will also motivate others to take a pledge to work towards accessibility issue.
12. M.Sc. students visited Hiramani Old age home in 3 groups and carried out outreach activities and interacted with them over three different sessions.
13. M.Sc. students visited Miroli village for Rural Education along with the ITNU team of student volunteers and participated in teaching the rural students basics of hygiene, sanitation, and health in a fun way.

Linkages with national/ international academic/ research bodies

The faculty members are having linkages with THSTI, Faridabad, Jawaharlal Nehru University (JNU) New Delhi, National Institute of Immunology (NII) New Delhi, Indian Institute of Science (IISc) Bangalore, SGPGI Lucknow, Maharaja Sayajirao University (MSU) Baroda, Indian Institute of Advanced Research (IIAR), Gandhinagar, Gujarat State Biotechnology Mission (GSBTM), Gandhinagar, Forensic Science Laboratory (FSL) Gandhinagar, Gujarat Cancer Research Institute (GCRI), Xcelris Genomic Lab, Department of Nanoscience, Central University of Gujarat, Supratech Genopath laboratory, AGILE lab, New Delhi, GPS bio, Hyderabad and Unipath laboratory. The main purpose of these linkages is to build up a strong research group and submitting joint project proposals for external funding.

IV Infrastructure and Learning Resources

Computer facilities added

The GSBTM, DST of Gujarat, had invited applications for setting up the Bioinformatics facility in which ISNU had presented proposal in June 2017. The proposal for Bioinformatics lab was sanctioned for ISNU that includes five workstations and connection with the server at GSBTM for high end analysis and access to various tools and databases of genomics and proteomics.

Library – Learning Resources added

Books (Volumes)	2404
Books (Titles)	2120
Print Periodicals	6
E-journals	14
Newspapers	3
Electronic Media (CD-ROMs)	104
Photo Albums	24
Project Reports	292
Bound Volumes	394

Laboratory facilities – Major additions

1. All the classes in Institute of Science have been converted to research laboratories. The research wing also has a plant growth chamber, laminar air flow area (microbial handling), separate autoclaving and decontamination area and one air conditioned central instrumentation facility in the ground floor of Institute.
2. In the last academic session, the major equipments purchased and successfully installed include two 1mg capacity, One 0.1mg capacity weighing balance, water bath, autoclave, Gel rocker, vacuum pump, Flojo software and an attached computer.

V Student Support and Progression

Admission details with cut-off percentage marks – category wise

The minimum percentage of marks required for seeking admissions is 50% in their graduation. Further admission is given purely on the basis of the merit obtained in the Entrance Examination conducted by the Institute.

Name of the programme	No. Of applicants	Cut off (As per NU Entrance)		No. of students admitted
		First	Last	
M. Sc. in Biotechnology	287	09	132	39
M. Sc. in Biochemistry		01	156	25
M. Sc. in Microbiology		07	104	26

Student Achievements

1. M.Sc dissertation student (Mr. Ramesh Chaudhari 15mmb005@nirmauni.ac.in) under Dr. Rajeev K. Tyagi was awarded Bill and Melinda Gates Foundation Global Health Travel Award, USA to attend the conference on “T1 Vectors, Pathogens and Diseases: Current Trends and Emerging Challenges conference”. Mr. Chaudhari attended the Keystone Symposium at the Southern Sun Elangeni & Maharani, Durban, KwaZulu-Natal, South Africa during Sep 10 - Sep 14, 2017.
2. Ms. Fulesh Kunwar, Ph.D. student, Dr. Sonal Bakshi, and Prof. Sarat Dalai, were invited to attend the workshop jointly organized by the Gujarat State Biotechnology Mission and Imperial Life Sciences & Pacific Biosciences (PacBio) on “Emerging NGS Technology & Bioinformatics Update” on 26th July 2017 at Ahmedabad. Application scientists explained in depth topics like Single Molecule Real Time (SMRT) Sequencing Technology including Whole Genome Sequencing and Analysis, Targeted Enrichment and Sequencing and Analysis Isoform Sequencing (RNA Sequencing) and Analysis.
3. Ms. Dhriti P. Shah had participated and given an oral presentation on “Hypoglycemia disrupts docking of Insulin vesicles by down regulation of Neurexin-1 expression during Diabetes” in the “National Symposium on Current Research in Biotechnology and Annual Meet of Society for Biotechnologists India (SBTI)” organized by Department of Pharmaceutical Biotechnology, JSS College of Pharmacy, Udhagamandalam during 15th and 16th September, 2017.
4. Ms. Dhriti P. Shah won the “IBS Award for the Best Original Paper Presentation (Oral) in Medical Biotechnology” at “National Symposium on Current Research in Biotechnology and Annual Meet of Society for Biotechnologists India (SBTI)” organized by Department of Pharmaceutical Biotechnology, JSS College of Pharmacy, Udhagamandalam during 15th and 16th September, 2017.
5. Ms. Shailja Verma, Ph. D. Student working under Dr. Sriram Seshadri presented a paper entitled “Evaluating The In Vitro Efficacy of Ferula Asafoetida for Its Anti-Cancer Potentials” at World Cancer Congress, held at Science City, Kolkatta during 20-22nd September, 2017.
6. Shailja Verma, Ph. D. Student working under the guidance of Dr. Sriram Seshadri, delivered oral presentation on Evaluating the in vitro efficacy of ferula asafoetida for its anti-cancer potentials at World Cancer Congress – 2017, Science City, Kolkata, September 20-21, 2017.
7. Under the guidance of Dr. Nasreen S. Munshi, Ph.D. scholars Anwasha Mukherjee presented a poster on “Effect of operational parameters on power generation by Microbial Fuel Cell with graphite electrode”, Purvi Zaveri presented a poster on “Characterizing the effects of alternative nitrogen sources and micro-nutrients on biodegradation of sodium benzoate by Pseudomonas citronellolis using Plackett- Burman Design” and Rushika Patel presented a poster on “Immobilization and survival study of aromatic hydrocarbon pollutants sensing bacterial strains” in XIV BRSI Convention and International Conference on “Emerging Trends in Biotechnology for Waste Conversion (ETBWC)” organized by CSIR-National Environmental Engineering Research Institute, Nagpur during October 8 – 10, 2017.
8. Visha Rathod, Ph.D. scholar working under the guidance of Dr. Nasreen Munshi presented a poster on “Morphological and metabolic characterization of Rust Disease (*Puccinia arachidis*) in peanut (*Arachis hypogaea*), at GSBTM sponsored International Symposium on "Emerging Biological Trends in 21st Century", organized by School of Sciences, P.P. Savani University, Kosamba, Gujarat on 5th November, 2017.
9. Purvi Zaveri, Ph.D. scholar working under the guidance of Dr. Nasreen Munshi presented a poster on “Development of strategy for designing of scalable bioremediation process for hydrocarbon

- degradation in common industrial wastewater of Gujarat” in International Symposium of Association of Microbiologists of India on "Microbes for Sustainable Development: Scope & Applications" (MSDSA-2017) organized by Babasaheb Bhimrao Ambedkar Central University, Lucknow, India, during November 16 – 19, 2017.
10. Vishakha Bhurani working with Dr. Sarat Dalai has presented her research work entitled “Pattern of Administration of TLR Ligands Dictates the Vaccine Induced Memory T cell Responses” at IMMUNOCON 2017 organized by Institute of Science, Nirma University during 14th -16th December 2017. (Best Poster Presentation Award)
 11. Rajesh Parmar working with Dr. Sarat Dalai has present his research work entitled “Infectious status of Plasmodium berghei sporozoite influences the immune status of CD8 α +DCs in liver” at IMMUNOCON 2017 organized by Institute of Science, Nirma University during 14th -16th December 2017. (Best Poster Presentation Award)
 12. Bhagya Iyer and Shalini Rakumar has presented her research work titled “Genetic basis of succinate mediated repression of mineral phosphate solubilization in Rhizobia” at Biotechnology 2018; an International conference on Biotechnology and Environmental Science organized by As few conference string, New Delhi. 18th -20th March, 2018. (Best presenter’s Award)
 13. Ekta Joshi and Shalini Rakumar has presented a poster entitled “Biochemical link between arabinose utilization and mineral phosphate solubilization (MPS) in rhizobia and its catabolite repression by succinate” at Biotechnology 2018; an International conference on Biotechnology and Environmental Science organized by as few conference string, New Delhi. 18th -20th March, 2018.
 14. Bhagya Iyer and Shalini Rakumar has presented her research work titled “Genetic basis of repression of MPS phenotype in Rhizobia” at UGC- National conference on Current Trends in Biological Sciences-II (CTBS-2018) at PG department of Biosciences, SPU, Vallabh Vidhyanagar, 9th Feb 2018.
 15. Ekta Joshi and Shalini Rakumar has presented a poster entitled “Biochemical link between arabinose utilization and mineral phosphate solubilization (MPS) in rhizobia and its catabolite repression by succinate” at UGC- National conference on Current Trends in Biological Sciences-II (CTBS-2018) at PG department of Biosciences, SPU, Vallabh Vidhyanagar, 9th Feb 2018.
 16. Ekta Joshi and Shalini Rakumar has presented a poster entitled “Biochemical link between arabinose utilization and mineral phosphate solubilization (MPS) in rhizobia and its catabolite repression by succinate” at XXXII GUJARAT SCIENCE CONGRESS – 2018, Science and Technology for Capacity Building & Inclusive Growth: The Role of Academies and Academia 4-5, February, 2018. (Best Poster presentation Award)
 17. Krishna Bharwad and Shalini Rajkumar presented research work titled “Ideas to Circumvent Failure of Phosphate Solubilizing Bacteria (PSBs) in Field Conditions: Mineral phosphate solubilization (MPS) by Acinetobacter sp. and effect of environmental conditions on MPS ability” at National Student Conclave -2017, Seminar on Science, Technology & Innovation at Amity Institute of Applied Sciences, Amity University Uttar Pradesh 18-19th January, 2018. (Best Poster presentation Award)
 18. Krishna Bharwad and Shalini Rakumar presented research work titled “Modulation of membrane glucose dehydrogenase and soluble glucose dehydrogenase activity of phosphate solubilizing Acinetobacter sp. SK2 in presence of succinate” at One Day National Seminar on “Plant-microbe Interactions in Plant Health, Disease and Bio-control”. Maharaja Sayajirao University of Baroda, Vadodra, Gujarat, Ahmedabad, 4th October, 2017.
 19. Shalini Rajkumar, Krishna Bharwad and Ekta Joshi presented poster “Role of secondary metabolites of PGPR in biocontrol of phytopathogens at National Conference of Plant Physiology

- organized by Indian Society of Plant Physiology, New Delhi and Department of Plant Physiology, Agriculture Biochemistry, Medicinal and Aromatic Plants, Indira Gandhi Krishi Vishwavidyalaya, Raipur, Chhattisgarh from 23rd – 25 November, 2017.
20. Champaneria Akshita Akshay Kavita attended Biotechnology 2018; an International conference on Biotechnology and Environmental Science organized by As few conference string, New Delhi. 18th -20th March, 2018.
 21. Ekta Joshi and Champaneria Akshita Akshay Kavita attended One Day National Seminar on “Plant-microbe Interactions in Plant Health, Disease and Bio-control”,Maharaja Sayajirao University of Baroda, Vadodra, Gujarat, Ahmedabad, 4th October, 2017.
 22. Dhriti P. Shah, Ph.D student of Dr. Ameer Nair, ISNU presented a poster titled Hypoglycemia Induces Down-Regulation of Neuroligin-2 Expression in Pancreas of Streptozotocin Induced Diabetic Rats organized by Institute of Pharmacy, Nirma University, Ahmedabad, Gujarat during 23-25 January, 2018.
 23. Madhavi Joshi, Ph.D student of Dr. Ameer Nair, ISNU presented a poster titled ‘Identification of novel Small Molecule Activators of ErbB 4 from Phytochemicals to Enhance Remyelination’ organized by Institute of Pharmacy, Nirma University, Ahmedabad, Gujarat during 23-25 January, 2018.
 24. Shivani Joshi, M.Sc. Dissertation student of Dr. Ameer Nair, presented a poster titled ‘Prevalence of Diabetes and its Associated Risk-factors in Gandhinagar and Mehsana district of North Gujarat’ organized by Institute of Pharmacy, Nirma University, Ahmedabad, Gujarat during 23-25 January, 2018.
 25. Ms. Shailja Verma, Ph. D. student of Dr. Sriram Seshadri, gave a talk on “Evaluating The In Vitro Efficacy of Ferula Asafoetida For Its Anti-Cancer Potentials” at International Conference on Recent Advances in Biosciences and Bioengineering, organized by Institute for Engineering Research and Publication, Chennai at Parul University, March 8-10, 2018. She also got the Best Student Presentation Award.
 26. Madhavi Joshi, Ph.D student of Dr. Ameer Nair, won 2nd Prize for Best Oral presentation on “Hyperglycemia causes cognitive dysfunction via impaired Heregulin-ErbB receptor subtypes in Hippocampus” at National Seminar on Advances in Biotechnology and Biomedical Research organized by school of life sciences, Central University of Gujarat, Gandhinagar, Gujarat on 17 March, 2018.
 27. Revathy Sudheer (M.Sc. Sem IV) presented a poster titled ‘Prevalence of Diabetes and its Associated Risk-factors in Bharuch and Narmada District of South Gujarat’ at National Seminar on Advances in Biotechnology and Biomedical Research organized by School of Life Sciences, Central University of Gujarat, Gandhinagar, Gujarat on 17 March, 2018.
 28. Ms. Priya Sharma (M.Sc. Sem IV) presented a poster titled ‘Prevalence of Diabetes and its Associated Risk-factors in Kutchh and Banaskantha districts of North Gujarat’ at National Seminar on Advances in Biotechnology and Biomedical Research organized by School of Life Sciences, Central University of Gujarat, Gandhinagar, Gujarat on 17 March, 2018.
 29. Ms. Dhristy Raval (M.Sc. Sem IV) presented a poster titled ‘Prevalence of Diabetes and its Associated Risk-factors in East Gujarat’ at National conference on new horizons in cancer biology” organized by Gujarat Cancer Research Institute, Ahmedabad, Gujarat during 16 -17 March, 2018.
 30. Mayank Maheshwari (M.Sc. Sem IV) presented a poster titled ‘Prevalence of Diabetes and its Associated Risk-factors in Surat and Valsad District of South Gujarat’ at National conference on

new horizons in cancer biology” organized by Gujarat Cancer Research Institute, Ahmedabad, Gujarat during 16 -17 March, 2018.

Value added courses

A course on “Introduction to Professional Ethics, Rights & Duties” is offered in Sem II which is compulsory for all the students.

Co-curricular activities organized

1. Svetal Shukla, ISNU Library, arranged Orientation of online resources of IS & IP Library with the collaboration of IPNU Library for both institute’s students.
2. Svetal Shukla, ISNU Library, arranged hands on training of “Zotero: A Reference Management Tool” for PhD students.
3. Svetal Shukla, ISNU Library, started “Samiksha: Thursday Books” a book review club with Dr. Sonal Bakshi as coordinator and library council member of ISNU. Till now three students have reviewed 4 books. Event was attended by interested faculty and student members, further participation is encouraged and planned by sharing a Google form.
4. As part of Swachhata Pakhawada celebration from 1-15 Sept, ISNU hosted Essay competition for NU students on the topic of “Innovative ways of spreading awareness for hygiene” in which 13 students participated out of 35 registered. The essays were evaluated by two judges from ITNU, first and second prize was won by students of ISNU, and third prize was won by a student of ITNU.
5. ISNU hosted testing for Thalassemia by the Red Cross Society of India on 5th October 2017, Thursday for M.Sc. students. The blood collection was done for all the students who were not tested earlier. ISNU team including Swetal Shukla, Rajendra Patel, Hasit Trivedi along with Dr. Sonal Bakshi organized the camp successfully.

Student Club in the Institute/ University Activities

Sport Activities

The Inter-Institute Sports Competition for Volleyball and throwing events was hosted by Institute of Science during Annual Sports Event Oct 10-12, 2017. Dr. Vijay Kothari and Dr. Sriram Seshadri coordinated various institute and inter-institute level sports events, with help of student volunteers and non-teaching staff. Majority of the students have participated in atleast one sports event. NIS girls team stood runner-up for the volleyball event. Janki Chezian stood second in the badminton competition, and the girls team won the Kho-Kho trophy.

Youth Welfare and Cultural activities

Renaissance - 2017

The Annual Cultural Festival of Institute of Science, RENAISSANCE- 2017 was held during 12-13th October, 2017 under the auspices of Board for Student’s Welfare, Nirma University. Prof. Sarat Dalai, Director of Institute, Smt. Annapurna Shukla, Chief coordinator, Students Welfare Activities Board, Dr. Ameer K Nair, Institute Coordinator, Students Activities and Dr. Nasreen Munshi and Dr. Kirti Verma, Co-Coordiators for Cultural Activities along with other faculty members, non-teaching staff, and students were present at the inaugural ceremony held on 12th October, 2017 at IPNU Seminar hall.

A total of 84 (72 girls and 12 Boys) from ISNU participated in Mime, Skit, Debate, Elocution, Collage, Spot Painting, Cartooning, Rangoli, Solo Dance, Group Dance, Solo song, Group Song. The Valedictory and Prize distribution function was conducted on 13th October 2017. Ms. Sheetal Macwana, Dr. Ameer K Nair, Shri Bhavesh Parekh, Chief Coordinator SWBNU, Prof. Shalini Rajkumar, Dr. Nasreen Munshi, Dr. Kirti Verma were present on the dais. The winners were awarded with trophies and/or certificates. There was active participation by the students from Institute of Science in these events and which won the appreciation of the judges.

RAMZAT 2017

The annual Ras-Garba programme- ‘RAMZAT’ was held on 7th October, 2017. Coordinators Dr. Ameer Nair and Dr. Nasreen Munshi along with non-teaching staff, Ms. Sweta Patel were the coordinators along with 2 students as volunteers for Marshall Committee. Institute of Science carried out the duties for Prasad Distribution. Total 78 students (61 girls and 17 boys) participated in the event.

Patriotic Song Competition

Two students from ISNU participated in University level Patriotic song competition - “Aazadi 70 – Yaad Karo Kurbanii” held as a part of Independence Day Celebration.

Teacher’s Day Celebration

Teacher’s Day was celebrated at the Institute on 5th September 2017 and organised by Student Association -INSSA. The day was celebrated with great enthusiasm by students and faculty ISNU. Students cut cake, gave mementoes to faculty and staff members. All faculty members were given a flowering pot to mark their appreciation. Students took class presentation in presence of their faculty members to commemorate the day.

Days Celebration By INSSA

The student association of ISNU celebrated the following week days like Twin Day, Be the change Day, Mis-match Day, Group Day, Traditional Day and Signature Day during March 12-17, 2018.

Photography Competition

The University level photography contest was held 20th January, 2017 at IANU. 11 students participated in the event. Institute of Science carried out the duty for certificate writing. The photographs of the winners and other selected photographs were displayed at K block on January 26, 2017.

Republic Day Celebration

Faculty and staff members along with students attended the University level Republic day function. Also exhibition of the photographs of winners and participants of University level Photography contest was done at the entrance of K block.

One Act Play Competition

Students participated in the One Act Play Competition held on 31 Jan, 2017 as a part of Republic Day Celebration of the University. 11 students participated and performed a play titled ‘The World on the other side of Umbilical Cord’.

No. of students who have cleared the competitive exams

ICMR-SRF: 1

Activities of Guidance & Counseling Unit

The guidance and counseling unit of the institute works throughout the year right from the first day the student joins in the Institute. The main activities has been in the areas of identification of weak students both academically and communication wise. These students are given special assistance by providing them with the baseline information, and handout so as to enable them to have their basic concepts strengthened. Remedial Classes are conducted and unit wise evaluation done to improve their writing and presentation skills. With respect to enhancing the communication skills the students are given the assignment of reproducing the content of any non-academic article in their own works and the same is evaluated by the respective counseling faculty. The students after 3-4 sessions have started showing considerable good results.

Placement Details

In the last academic year, 30 students have been placed in various organizations. Some more students are expected to be placed in coming days too. Many of the registered students are not interested in placements and they do not sit for interviews. Some of the companies that conducted interviews includes, Intas Biopharmaceuticals-Ahmedeabad, Akash Institute, Career Point, Amneal Pharma, Ishaan Biosciences, Intervein Labs, Zydus Research Centre, Contech BPO, Transasia Biomedical, Veeda Clinical Research, Cliantha Research etc.

Students have been trained on interview etiquette, resume writing, group discussion, making presentation, etc. They were mock interviewed once while they are in their final semester and feedback was shared with all the students.

Institute

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Outstanding Achievements and important activities

Award and Rankings

Awards

ILNU selected for IP Hall of the Fame-IP Institute of the Year

Institute of Law, Nirma University was selected as IP Campus of the Year (Legal) for its outstanding contribution in the field of Intellectual Property at the IP-Hall of Fame Honours, held on July 14, 2017 at Hyatt Regency, Ahmedabad. Prof Purvi Pokhariyal, Director, Institute of Law, Nirma University attended the function and received the honour on behalf of the Institute.

ILNU awarded India's Best Law Education Institute

Institute of Law, Nirma University received the 'Best Law Education Institute' under Goodwill Brands Awards in the category of best legal education in the country in a Symposium -Thought of Leadership Champions Change hosted by Herald Global. The event was organized by ERTC Media on July 19, 2017 at Hotel Sahara One in Mumbai.

Rankings

- IL-NU has been ranked as the **6th** Best Law College among the Private Law Colleges in India by The Week, June 2017.
- The Outlook Magazine has ranked IL-NU as the **11th** Best Law College among Government and Private Law Colleges in India, June 2017.

INSTITUTE ACTIVITIES

Annual Public Lecture

The 10th Annual Public Lecture of the Institute's Annual Public Lecture Series was organised by the Institute on March 19, 2018. **Shri Lalit Bhasin**, President, Bar Association of India & Society of Indian Law Firms, Delhi delivered the Public Lecture on the topic "Entry of foreign law firms in India: Issues and Challenges".

The Twenty-Third Convocation (April 20, 2017)

The 23rd Nirma University Convocation was held on the campus on Thursday, April 20, 2017. Law graduates from the batch 2012-2017, among other students, received degree on this occasion. Prof. Ved Prakash, Former Chairman, University Grants Commission, New Delhi was the Chief Guest of the Convocation. He awarded the medals to the meritorious students in various streams.

A total of 107 students of BA LLB (Hons), 65 students of BCom LLB (Hons) and 46 students of BBA LLB (Hons) received their degree at this Convocation. Parents and invited guests attended the Convocation.

Live Interactive Sessions with CLAT aspirants

The Institute organized live interactive sessions with the CLAT 2017 aspirants in different parts of the country. Dr. Sanjay Pandey, Assistant Professor, IL-NU interacted with the students on April 30, 2017 in Varanasi, U.P. Mr. Bishwa K. Dash, Assistant Professor, IL-NU interacted with the students on May 22, 2017 in Lucknow. In Patna, Prof. Nitesh Chaudhary, IL-NU interacted with the students on May 25, 2017. Dr. Rohit Moonka and Dr. Silky Mukherjee, Assistant Professors at IL-NU interacted with the CLAT 17 aspirants on May 28, 2017 in Ranchi. Mr. Bishwa K. Dash addressed the students in Kolkata on 4th June 2017. The Panel Discussion was followed by the Student Interaction session.

Open House Session on Career in Law

Institute of Law, Nirma University, organized an Open House Session on Career in Law for aspiring law students and their parents on April 17, 2017. The keynote speaker for the event was Mr. Mohit Mangal, Managing Director, iQue Ideas, Ahmedabad. Students and parents from different places attended the programme.

Orientation Programme at ILNU

ILNU organized a four-day Orientation Programme for the New Batch (2017) of the Five Year Integrated B.A. LL.B (Hons) and B.Com LL.B. (Hons) from July 10 to 13, 2017. The Chief Guest of the inaugural ceremony of the Orientation Programme organised on 10th July 2017 was Ms. Meenakshi Lekhi, Member of Parliament and Advocate-Supreme Court of India. Ms. Meenakshi oriented the students regarding law as one of the most promising career option.

Shri D.P. Chhaya, Director (Academic & General Administration), Nirma University was the Guest of Honour at the Inaugural ceremony and shared his views and expectation of the University with the students and parents. Shri K K Patel, Vice President, Nirma University presided over the function. Mr Arun Prasad, Assistant Professor, Institute of Law delivered the vote of thanks.

Foundation Day Celebration

On the occasion of the 10th Year of its establishment, ILNU celebrated its decennial journey on 19th August, 2017 by felicitating students and faculty for their achievements. The Foundation Day programme was graced by Shri Kamal Trivedi, Advocate General, Gujarat along with Dr. Anup K. Singh, Director General, Nirma University; Shri D.P. Chhaya, Director (Academic & General Administration), Nirma University. As a part of this celebration, the Quiz Committee, ILNU conducted the Foundation Day Quiz Competition on 18th August, 2017. The quiz was hosted by Mr. Piyush Swami (4th year). More than 30 teams participated in the event. Six teams qualified for the finals. After the completion of three rounds, the scores and respective ranking of the teams were released.

List of the first three teams:

- Vinit Kumar (4th year) and Dharmesh Khandelwal (4th year) – 1st Rank.
- Devesh Purohit (4th year) and Swarna Hardikar (4th year) – 2nd Rank.
- Shreyansh Bhansali (1st year) and Paridhi Rastogi (1st year) – 3rd Rank.

Annual Conclave Series – SERMON'17

Institute of Law, Nirma University, organized the Annual Conclave Series – SERMON '17. This conclave aimed to make the students aware of the policies, changing ways of practice and complexity of legal issues as well as to discuss different career options in the legal field.

The conclave witnessed legal luminaries such as Mr. Subhash Bhutoria (Head IPR & Litigation Practice at Krida Legal), Mr. Gopal Shankar Narayan (Advocate, Supreme Court of India), Mr. Anil Naswa (Vice President (Legal), Gift City), Mr. M.S. Bharath (Senior Partner, Anand and Anand), amongst others. The event took place on August, 4, 5, 11 & 12, 2017.

Global Deans Conference

ILNU in partnership with Symbiosis Law School, Pune organized International Association of Law School Global Law Deans' Forum and Annual Meeting from November 8-11, 2017 in Pune. The event was organized at Symbiosis Law School, Pune. Prof. Purvi Pokhariyal, Director and Dean, ILNU along with the faculty members namely, Dr Tarkesh Molia and Dr Bishwa Dash and students namely Aditya Sharma, Swarna Hardikar, Toshit Godara and Siddharth Chechani from ILNU attended the two days conference.

Pratinidhitva

ILNU organized its 2017 edition of Pratinidhitva, the Socio-Political Conclave of the Institute from 17th to 19th November, 2017. Pratinidhitva'17 is a three day event which provides the young minds a platform to discuss and learn about diplomacy, parliamentary procedure, and political demographics of country. The committees for this event included the Joint Parliamentary Seating, the Lok Sabha and the Gujarat State Legislative Assembly. The committees covered widespread agendas including the Muslim Women Bill, 2017 (Protection of Right to Divorce and Maintenance), review of the Panchayati Raj System and the reservation system in India.

Connaissance 8.0

The Institute conducted the 8th edition of its Annual Literary and Debating Fest (Connaissance 8.0) during 15th to 17th September, 2017, receiving participation from across the country. The Fest comprised of events like the National Parliamentary Debate, Youth Parliament, Murmuring Bones – A poetry evening, Slam Jar – A poetry workshop organized by Airplane Poetry Movement and Picture Patch – Digital Art Competition.

Workshops Organized

- A workshop on the 'IPR concerns for Patenting Pharmaceutical Products' was organized on 8th September, 2017. Dr. Kaushik Banerjee, Intellectual Property Management, Zydus Research Centre, Cadila Healthcare Ltd conducted the workshop and shared his experience and expertise on various contemporary issues of intellectual property regime for pharmaceutical industry.
- Mr. Sandeep Rathod, Assistant General Counsel (VP) - India & Emerging markets at Mylan Laboratories Limited, Hyderabad conducted a workshop on Intellectual Property Law, during 24th and 25th November 2017
- A One Day workshop on "Ethics and Political Philosophy" was organized on November 11, 2017. Prof. Raghuram Raju, Professor of Philosophy, NALSAR, Hyderabad conducted the workshop.
- A two-day workshop on "Career Development Training" was organized on 11th & 12th October, 2017 for helping the students in approaching their internships and in enhancing their career prospects. The workshop was conducted by Major General Nilendra Kumar, former Judge Advocate General of the Indian Army.

- A Workshop on “Constitutional Remedies- Writs U/A 32” was organized at the Institute on 2nd December 2017 as part of the course 'Constitutional Law I', for the students of semester III. The workshop was conducted by Mr. Asim Pandya, Sr. Advocate, High Court of Gujarat and President, GHCAA.
- The Institute, in collaboration with CADR, Mumbai, organized two workshops on Arbitration Training as a part of the clinical paper of ADR for the students of Semester VIII. The first workshop on Mediation Training was conducted from January 29 – 31, 2018. Mr. Firdoshali Kassam Karachiwala (Master Trainer, Supreme Court Committee on Mediation) conducted this workshop. The Second workshop on Arbitration Training was organized on March 8, 2018 in collaboration with Kove Global Law Firm, Chennai. Mr. Inbavijayan, Managing Director, Kove Global, a Senior International Arbitrator, Trainer & Advocate, Madras High Court conducted the workshop.
- A Workshop on Speech, Democracy and Liberalism was organized by ILNU on January 6, 9, 11 and 16, 2018. Prof. Raphael Cohen Almagor, Director MESH, School of Politics, University of Hull, and Professor and Chair in Politics, School of Politics, Philosophy and International Studies, University of Hull, UK conducted the workshop.
- A Workshop on Patent Drafting and Specification Drafting was organized by ILNU for Semester VIII during January 8 - 10, 2018 and March 16 - 17, 2018. Mr. Sandeep Rathod, Assistant General Counsel (VP) - India & Emerging markets at Mylan Laboratories Limited, Hyderabad conducted the workshop.
- As a part of the course on Justice: An Introduction, a two day workshop on Justice: Border, Frames and Negotiations was conducted during March 8 - 9, 2018. Prof. Lajwanti Chatani, Professor in Political Theory, Department of Political Science, M. S. University of Baroda, Vadodara conducted the workshop. The second year students of B.A., LLB (Hons.) programme benefitted from this workshop.
- A three-day clinical workshop on Campus to Court Room: Clinical Pedagogy for Practice Ready Professionals was organized from March 15 to 17, 2018. Ms. Jane Schukoske, Former CEO, S. M. Sehgal Foundation, New Delhi conducted the workshop. The workshop was conducted in order to develop skills among the students and to explore various tools, techniques and models to engage the students inside and outside the classrooms so as to learn through experience and develop a habit of reflection.
- A self-defense workshop was conducted for the staff members of Nirma University on February 06, 2018 at Yoga Hall, Nirma University. Judge Mel Flanagan Circuit Court Judge and Adjunct Professor University of Wisconsin, Milwaukee, USA conducted the workshop.
- The Institute organized a workshop on "Role of Youth in Nation building" on March 7, 2018. The main speakers of the event were Ms. Nithyasri Balakrishnan, Msc. Audiology Speech Language Pathology, Manipal University, Ms. Prarthana Kothi, B.E Mechanical Engineering PG Diploma in Youth Empowerment and Philosophy, Chinmaya University. About 63 students of NSS, ILNU participated in the workshop.

Parents Teacher Meeting

Parent Teacher Meet (PTM) was held at the Institute on 16th September, 2017. The faculty members of the respective area interacted with the parents. Feedback from the parents was received appreciating the efforts of the Institute to bring academic excellence. Suggestions were also received to help further development of the Institute.

DISTINGUISHED LECTURES

Name of Guest	Topic	Date of Event
Prof. N. L. Mitra Former Director, National law School of India, Bangalore and Founder Vice Chancellor, National Law University, Jodhpur	<i>Financial Market and Regulatory System (FMRS)</i>	1 st November 2017
Mr. Yaakov Finkelstein, Consul General, Consulate General of Israel	<i>Present and Future of Israel as well as Indo-Israel Relations.</i>	21 st November 2017
Mr Shimon Lev Historian, Author and Photographer	<i>Indian Freedom and Zionist Movements</i>	21 st November 2017
Hon'ble Justice C. K. Thakker. Former Justice, Supreme Court of India	<i>Delegated Legislation: Controls and Safeguards</i>	23 rd November, 2017
Mr. P. K. Saxena, Additional Chief Labor Commissioner, Ministry of Labor and Employment, Government of India.	Critical Issues in RTI	28 th November, 2017
Mr. Ripal Vyas CEO, Softweb Solutions, Chicago, USA	Futuristic Technology, its opportunities and deficiencies it might bring to the legal industry	5 th September, 2017
Mr Dhruv Suri Partner, PSA Legal	<ul style="list-style-type: none"> • <i>Cross-Border Merger and Acquisition in India</i> • <i>Deal Negotiation</i> 	31 st October, 2017
Prof. Victoria Shroff Adjunct Professor, Peter A. Allard School of Law, Vancouver, The University of British Columbia, Canada	Canadian perspective on Animal Rights	11 th January, 2018
Mr Salil Tripathi Contributing Editor, Mint and Caravan - Chair, PEN International's Writer in Prison Committee & Senior Advisor, Institute for Human Right and Business	Business and Human Rights: From Doing Good to doing right	18 th January, 2018
Prof. Subhash Chandra Raina Vice Chancellor, H.P. National Law University, Shimla	Criminal Law Amendment Act – 2013	20 th January, 2018
Ms Mel Flanagan Circuit Court Judge and Adjunct Professor University of Wisconsin, Milwaukee, USA	Implicit Bias	6 th February, 2018
Mr Adarsh Hathi, Partner, Hathi Law International Law Services, International Law and Litigation Consultant	Interactive Session on Legal Practice in the US	28 th February 2018

Expert/Guest Lecture

Name of Guest	Topic	Date of Event
Mr Devesh Bhatt Advocate High Court of Gujarat	Banking Law	16 th November 2017
Mr Paresh Jani Solicitor, Advocate & Mediator Jani & Co. Solicitors, Advocates & Mediator	RERA and Infrastructure	17 th November 2017
Mr. Nakul Sharedalal Senior Advocate Y. J. Trivedi & Associates, Ahmedabad	Shrujan 2k17- Celebrating Culture, Creativity and Heritage	18 th November 2017
Prof Balaji Ranganathan	Colonial legal system and continuation in post- independent India	25 th November 2017
Dr. Sudarshan Iyengar Former Vice Chancellor, Gujarat Vidyapeeth	Can Growth be Sustainable - Issues and Challenges	28 th November 2017
Prof. Ashok Patil, Professor (Dr.) Chair on Consume Law NLS Bangalore	Consumer Law	29 th January, 2018
Mr. Pranit Nanavati Advocate, High Court of Gujarat, Ahmedabad	Patent Drafting and Specification Drafting	2 nd February, 2018

Symposium

The Institute under the Centre for Law and Governance, organized a Symposium on Public Policy. Mr Prashant Narang and Ms Renu Pokhrana, from Centre for Civil Society, delivered the lecture on 29.11.2017.

Panel Discussion Contentious Issues under Companies Act, 2013: The Practice & Procedure

The Institute organized Expert Panel Discussion on “Contentious Issues under Companies Act, 2013: The Practice & Procedure” on 17th March 2018. Advocate Shri Saurabh N. Soparkar, Senior Advocate, Gujarat High Court, Advocate Pavan S. Godiawala, Advocate, Gujarat High Court, and Mr Nagesh Sood, Visiting Professor & Advocate, Gujarat High Court were the panelists and shared their experience and interacted with the students.

Obituary

Dr. Krishna Pal Malik, Associate Professor and Head Legal Aid Committee and Chairperson, Examination at the Institute passed away on April 8, 2017 due to multiple organ failure. The ILNU family paid tribute to Dr. Malik the senior most family member; a man with incredible patience and warmth, wisdom, unconditional love for teaching and taught, a man of integrity and honesty.

Dignitaries visited: 51

Sr. No.	Speaker	Designation
1	Prof. (Dr.) R. Venkata Rao	Vice Chancellor National Law School of India University, Bangalore
2	Dr. Lajwanti Chatani	Reader in Political Science, M.S. University, Vadodara
3	Prof (Dr.) Shamnad Basheer	Honorary Research Chair professor of IP Law, Nirma University Visiting Professor of Law, National Law School, Bangalore Founder: IDIA/SpicyIP/P-PIL
4	Prof. G. S. Bajpai	Professor, National Law University, Delhi
5	Mr. Rajiv Maheshwari	CEO, Anand & Anand, Noida
6	Prof. Rama Subramantan	Director and CEO, Valiant Technologies Pvt Ltd V-Tech), Chennai
7	Prof (Dr) B T Kaul	Professor of Law, University of Delhi, Delhi and Chairperson, Delhi Judicial Academy
8	Dr. Priyanka Sharma	Professor and PG Coordinator, Computer Engineering Department, Institute of Technology, Nirma University
9	Shri Gagan Sethi	Vice-Chair Person Centre for Social Justice, Ahmedabad
10	Prof Ajay Kumar Pandey	Associate Professor and Executive Director, Clinical Programmes Jindal Global Law School, Haryana
11	Dr. Asha Bajpai	Professor of Law, Centre for Law and Society, Education Founder Dean, School of Law, Tata Institute of Social Sciences, Mumbai
12	Prof. H. C. Dholakia	Former Dean, Faculty of Law, MS Uni. Baroda
13	Prof. Upendra Baxi	Professor Emeritus, Warwick Law School, UK
14	Prof. V. B. Coutinho	Vice Chancellor, Garden City Uni. Bangalore
15	Prof. S. C. Raina	Vice Chancellor, H. P. National Law Uni. Shimla
16	Prof. K I Vibhute	Dean, Rajiv School of Intellectual Property Law, IIT Kharagpur
17	Prof. M R K Prasad	Principal, V. M. Salgaocar College of Law, Goa
18	Dr Shamnad Basheer	Honorary Research Chair, Professor, IP Law, Nirma University
19	Prof. Jason Buhi	Professor, STL, Peking University, China
20	Prof. V. C. Vivekanandan	Director, School of Law, Bennett University
21	Dr. Usha Ramanathan	Senior Researcher, New Delhi
22	Dr. Raghuram Raju	Professor, Dept of Philosophy University of Hyderabad
23	Dr. Nalini Juneja	Head, Department of School & Non Formal Education, NUEPA, New Delhi
24	Mr. Asim Pandya	Senior Advocate, High Court of Gujarat
25	Ms. Shalin Mehta	Senior Advocate High court of Gujarat
26	Mr. Sumeet Malik	Director, EBC group of Companies
27	Prof. Jagruti Patel	Principal, VT Choksi Sarvajanik Law College, Surat

28	Ms. Nupur Sinha	Executive Director, Centre for Social Justice, Ahmedabad
29	Prof. Sujata Srivastava	Department of Education-CASE, M.S. University, Baroda
30	Dr. Saumya Uma	Ambedkar University, New Delhi
31	Dr. Gigimon V. S.	Registrar, Bar Council of Kerala M K Nambyar Academy for Continuing Legal Education, Kochi
32	Prof. N. L. Mitra	Former Director, National law School of India, Bangalore and Founder Vice Chancellor, National Law University, Jodhpur
33	Mr. Yaakov Finkelstein	Consul General, Consulate General of Israel
34	Mr Shimon Lev	Historian, Author and Photographer
35	Hon'ble Justice C. K. Thakker.	Former Justice, Supreme Court of India
36	Mr. P. K. Saxena,	Additional Chief Labor Commissioner, Ministry of Labor and Employment, Government of India.
37	Mr. Ripal Vyas	CEO, Softweb Solutions, Chicago, USA
38	Mr Dhruv Suri	Partner, PSA Legal
39	Mr Devesh Bhatt	Advocate
40	Mr Paresh Jani	Solicitor
41	Mr. Nakul Sheredalal	Senior Advocate, Y. J. Trivedi & Associates, Ahmedabad
42	Prof Balaji Ranganathan	Professor, Central University of Gujarat, Gandhinagar
43	Dr. Sudarshan Iyengar	Former Vice Chancellor, Gujarat Vidyapith
44	Prof. Victoria Shroff	Adjunct Professor, Peter A. Allard School of Law, Vancouver, The University of British Columbia, Canada
45	Mr Salil Tripathi	Contributing Editor, Mint and Caravan - Chair, PEN International's Writer in Prison Committee & Senior Advisor, Institute for Human Right and Business
46	Prof. Subhash Chandra Raina	Vice Chancellor, H.P. National Law University, Shimla
47	Ms Mel Flanagan	Circuit Court Judge and Adjunct Professor University of Wisconsin, Milwaukee, USA
48	Mr Adarsh Hathi	Partner, Hathi Law International Law Services, International Law and Litigation Consultant
49	Prof. Ashok Patil	Professor (Dr.) Chair on Consume Law NLS Bangalore
50	Commandant M. A. Aggarwal	Regional Recruitment Officer for Commander Coast Guard Region (NW)
51	Mr. Pranit Nanavati	Advocate, High Court of Gujarat, Ahmedabad

I- Curricular Aspects

- New courses being offered - **72**
- No. of courses where major revision is made - **09**

II- Teaching-Learning and Evaluation

Faculty completed/pursuing Ph.D

Mr Bishwa Dash was conferred the degree of Ph.D. from West Bengal National University of Judicial Sciences, Kolkata on 10th December 2017. His research topic was “Constitutional Governance of Common Property Resources: A Study of Odisha”

- Number of faculty development programmes availed by faculty - 22
- Number of faculty development programmes organized by the Institute - 2

Faculty Refresher Programme on How to build GEMS to Nurture CHAMPs (June 19 – July 04, 2017)

The Institute under the aegis of Academic Development Cell (ADR), Nirma University, organized a two-week long Faculty Refresher Programme (FRP) on How to build GEMS to Nurture CHAMPs [Creative, Holistic, Altruistic, Maverick, Problem-Solver]. The Programme was inaugurated by Prof Venkata Rao, Vice-Chancellor, National Law School of India University, Bangalore on June 19, 2017. Around 21 faculty members from the Institute of Law benefitted from this programme.

Four Week Faculty Induction Programme (May 29-June 23, 2017)

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

1. Dr Samiullah, Assistant Professor
2. Dr Sanjay Pandey, Assistant Professor
3. Dr. Krishna Mehta, Assistant Professor
4. Ms Anubhuti Dundung, Assistant Professor and
5. Ms Srishti Vaishnav, Assistant Professor

The Induction Programme was conducted in two phases i.e., the first phase from May 29 to June 23 and the second phase from June 19 to 23, 2017.

Invited/endowment lectures – 20

Non-Teaching Staff development

Mr Digant Rathod attended one day training programme of Digital Marketing at Ahmedabad Management Institute, Vastrapur on 25.11.17.

III.- Research, Consultancy and Extension

Research projects

a) Major Research Project funded by external agency during:

Financial Year	Ongoing	
	Number	Amount (in Lac)
2017-18	1	3.25
2016-17	1	3.25

b) Minor Research Project funded by Nirma University during:

Financial Year	Ongoing		Sanctioned	
	Number	Amount (in Lac)	Number	Amount (in Lac)
2017-18	4	3.70	1	0.90
2016-17	3	2.80	-	-

c) Minor Research Project funded by external agencies during:

Financial Year	Completed		Ongoing		Sanctioned	
	Number	Amount(in Lac)	Number	Amount (in Lac)	Number	Amount (in Lac)
2017-18	0	0	1	2.00	-	-
2016-17	4	3.85	0	0	1	2.00

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
2017-18	4	19084/-	1	7160/-
2016-17	0	0	0	0

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

Summary of Research Publications in financial year:

Financial Year	National Journal			International Journal		
	Number of paper published	Number of paper considered for calculation of average impact factor	Average impact factor	Number of paper published	Number of paper considered for calculation of average impact factor	Average impact factor
2017-18	1	-	-	04	2	1.73
2016-17	13	-	-	04	-	-

Details

International Journals

Sl. No.	Name of Faculty	Name of Refereed Journal	Title of the Paper	Year of Publication
1	Dr Madhuri Parikh	International Journal of Humanities and Social Science	Environmental Governance and the Role of Indian Supreme Court with special focus on the period from 18 to 1996: a Critical Analysis	July 2017

2	Mr Amit Kumar Kashyap	3rd International Conference on Law and Economics	International Taxation In Digital Economy: Law & Economic Implications	Nov 2017
3	Dr. Madhuri Parikh	International Journal of Creative Research Thoughts	Judicial Interpretation of Law of Public Nuisance for Environment Protection: A Critique	March 2018
4	Dr Varsha Ganguly	International Conference, Kathmandu, Nepal	Working with women farmers and issues of nutrition	July 2017

National journals – refereed papers

Sl. No.	Name of Faculty	Name of Refereed Journal	Title of the Paper	Year of Publication
1	Dr Pranav Saraswat	National Conference on Justice Education	Carbon Credit-Scope and Future Perspectives	Nov 2017

National Conference on Justice Education (NCJE)

The Institute of Law, Nirma University (ILNU) organized the National Conference on Justice Education (NCJE) on 10th & 11th November, 2017. The theme of the NCJE was ‘Developing New Perspectives on Law Reforms and Legal Education’.

The event saw a presentation of research papers on various sub-themes including Right to Identity vis-à-vis Right to Privacy, Insolvency and Bankruptcy Code, 2016, Tribalization and Justice System in India, Impact of Triple Talaq Judgment inter alia.

The event was presided over by various legal luminaries including Hon’ble Mr. Justice Mohan Pieris, Former Chief Justice and Attorney General of Sri Lanka, Prof. N. R. Madhava Menon, Hon. Director, M. K. Nambyar Academy for Continuing Legal Education, Kerala amongst others.

As part of the conference, a Round Table Conference was also held on 11th November 2017. The theme of the Conference was ‘Innovation in Legal Education and Pedagogy’. Prof. N. R. Madhava Menon chaired this Round Table discussion where in all the invited resource persons of the NCJE participated.

Meeting on National Policy on Legal Education

A meeting of the Vice Chancellors, Deans and Principals of law colleges from the West and Central Zone was held at the Institute of Law, Nirma University on 12th November 2017. The agenda of the meeting was to prepare a draft policy of legal education in India and to submit this policy paper for appropriate inclusion in the National Education Policy to be adopted by Government of India. The

meeting was chaired by Prof. N. R. Madhava Menon, Hon. Director, M. K. Nambyar Academy for Continuing Legal Education, Kerala.

University journal

Nirma University law Journal was published twice in a year.

Faculty Achievement

- Dr. Madhuri Parikh, Associate Professor, IL-NU received the Achiever's Award in the category instituted by CEE working for excellence in education in collaboration with ECONs Education. The award ceremony took place at the 5th Conclave on Excellence in Education in Delhi on 22 April, '17. The award was conferred on her by Dr. Jose Luis Alvarez Roset [a patron, Foundation for Vedic India and President of Foundation David Lynch, Latin America,] and Dr. Udit Raj [Member of Parliament, Lok sabha, Ex. IRS].
- Dr. Rohit Moonka, Assistant Professor, Institute of Law, Nirma University was selected for the prestigious The City of Hague Scholarship to attend the 2017 Session on Private International Law conducted by The Hague Academy of International Law (a constituent body of International Court of Justice), Peace Palace, The Hague, The Netherlands from July 31 - August 18, 2017. This scholarship worth 2200 Euro is granted based on academic rigour and research contributions, and covers the airfare, session fee and accommodation expenses.

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

Summary of Revenue Generated in:

Financial Year	Consultancy	Testing	Training	Other (Specify)
2017-18		26086		483642
2016-17		222519		-

Extension Activities/Community services by Institute/Department

- Legal Aid Committee, ILNU organized a legal awareness camp at Village Lilapur on 2nd September 2017 where ILNU students talked about Swachh Bharat Abhiyan to the Lilapur school students. They distributed snacks to the children. The legal awareness camp further went to the Lilapur's parent institute Environmental Sanitation Institute - (ESI), Sughadh, where 50 Anganwadi teachers were addressed. The members of the Legal Aid Committee performed a skit on "Protection against Domestic Violence" and explained the importance of the said law. About 30 students participated in this legal awareness camp. At this juncture, the legal aid committee also remembered the founder chairperson Late Dr. K. P. Malik who used to motivate the students for empowering weaker sections of society through compassion.
- NSS Unit of ILNU organized the "**Swachchhata Pakhwara**" at Jamiyatpura on 2nd September, 2017 where the students of ILNU helmed the responsibility of cleaning the village. The students painted the walls and wrote slogans, sensitized and convinced the villagers door to door about the need for cleanliness. They also cleaned the Primary School and Gram Panchayat assembly area. They discussed caste geopolitics with the Village Council, and the ways NSS could assist the Council.

- **Legal Awareness Camp** - A legal awareness camp was organized at Jamiyatpura village, Gandhinagar on February 04, 2018 by the members of Legal Aid Clinic, Institute of Law, Nirma University (ILNU). A well-rehearsed and well-executed skit was performed by the students to explain several rights available to labourers and women under various Indian Laws to around 30 residents of the village. They were also encouraged to approach the consultation panel of the legal aid committee for their legal queries and issues. The attendees showed great enthusiasm and response.
- **Legal Literacy Camp at Jamiyatpura Village** - Legal Aid Clinic, Institute of Law, Nirma University organized a Legal Literacy Camp at Jamiyatpura Village, Gandhinagar on March 15, 2018. Mr. Sudhir Desai, Paralegal Volunteer from Gandhinagar District Legal Service Authority delivered the speech on the topic of Women Empowerment and Free Legal Aid. The objective was to deliver the message that law is for the sufferer and the aggrieved irrespective of the gender. Thus, the message was delivered in a way that the power or the rights inferred should not be in any way used for personal gains discarding the soul of natural justice.
- Legal Aid Clinic, Institute of Law organized "Chalchitra" National Socio-Legal Film Making Competition, 2018. The best films were awarded prize money.
- **Blood Donation Camp** - NSS Unit of ILNU organized a blood donation camp in collaboration with Indian Red Cross Society on January 23, 2018. About 50 units of blood was donated by volunteers and students.
- **Free Eye Check-up camp** - The volunteers of NSS Unit-Institute of Law, Nirma University, Ahmedabad conducted a free Eye Check-up camp in collaboration with Civil Hospital, Gandhinagar at Jamiyatpura Village on March 31, 2018. About 110 residents took part in eye check-up camp. Out of which 16 people have been marked, who were having BPL cards, would be provided with spectacles free of cost. The students also distributed 80 earthen pots for birds and animals that can be used especially during summers.
- **Workshop on State NSS Cell** -Volunteers from Nirma University, Ahmedabad participated in Mock Parliament organised by State NSS Cell, Department of Higher Education, Government of Gujarat and NSS Regional Directorate, Ministry of Sports and Youth Affairs, Government of India at Knowledge Consortium of Gujarat, Ahmedabad on January 27-28, 2018. Volunteers were trained regarding the procedures of Parliament. In the Mock Parliament, a proposal was passed with respect to conducting the Mock Parliament at respective university. On January 27, 2018, a workshop regarding parliamentary procedures was conducted and on January 28, 2018 a mock parliament was conducted which was live telecasted by Doordarshan. Nirma University was represented by a team led by Hritwick Purwar, Incharge NSS Unit ILNU; Aishwariya Gupta(ILNU); Nikhar Hirapara (ITNU); Hardik Vaniya (ITNU); Udit Vaghela (ITNU).
- **Girl Child Awareness camp at Jamiyatpura** - Aspiring to contribute to the social literacy of needy and poor through its awareness initiatives, the National Service Scheme (NSS) unit of

Institute of Law, Nirma University (ILNU), held rally and drama on girl child awareness in Jamiyatpura village, Gandhinagar on February 24, 2018. They were also encouraged to approach the consultation panel of the NSS unit for their social issues. Dr. AMD Shamiulla, faculty coordinator, NSS, ILNU, with guest Rafiza, principal of Gaytri Mandir School, guided and supervised the initiative taken by the students and also advised the villagers to be more motivated towards girl education.

- **Awareness regarding Female Menstrual Hygien** - As a part of intervention in Jamiyatpura Village, NSS Unit of ILNU distributed sanitary pads among village women and tried to create awareness about how to use it and what are the consequences of using unhygienic means. At various instances, more than 250 packs of Sanitary Pads were distributed in the village.
- **Thalassemia check-up camp** - Thalassemia check-up camp was conducted on February 04, 2018 in Jamiyatpura Village, Gandhinagar, with support of students run NGO F.A.I.T.H. and in collaboration with Indian Red Cross Society. Volunteers from National Service Scheme-ILNU volunteered in the event. Approximately 100 residents from the village took part in the check-up.
- **NSS Residential Camp at Jamiyatpura** - NSS Unit of Institute of Law, Nirma University conducted a 7 day residential camp in its adopted village Jamiyatpura - 'Anubhooti' which implies 'realisation' from 10th March, 2018 to 16th March, 2018. To experience and realize the problems being faced by those residing in rural areas of Gujarat State. A total of 18 students were part of the 7 day camp. Various social welfare activities were conducted in these seven days. The day used to start with 'Shramdaan' conducted daily for two hours in the morning. Volunteers used to create awareness among the residents regarding Swachh Bharat mission, construction of toilets, cleaning roads and surrounding areas, throwing garbage in the dustbins and keeping the surroundings clean. Meetings of residents with the representatives of village panchayat was conducted in the evenings to raise the issues of the village and come to possible solutions for such issues. Various planning and discussion sessions were part of the day in which issues of rural India were discussed and reflection was made on what was done and what remains to be done. In the free time, volunteers used to teach children of Jamiyatpura village by interactive learning methods. A session was conducted in the village in collaboration with District Legal Services Authority on the topics 'Women Empowerment' 'Labour Laws', etc. Session was conducted by Mr. Sudhir Desai. It was graced by presence of Jane Schukoske, Advisor S. M. Sehgal Foundation; Director & Dean, ILNU Prof. (Dr.) Purvi Pokhariyal, Dr. Tarkesh Molia, Academic Co-Ordinator, Mr. Nitesh Choudhary, Mr. Raj Mehta, Faculty Coordinator - Legal Aid Committee ILNU, and the Programme Officer for NSS, Dr. A. Md. Shamiulla.

On the last night of the camp, 'Bhajan Sandhya' was organised with support of Bhajan Mandli of the village. Entire village participated in the event which had a footfall of more than 150 residents. Aadhar registration camp was also organised. More than 50 residents registered for new Aadhar card and around 16 residents registered for corrections.

The learning experience by the volunteers in the camp would help them grow with a new outlook of rural India. Such camps need to be conducted from time to time so that students could gain a practical learning experience which could never be learned within the four walls of classroom.

- **Sabarmati Jail visit:** A Legal aid awareness camp was organized on 27th November 2017 at Sabarmati Jail on the rights of prisoners including parole and bail provision were conveyed to the prisoners through a skit.

Legal Aid Clinic has consulted 36 under trial prisoners in last three months

IV. Infrastructure and Learning Resources

Library - learning resources added

NUMBER OF BOOK FOR TECHNICAL SUBJECTS DURING THE YEAR 2017-2018			
No. of Titles & Volumes Added During the Year 2017-2018		Total No. of Titles & Volumes as on 31/03/2018	
Title	Volumes	Title	Volumes
273	333	7416	9369

NUMBER OF BOOK FOR SCIENCE & HUMANITIES DURING THE YEAR 2017-2018			
No. of Titles & Volumes Added During the Year 2017-2018		Total No. of Titles & Volumes as on 31/03/2018	
Title	Volumes	Title	Volumes
146	149	2028	2425

NO. OF PERIODICALS JOURNALS INCLUDING E-JOURNALS DURING THE YEAR 2017-2018	
Added during the year 2017-2018	Total as on 2017-2018
2 Print	81 Print + 2364 Online
OTHER MATERIAL WHICH INCLUDES SOFTWARE ICDS ICASSETIES OTHER AUDIO-VISUAL MATERIALS	
Added during the year 2017-2018	Total as on 31/03/2018
37	446

V. Student Support and Progression

Cut-off percentage marks – category wise

General Category: 95.25 Marks (CLAT Rank 3316)
 NRI Sponsored Category: 68.50 Marks (CLAT Rank 12273)

Student achievements

Moot Court Achievement

Team	Moot/ Allotted	Members	Result
1	Surana and Surana Corporate	1. Mayur Jugtawat 2. Gaurav Maharshi 3. Nishi Agrawal	Winner Best Speaker 4th Best Memorial
2	Justa Causa Moot Court Competition	1. Saloni Modi 2. Soham Gurjar 3. Ekta Jhanjhari	Winners
3	Nani Palkhiwala Taxation Moot	1. Jaya Singh 2. Rishabh Rela 3. Piyush Swami	Winners 2nd Best Speaker
4	GH Raisonni Moot	1. Anjali Upadhyay 2. Sakshi Pawar 3. Divyam Jhaveri	Winner Best Speaker Best Researcher
5	Amity International	1. Divyang Bhatia 2. Sourabh Pancholi 3. Ojasvi Sharma	Winner Best Speaker
6	GLC Trivendram Moot Court Competition	1. Trisha Bhushan 2. Disha Gupta 3. Mansi Singh	Winner Best Memorial
7	Henry Dunant Moot	1. Ravleen Chabbra 2. Priya Khemchandani 3. Shresth Vardhan	<ul style="list-style-type: none"> • Winners: National • Winners South Asian Regional rounds • Quarter finalist: World Rounds
8	NUSRL Mock	1. Virendre Singh Ranawat 2. Mani Shankar 3. Anjali	Runners up Best Researcher
9	Manfred Lach Space Moot Court Competition	1. Siddharth Chechani 2. Nitya Jain 3. Ridhvick Dosi	Runners-Up (Funding Round) Intl. Round:- Didn't Break In
10	KG Shah Law College Moot	1. Malika Tiwari 2. Navya Singh 3. Kulsoom Farhat Khan	Semi-finalist, Best Runner up Mooter and Best Researcher
11	B. R. Swahney Moot Court Competition	1. Shrivalli Kajaria 2. Praful Dwivedi 3. Ritisha Mukherjee	Semi Finals Best Speaker

12	ULC Bangalore	1. Diksha Sharma 2. Adimesh Lochan 3. Mukund Rawat	Semi Finalist
13	UILS KTS Tulsi Mock	1. Mani Shankar 2. Virendre Singh Ranawat 3. Nitesh Bhandari 4. Vineet Jha	Semi Finalist
14	NLUJ-Antitrust Moot Court Competition	1. Ishan Arora 2. Faiz Siddique 3. Sumit Singh Bhadauriya	Quarter Finalists
15	NLIU Tankha International	1. Kinjal Goyal 2. Dharmesh Khandelwal 3. Maitrii Dani	Quarter Finalists Joint Best Speakers
16	Leiden Sarin Air and Space Moot	1. Aditya Sharma 2. Ruchi Saxena 3. Shubham Kr. Sharma	Quarter Finalists
17	RMLNLU Media Moot- SCC Online	1. Deepakshi Garg 2. Runjhun pare 3. Rachna Mishra	Quarter Finalists
18	NUJS Herbert Smith	1. Sakshi Singh 2. Harshil Goda 3. Renuka Jain	Quarter Finalists
19	SAARC Moot Court Competition	1. Somdev Tiwari 2. Mahi Vyas 3. Binayak Subudhi	Qualified for International Round Intl. Round- Quarters
20	ICC Trial Moot Court Competition	1. Bhavna Sewani 2. Devashish Trivedi 3. Aditi Bhardwaj 4. Vatsalya Vishal	Quarter Finalists
21	GLC Ernakulam Moot Court Competition	1. Preeti Arora 2. Kriti Kothari 3. Vishakha Sharma	Quarter Finalists Best Speaker 2nd Best Speaker
22	GNLU International Moot Court Competition	1. Kunal Chopra 2. Ritumukesh Mishra 3. Udit Rao	Quarter Finalists
23	S.P. Sathe Moot Court Competition	1. Anuj Mishra 2. Srejal Mishra 3. Ojuswi Sharma	Quarters Best Speaker 2nd Best Speaker
24	P.N. Bhagavati Moot Court Competition	1. Parkhi Saxena 2. Priyal Sharma 3. Unnati Deva	Quarter Finals 2nd Best Memorial
25	Paras Diwan	1. Mohak Tripathi 2. Yash Shukla	Quarter Finals

26	DSNLU-CCI	1. Abhishek Tripathi 2. Kaivalya Shah 3. Srishti Sharma	Quarter Finals
27	Stetsons Moot	<ul style="list-style-type: none"> • <u>National Rounds</u> 1. Rhea Sevak 2. Shivranjani Verma 3. Sahil Jain 4. Hardik Gautam • <u>International Rounds</u> 1. Rhea Sevak 2. Shivranjani Verma 3. Sahil Jain 	<ul style="list-style-type: none"> • Qualified for National Rounds. • In top 16 teams in International rounds
28	Christ Mock	1. Ankitashri 2. Harsh Yadav 3. Rhea	Quarter finalist
29	NUSRL Mock	1. Sneha Sharma 2. Harsh Kamdar 3. Mohith S Kumar	Quarter Finalist Best Student Advocate and Best Memorial
30	Sybmiosis Mock	1. Basanth Raj 2. Nandini Sharma 3. Shrivalli Kajaria	Best memorial

Debate

- A team comprising of Manvi Damle (5th year) and Toshit Godara (3rd year) were declared runners up/finalist in the debate held at IIM Indore. Devashish Trivedi (3rd year) was declared the second best adjudicator. The event was held during 8-10 September 2017.
- Aditya Kavia, alumni of ILNU and Vasundhara Kanoria of Semester IX were declared as winners of BITS Pilani, Goa British Parliamentary Debate Competition. Vasundhara was declared as the Best Speaker of the Finals and Aditya Kavia was declared as Best Speaker of the Tournament held during 27-29 October 2017.
- A team comprising of Toshit Godara (3rd Year) and Subham Borah (2nd Year) were declared pre-semifinalist in the GNLU debate, held during 25-27 August 2017.
- Devashish Trivedi broke as an adjudicator in the Jindal Debate held during 13-15 October 2017.

Other Achievements

- Rajvardhan Singh Raghuvanshi (2nd year) stood Semi-Finalist in the event of Badminton in Aswamegh Ramotsav 2017 organized by Kreedha Bharti on 27th August 2017.
- A team comprising of Adimesh Lochan, (3rd year) Nishi Agrawal (3rd year) and Atharv Arya (3rd year) were declared winners in the Idea Lab Competition 2017: A Road Map towards Legal Incubation, organized by Idea Lab, ILNU in March 2017.

- Vedansh Sharma (5th year) was awarded Best Delegate Award at BESC Assembly of Nations, a Model United Nations conference held in Kolkata from 8th September to 10th September 2017.

No. of Co-curricular activities organised – 45

Student Clubs in the Institutes–24 Students club (41 activities)

Sports activities – 18

Performance in Sport activities

- Vishal Marakana won silver medal in 1500 mtr race held at NLIU Bhopal.
- The team of Shantanu Gupta, Mohit Agarwal, Manav Patel and Vishal Marakana bagged silver medal in 4*100 mtr race at Virudhaka, NLIU Bhopal held from 12th-15th October, 2017.
- Farnaz Homiyar Vakil, a first year student won bronze medal at 27th All India G. V. Mavlankar Shooting Championship (Shotgun) held in Patiala from 21st - 26th September, 2017.

Youth welfare and cultural activities – 1

Alumni Association Activities supporting students

1. Act as an expert in conducting internship viva
2. Act as Judge in Parliamentary Debate
3. Invited as Visiting Faculty
4. Act as a moot court mentor
5. Act as a IQAC mentor
6. Invited as BoS member
7. Alumni expert lecture series

Placement services

The 7th Batch of the Institute of Law, Nirma University, graduated in April 2018 which had a strength of 214 students out of which 128 had opted for Placements. The participation was found to be very encouraging from various corporate bodies which primarily comprised of law firms, private companies, limited liability partnerships as well as public sector undertakings. Students were highly motivated and excited about their future endeavours which was observed from their active participation in Placement process and training activities during their last year at the institute. The illustrative list of the organizations who participated in this year's recruitment programme includes firms from Gujarat as well as places such as New Delhi, Bangalore, Mumbai, Ahmedabad, Hyderabad etc. The Placement of Batch 2018 saw a growth in the number of students opting for placements as well as the students being offered PPO's. The students in their last year took part in the soft-skills training and other recruitment relating training that was designed and being delivered by the Institute for grooming them to face the various stages of recruitment process.

Institute
of
Architecture & Planning

Institute of Architecture & Planning

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Highlights of the Institute

Institute of Architecture & Planning (IAPNU) focuses on students learning through outcome based education approach (OBE). The Institute through its curriculum design and clearly articulated learning outcomes ensures that students learn by constructing knowledge rather than by receiving knowledge from others. This constructivist approach requires new techniques for assessing students' learning that includes assessment as an integral part of teaching. Through the formative, and summative assessment, one is ensuring that the students following the Outcome Based Education principles learn required knowledge and skill for the profession. So with OBE approach, clarity is given regarding the subject matter that students are required to learn, curriculum is organized and finally instructions and assessment are designed to ensure that learning ultimately happens. Assessment Rubrics and Matrices of assurance of learning help to map the outcomes of the learning process.

Institute of Architecture & Planning has emerged as one of the top three most preferred Institutes in the field of Architecture and Planning in the state of Gujarat.

Two MOU's have been signed by the Institute with INI Design Studio, Ahmedabad, and Escola Da Cidade, Brazil.

The Institute hosted the international workshop called "flying classroom" (LC: SP + IN: CH VI) of International Summer school 2017 involving the following schools: HTWG Constance; Escola da Cidade in Sao Paulo; CCA - Chandigarh College of Architecture; CMR University, Bangalore; Pearl Academy, Jaipur and JAAGA, DNA.

The workshop was conducted from 30-07-17 till 26-08-17. They visited various places in India out of which IAPNU hosted them from the 09-08-17 to 14-08-17.

Myriam Gautchim, the Head of the Faculty Architecture and Design at HTWG Konstanz and Juerg Gunder, from IN: CH academy conducted the workshop.

IAPNU has partnered with Gujarat Institute for Civil Engineers and Architects (GICEA) and Gujarat Chapter of Institute of Town Planners India (ITPI) for organizing Public lecture series on topic related to "Learning from the New Cities" wherein cases from national and international levels were presented by eminent academicians, researchers and practitioners.

Bonjour India - Under the Future Tour, the Knowledge Summit (Smart Cities: Urban Planning, Architecture and Design) the first high level Indo- French Summit on Higher Education and Research conference was held at IAPNU on 24th and 25th February, 2018. Several round tables and discussions were held to make recommendations and lay the roadmap for Indo-French collaboration. It was followed up in New Delhi with a symposium organized by the Ministry of Human Resource, Government of India and French Embassy in New Delhi. Prof. Utpal Sharma made presentation on 'Development of Smart Cities in India'.

KALP – The annual technical and cultural festival was organized in the institute from 19-24 February 2018. The event is an amalgamation of applied learning through relevant co-curricular and extra-curricular activities.

IAPNU celebrated the “World Habitat Day” on October 3, 2017, “International Day for Disaster Risk Reduction” on October 10, 2017 and “International Women’s Day” on March 8, 2018.

Prof. Utpal Sharma presented a paper titled “Revitalization of Public Spaces for Better Quality of Life: A case of Historic City of Jaipur” at the 6th Annual International Conference on Architecture and Civil Engineering (ACE) held on 14th and 15th May 2018 in Singapore.

The institute has partnered with Gujarat Institute for Civil Engineers and Architects (GICEA) and Gujarat Chapter of Institute of Town Planners, India (ITPI) for organizing Public lecture series ‘Learning from New Cities’ presenting cases from national and international levels by eminent academicians, researchers and practitioners.

Professor Somanath Sen from IIT Kharagpur delivered lecture on the contribution of Otto Kohenisburger Case study of Bhubaneshwar in which eminent academicians, researchers and practitioners participated.

As part of Kankaria Carnival Revitalization of Old Cities Prof. Utpal Sharma delivered a lecture ‘Learning from Heritage Cities’ on 26.12.2017. Prof. Utpal Sharma has become Regional Housing Expert, UN Habitat, Myanmar (White Paper on National Housing Policy for Myanmar). He has also attended the International Conference- 19th Arcasia Forum, Jaipur as a Keynote Speaker.

Professional practice, Office/field training Environmental science, sustainability, RSP/ Electives/ Communication skills which are offered to the students not only strengthen the knowledge base but also helps in overall development of capacity building. The Related Study Programme (RSP) has been introduced as a part of core course. RSP has been a unique and highly beneficial programme for students, institutes and society at large.

The institute strongly believes in ensuring overall development of students. The students are considered as active partners in managing the Institute in its activities viz. conferences, training programmes, guest lectures, seminars, cultural programmes. In order to facilitate this, there are a number of student committees and clubs at the Institute. These activities are comprised of and managed by students. Faculty coordinators are assigned to each club and committee with an objective to channelize and explore the hidden potential among the students. This culture inculcates the spirit of independence and leadership in the students.

Dignitaries visited:

Renowned Architect Padmashri B V Doshi along with Dr Anup Singh (Director General, Nirma University), Shri Mukesh Kumar (Municipal Commissioner, AMC, Ahmedabad) and Mr Yves Perrin, Consul General of France in Mumbai inaugurated the Bonjour India – The Future tour (Smart Cities: Urban Planning, Architecture and Design) program at IAPNU.

Prof. Helen Lochhead, Dean of the Built Environment at the University of New South Wales (UNSW), Australia, visited and delivered a lecture on 21st April, 2017.

ITPI inspected the institute and gave approval for the B. Planning programme for five years.

Dignitaries visited:

Date	Title	Speaker	Venue
5th Aug 2017	“Learning from New Cities” ; Koenigsberger’s Plan of Bhubaneshwar	Prof. Somnath Sen	AMA Auditorium, Ahmedabad
28th Aug 2017	Architecture Sub-limen	Prof. Giovanni Leone, Professor ,University of Venice, Italy	IAPNU
31st Aug 2017	Interactive design	Ar. Shujoy Chakraborty, Practicing Architect	IAPNU
Sep 2017	Vidyadharnagar’s planning	Shri A K Gupta, Retired Chief Town Planner, Rajasthan	Aayojan School, Jaipur
7th Sept 2017	Some Question for Architects Today	Ar. Riyaz Tayyibiji, Practicing Architect	IAPNU
14th Sep 2017	Role of Crafts and Heritage in Interior Architecture	Ar. Jay Thakker, Design Innovation and Craft Resource Centre(DICRC),CEPT University	IAPNU
2nd Oct 2017	World Heritage City Ahmedabad , on World Habitat Day	Prof. R. Vasavada	IAPNU
26th Dec 2017	On prevalent health issues in rural areas	Dr. Pravin Bagul, Chief Medical Superintendent	Rural Hospital , Murud-Janjira
Jan, 2018	Rural development in Kachchh	Mr. Binoy Acharya, Director of UNNATI organization	IAPNU
9th Feb 2018	Plate Politics / Power of your Food Choices	Prof. Purvi Vyas, An Organic Farmer, Professor and Environment Consultant	IAPNU

I- Curricular Aspects:

- New courses being offered – Even 2017, Odd 2017, even 2018
- Sem II B. Plan : Visual Communication and computer Application
- Sem III B. Plan: Planning Theory I, Introduction to Housing, Surveying and Introduction to GIS, Building Materials and Introduction to Structures, Environmental Design, Neighbourhood/Area Planning Lab, Social Work
- Sem IV B. Plan: Planning Theory-II, Infrastructure Planning I, GIS and Remote Sensing, Land Economics, Transportation Planning, Infrastructure Planning Lab, Related Study Programme
- Sem IV B. Plan: Research Methodology, Demography and Urbanisation
- Sem VII B. Arch: Urban Context Studio, Research Seminar, Introduction to Urban Planning, Related study Programme
- Sem VIII B. Arch: Office/field Training
- Sem IV: B. Arch: Surveying and Leveling

New Interdisciplinary courses

- GIS and Remote Sensing is being offered as a university elective.

Courses where major revision is made

B. Arch: History and Theory V (offered in Semester VI; History & Theory III (offered in Semester III), Building Construction Technology III (offered in Semester III).

Any other Initiative/Innovation in curricular design

- Multidisciplinary approach to curriculum design
- Integration of all creative, technical, skill-based and humanities fields
- Curriculum designed to train students for modern-day architectural practice
- Hands-on approach to teaching
- Healthy mix of Interactive studio-based learning , theory based lectures and skill building workshops
- Architectural studio is the main subject with more credits and weekly hours, other subjects play a supporting role and exercises designed for other courses are related to the studio theme.
- Exposure to allied fields of architecture like urban design, planning, landscape design, etc to introduce students to fields for pursuing post-graduate studies
- Horizontal (in the same semester) and vertical (in previous and following semesters) integration of subjects through the semesters

II- Teaching-Learning and Evaluation

Faculty completed/pursuing PhD

- Prof. Aparna was awarded PhD degree.
- 5 faculty members are pursuing Ph.D. Programme, namely Prof. Vibha Gajjar, Prof. Pratima Singh, Prof. Dhaval Chauhan, Prof. Bulbul Shuka and Prof. Rahul Shukla.

Innovation in Teaching - learning & evaluation

The Architectural Design Studio mimics the actual scenario of handling a project as experienced by an Architect in the field. It synthesizes different areas of philosophy, art, science, technology, sociology, etc. to generate environmental design in projects like residence, housing, commercial, institutional, etc. As a student enters senior semesters, the complexity and scale of projects increases. Basic Design introduces students to basic principles and components of design. It incorporates know-how from areas such as art and craft, visual perception, cognition, learning by doing, hands-on training, etc.

Workshop based hands-on working with materials, machines and processes introduces students to design execution methods and the physical attributes of design.

Office-training semester exposes students to actual working of an architect's office as students work in architectural firms across the country for a stipulated time period.

Traveling and documentation work is intrinsic to architectural education. Students get to see and learn from heritage buildings, historic cities, contemporary buildings, etc.

Activities to sustain healthy practices

IAPNU has structured mentoring system whereby each student is allotted faculty member for continuous monitoring for the progress of academic performance as well as overall development to face the professional field.

Number of faculty development programmes availed by faculty

Following Faculty members completed the research training programme in May-August 2017:
Prof. Pratima Singh, Prof. Dhaval Chauhan, Prof. Sharad Panchal, Prof. Jitesh Mewada and Prof. Purvi Jadav.

Following Faculty members successfully completed the 4 week Induction Programme in May-June 2017:

Prof. Aprana, Prof. Bulbul Shukla

Invited/endowment lectures

Date	Programme	Speaker	Venue
5th Aug 2017	"Learning from New Cities" ; Koenigsberger's Plan of Bhubaneswar	Prof. Somnath Sen	AMA Auditorium, Ahmedabad
28th Aug 2017	Architecture Sub-limen	Prof. Giovanni Leone, Professor ,University of Venice, Italy	IAPNU
31st Aug 2017	Interactive design	Ar. Shujoy Chakraborty, Practicing Architect	IAPNU
Sep 2017	Vidyadharnagar's planning	Shri A K Gupta, Retired Chief Town Planner, Rajasthan	Aayojan School, Jaipur

7th Sept 2017	Some Question for Architects Today	Ar. Riyaz Tayyibiji, Practicing Architect	IAPNU
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2nd Oct 2017	World Heritage City Ahmedabad, on World Habitat Day	Prof. R. Vasavada	IAPNU
26th Dec 2017	Prevalent health issues in rural areas	Dr. Pravin Bagul, Chief Medical Superintendent	Rural Hospital , Murud-Janjira
Jan, 2018	Rural development in Kutch	Mr. Binoy Acharya, Director of UNNATI organization	IAPNU
9th Feb 2018	Plate Politics / Power of your Food Choices	Prof. Purvi Vyas, An Organic Farmer, Professor and Environment Consultant	IAPNU
13th April 2018	Design for Life where Life is in Association with the Environment & its Elements	Ar. Jayesh Hariyani, Eminent Architect, INI Design Studio	IAPNU

III. - Research, Consultancy and Extension

Research projects

a) Major Research Project funded by external agency during:

Financial Year	Sanctioned	
	Number	Amount in Lac
2017-18	1	10.592
2016-17	-	-

b) Minor Research Project funded by Nirma University during:

Financial Year	Completed	
	Number	Amount in Lac
2017-18	-	-
2016-17	1	1.00

c) Minor Research Project funded by external agencies during:

Financial Year	Sanctioned	
	Number	Amount in Lac
2017-18	1	Rs.1.05 lakhs
2016-17	-	-

Details

Newly sanctioned minor Research Project

Sr. No.	Project Title	Project Investigator	Funding Agency	Grant (in Lac)
1	Impact of industrialization, mining, urbanization on biodiversity in select blocks of Gujarat	Prof. Pratima Singh	Gujarat Ecology Commission, Government of Gujarat, through Raman Development	1.05

Ongoing Major Research Project

Sr. No.	Project Title	Project Investigator	Funding Agency	Grant (in Lac)
1	Residential Building Energy Demand Reduction in India (RESIDE)	Prof. Utpal Sharma	Department of Science and Technology	10.592

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
2017-18	2	Rs. 24637/-	4	34248/-
2016-17	-	-	-	-

New Research Projects (Externally funded/University funded): 1 (Major) and 1 (Minor).

Ongoing Research Projects: 2

Research Projects Completed: 1

Publication by Institute – 1 Newsletter

Summary

Research Publications in financial year:

Financial Year	National Journal			International Journal		
	Number of paper published	Number of paper considered for calculation of average impact factor	Average impact factor	Number of paper published	Number of paper considered for calculation of average impact factor	Average impact factor
2017-18				-	-	
2016-17				4	3	

Faculty Members as Key note speakers and Paper presented at International conference, National Conference/Seminar including abstracts:

- i) Prof. Utpal Sharma was the Keynote Speaker at the International Conference- 19th Arcasia Forum, during May 2017 at Jaipur.
- ii) Prof. Utpal Sharma, presented two papers “Integrated Master Plan for Eco-Sensitive Zone of Dandi (Gujarat, India) and “Informal City-A Case of Ulhasnagar, Mumbai” at the 14th International Congress of Asian Planning School Association 2017 Asia : Reshaping Urban & Rural Development through Planning in October 2017 at Beijing, China.
- iii) Prof. Shweta Suhane presented a paper “Urban Forestry in India: The radical plan to enhance tree cover at national level” at the International Conference 2017 IFLA Asia Pacific Region, in in November 2017 at Bangkok, Thailand.
- iv) Prof. Utpal Sharma was the key note speaker and presented a paper "Evolving Humane Habitats in Rural, Urban and Regional Context" at the 20th International conference on Humane Habitat organised by International Association for Humane Habitat during January 2018 at Mumbai.
- v) Prof Utpal Sharma was a special Expert at the session Smart Cities of Bonjour India in March 2018 at New Delhi.
- vi) Prof. Bulbul Shukla, made a virtual presentation of paper “Multi culturism in post colonial Indian cities” at the International Conference on Memory Studies 2017, Turkey.
- vii) Prof. Rahul Shukla, presented a paper “Impact of E commerce on Urban Freight” at the International Conference on Urban Sustainability: Emerging Trends, Theme, Concept and Practices (ICUS2018) in March 2018 at Jaipur.
- viii) Prof. Utpal Sharma was the Keynote Speaker and presented on "Environment and Development Plan" at the 66th National Town & Country Planners Congress - Workshop organised by ITPI in February 2018 at Hyderabad.
- ix) Prof. Pratima Singh presented a paper “Determining Population Distribution for Vulnerability Assessment” at the National Conference Role of Geospatial Technologies to Bridge the Urban Rural Divide in February 2018 at Ludhiana.

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

- i) Prof. Sharad Panchal authored a book ‘Crafted the Composition: Part I published by R. R. Sheth & Co. Ltd., ISBN No. 978-81-89598-92-1.
- ii) Krishna Kumar Yadav: XIII International Ex Libris-Ex Libertas, Lyuben Karavelov Regional Library – Ruse, ISBN No.: 9786197404029 Book Chapter No.190

New collaboration

MOUs signed with the following:

Sr. No.	Date of MOU Signed	MOU With
1	8/8/2017	INI Design Studio, Ahmedabad
2	9/11/2017	Escola Da Cidade, Brazil

Extension Activities/Community services by Institute

Students of B Arch programme conducted community service by making study desks for children of construction workers in Ahmedabad. They also made paper bags for distribution to street vendors for creating awareness about harmful effects of plastic. Some of the students undertook the community service of teaching and interacting with young children of underprivileged background (construction work sites and the slums) with the help of NGO, Saath Charitable Trust, Ahmedabad. The children indulged in creative activities like paper craft, drawing and painting, elementary education, and health and hygiene education. Students of Sem VII B. Arch constructed benches made from locally available stone and mud in a village panchayat compound.

IV. Infrastructure and Learning Resources

Computer facilities: The Institute purchased:

15- Desktops

3- Lenovo Laptops

1-Mac Book Pro

Library

The library during the year (April 2017 – March 2018) made significant progress in several areas:

- 1049 books (worth of Rs. 17,16,017/-) were added to the Library and presently it has a collection of 2, 622 books.
- It subscribed 25 journals and magazines (worth of Rs. 1, 93,660/-) – 12 national and 13 international – in areas of Architecture, Planning and Current News.
- It has subscribed more than 220 e-journals and 230 e-books (worth of Rs. 2,78,260/-) of EBSCO.
- The Library circulated 5,652 books and other documents to its members during the year and 9,623 users walked into the library.
- It also arranged a Book Exhibition, Library Orientation Programme for students, Training Session – EBSCO Online Journals.

V- Student Support and Progression

15% NRI / NRI Sponsored Category

Name of Programme	First Merit No.	Last Merit No.
Bachelor of Architecture	01	54
Bachelor of Planning	-	-

35% All India Seats

Name of Programme	First Merit No.	Last Merit No.
Bachelor of Architecture	01	156
Bachelor of Planning	01	51

ACPC – 50% SEATS

Programme	Merit Rank (ACPC) Category Wise							
	Open		SC		SEBC		Other board out state	
	First	Last	First	Last	First	Last	First	Last
B. Arch	10034	10107	10797	10811	10253	10297	30144	30144

- Value added courses-
Photography, Building Information Modeling, heritage and Conservation, Furniture Design

No. of Co-curricular activities organised - 6

Sports activities

As a part of extracurricular activities, annual sports events were held in the month of October 2017 – November 2017, wherein IAPNU had participated in different sports and had won many prizes, listed below:

Sr. No.	Name of the Event	Position	Name of the Students	Roll NO.
1	800 m. Race (Boys)	3	Debabrata Ghoshal	15BAR09
2	1500 m. Race (Boys)	2	Hemil Ganatra	16BAR041
3	High Jump (Boys)	2	Samay Chevli	15BAR43
4	Long Jump (Girls)	3	Swara Desai	14BAR36
5	Javelin (Boys)	2	Kush Desai	14BAR20
6	Javelin (Girls)	2	Swara Desai	14BAR36

Institute
of
Commerce

Institute of Commerce

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Institute Of Commerce

Important activities

The second batch of BCom (Hons) was inducted on 19th July 2017. The Inaugural Function was graced by Shri D P Chhaya sir, Director (A&GA), Nirma University. CA Dhinal Shah was the Chief Guest.

During the AY 2017-18 institute organised many co-curricular and academic activities. Despite being a new institute, ICNU students got many achievements on various academic and co-curricular fronts. Four students of ICNU participated at State level case study analysis and bagged the first two positions.

Our students participated in “National Accounting Talent Search” conducted at national level and out of these six students got the Brilliant Performance Award. ICNU students also participated in various sports and co-curricular activities conducted at National, State and University Level.

I- Curricular Aspects

- New courses being offered: Syllabi and Teaching and Examination Scheme were designed for Semesters V and Semester VI.
- Number of courses where major revision is made: No major revision was made in any courses as the programme is still new and relevant to the market needs.

II- Teaching-Learning and Evaluation

Faculty development programmes availed by faculty

- Dr Sumita Shroff participated in the two-day workshop organized on the theme "Digital Era Tools for Teaching-Learning" by Academic and Research (ADR) Cell, Nirma University on September 15-16, 2017.

Invited Lectures

- 1) In the month of November 2017, **NSS Orientation Programme** was organised for the students to orient them towards various NSS activities. **Mr Kamal Kumar Kar** – Regional Director, Government of India, Ministry of Youth Affairs & Sports, National Service Scheme Regional Directorate, Ahmedabad graced the occasion and addressed the students.
- 2) In order to enhance the understanding and significance of financial markets amongst students, in the month of October 2017, a Seminar on “Emerging Trends in Capital Market” was organised. The seminar had four sessions on **Investment Banking, Investment Advisory Services, Equity Market** and **Debt Markets**. Experts from industry were roped in to make the sessions engaging. Speakers came from India Infoline Securities Ltd, Beeline Broking Pvt Ltd, and Prudent Financial Services Ltd.
- 3) **Brain Mapping session** was conducted in the month of October 2017, so that students can identify their core potential and make informed decisions with respect to their career choices. **Mr Anish Baheti**, a professional from Train My Brain was invited for the same who generated the brain maps of the students through a questionnaire and counselled them accordingly.

- 4) In the month of December 2017, with an aim to discuss the contemporary trends in accounting, a guest lecture on **Carbon Credit and Taxation** was organised. **Prof S S Bhanawat** – Former Head, Department of Accounting, Mohanlal Sukhadia University, Udaipur addressed the students.
- 5) In the month of January 2018, **Curriculum Development Workshop** was organized with experts from academia and industry invited for finalizing the structure of courses and syllabi for the third year of BCom (Hons).

Invitees from Industry included

Mr Dipesh Shah, Head, IFSC & Strategy, GIFT, Gandhinagar

Mr Vaidyanathan Iyer, Sr Vice President, IndusInd Bank, GIFT, Gandhinagar

Mr V Soundrajan, Chief Regulatory Officer, India Int Exchange, GIFT, Gandhinagar

CS Mahesh C Gupta, Consultant

Mr Nishith Modi, Entrepreneur (Karnavati Chemicals, Ahmedabad)

Invitees from Academia included

Principal G A Pathak (Retd), H L College of Commerce, and Advisor, AES, Ahmedabad

Prof S S Shah, Head, Department of Accounting, H L College of Commerce, Ahmedabad

CA Nilesh Suchak, Associate Professor, R J Tibrewal Commerce College, Ahmedabad

Prof Parag Rijwani, Associate Professor, IMNU

- 6) In the month of January 2018, as a part of National Youth Week celebrations **Mr Rajnikant Bhatt** was invited to enlighten students on relevance of Swami Vivekananda's philosophies in today's times.
- 7) With the motive of satiating the entrepreneurial streak of students, **Mr Nishith Modi**, an entrepreneur himself was invited for a guest lecture on "**Entrepreneurship**" in the month of February 2018.

III Research, Consultancy and Extension

Participation in National/International conference based on the acceptance of research paper

Financial Year	International Conference	
	Number of Teachers	Amount Incurred
2017 - 18	01	-
2016 - 17	01	-

Research Publications in financial year

Financial Year	National Journal		International Journal	
	Number of papers published	Average impact factor	Number of papers published	Average impact factor
2017 - 18	02	-	03	-
2016 - 17	-	-	-	-

Research Publications by Faculty

Details of Published Articles

- Shah, D. (2017). Factors affecting financial performance - A study based on companies of different industries in India. *Asian Journal of research in banking and finance*, pp. 275 - 286.
- Shah, D. A. (2018). Pre and Post effect of recession on financial performances of selected indian companies , pp. 71-79.
- Goyal, S. S., (2017). A Study on Corporate Social Reporting of Market Leaders. *EPR International Journal of Economic and Business Review*, 5(8), August 2017, pp. 151-162.
- Goyal, S. S., (2018). Working Capital Policy of Indian Service Industry. *Pacific Business Review International*, 10(8), February 2018, pp. 104-118.
- Goyal, S. S., (2018). A Study on Some Important Aspects of Working Capital Management in Selected Indian Industries. *Finance India*, 32(1), March 2018, pp.215-226.

IV Infrastructure and Learning Resources

- Computer facilities added: Three laptops for faculty were procured.
- Library - learning resources added: This facility is common with IMNU.
- 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: 80%
- NRI Category : 49.80%

Student Activities

Achievements of Students

Name of Event	No. of Student participants	State / University / Institute Level	Result
Khel Mahakumbh	1	State	3 rd in 1500 metres running
			4 th in Long Jump
Khel Mahakumbh	1	State	4 th in Badminton Tournament
University Sports	1	University	2 nd in Long Jump – Boys
University Sports	1	University	3 rd in 200 metres Running - Boys
University Sports	1	University	3 rd in 800 metres Running - Girls
University Sports	4	University	Relay 4 x 100 metres - Boys Team
University Sports	10	University	Winners of Tug of War
University Sports	1	University	2 nd in Badminton - Singles
University Sports	1	University	3 rd in Badminton – Singles
Photography Competition	1	University	3 rd in Photography Competition

Mime Competition	10	RCNI, NU	Winners of Rangmanch
Nuzeal	1	Cultural Fest, NU	Winner of Mono-acting
Nuzeal	1	Cultural Fest, NU	Crowned Mr Nirma
Nuzeal	1	Cultural Fest, NU	Best Talent Award
Nuzeal	2	Cultural Fest, NU	Winner of Collage Making Competition
Nuzeal	11	Cultural Fest, NU	Best Talent Group
Khadi Miss India Contest	1	Student Welfare, NU	2 nd position at Khadi Miss India Competition
State Level Case Analysis Competition	2	State Level	Winners of the Competition
	2		2 nd prize at the Competition
National Accounting Talent Search	6	National Level	Brilliant Performance Award
Harry Potter Quiz- IMNU Library	3	University	2 nd prize at the Competition

Value Added Courses

1. 'Yoga and Total Health' for Semester-I
2. 'Advance foreign language (Spanish)' for Semester-II
3. 'Spreadsheet' for Semester – III
- 4 'Advance foreign language (French) for Semester - IV

Co-curricular activities organised

Student Sports activities

- Friendly Cricket Match and Badminton

Youth welfare and cultural activities (along with number of participants)

- Teachers day celebration: 120
- Fresher's Party: 120
- Swachta Pakhwada: 69
- Christmas Party: 65
- Ethnic day: 80
- Old age home visit: 30
- Sports: 15
- NUzeal: 40
- Inter Institute Activities: 10
- Photography: 8

Department
of
Design

Department of Design

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Department of Design

Department at a Glance

Department of Design at Nirma University is in its second year, having commenced in 2017. Being the youngest programme on the University campus, it started with Nirma Management's vision to complete the circle of educational avenues open to students seeking higher education. In today's Information Age, increasingly there is need for inter-disciplinary orientation. Business, Research, Industry, Governments- all are looking for the 'aha' moment in their endeavors and 'creativity' and 'visual thinking' methods are sought along with digital technology, for problem solving and new opportunity mapping.

Department of Design at Nirma University focuses on students' learning following **Outcome Based Education approach (OBE)**. Department of Design through its curriculum design and clearly articulated learning outcomes ensures that students learn by constructing knowledge along with receiving knowledge from tutors. This constructivist approach requires new techniques for learning-teaching and assessing students' learning. This includes Continuous Evaluation as the core and integral part, to ensure that students learn by doing, on a continuous basis.

Dignitaries invited for Foundation Day of first Batch of Design students

Department of Design had the pleasure and privilege to host **Professor Sudhakar Nadkarni** and **Professor Poonam Bir Kasturi** as keynote speakers.

Professor Sudhakar Nadkarni has the distinction of having initiated three major Institutions in the country. He was instrumental in starting the Industrial Design Centre at IIT Bombay in 1969, the Department of Design at IIT Guwahati and the Design Management Programme at the Welingkar Institute of Management at Mumbai.

Professor Poonam Bir Kasturi trained as an Industrial Designer, graduated in 1985 from NID and is a recipient of different awards the latest being "Social Entrepreneur of India Award". Her enterprise "Daily Dump" answers modern times most urgent and complex problem- garbage disposal.

The insightful thoughts of the keynote speakers enlightened the students and marked a great beginning of students' journey of learning about design, responsibilities of a designer and the road ahead.

The Director General Dr. Anup Singh gave insightful talk on different formats of learning. Prof. Amit Sheth, then Head of the Department of Design spoke on Design and design education at Nirma University. Students' special performance- creating music from trash set off the creative process rolling.

Expert Speaker invited during the Orientation Programme 2017 to share their Journey as Designers:

- **Mr. Satish Gokhale**, Alumnus of National Institute of Design, Ahmedabad; More than twenty five years of experience in Product design. Founding member of the Association of Designers of India (ADI).
- **Mr. Ishaan Khosla**, Designer who works on a range of projects that combine design, technology and craft in different ways. Ishan Khosla Design has been named as one of 100 Best Contemporary Graphic Designers in the world by Charlotte and Peter Field in their book, *New Graphic Design*.
- **Mr. Hemant Suthar**, Co-founder of Fractal Ink Design Studio Private Limited serving as its Creative Director. Mr. Suthar has designed many firsts including India's first portal India World which was then sold to Satyam, its first touch screen kiosk for Sun Pharma and more.
- **Ms. Krishna Patel**, Textile designer and Design academic for four decades as a design educator at NID. She has also taught at various design institutes across USA.
- **Mr. Dinesh Korjan**, trained as a product designer from NID Ahmedabad, is one of the pioneers of product design practice in India. He has been pursuing Systems thinking in design both in projects and in the classroom, in an effort to find design solutions for real world problems.
- **Ms. Ashwini Deshpande** a 1989 graduate of National Institute of Design, Ahmedabad. Ashwini is the co-founder of Elephant Design, India's largest independent, integrated design consultancy with offices in India & Singapore.

Former HOD **Prof. Amit Sheth** was invited to be a part of Jury at:

- National Institute of Design Ahmedabad Royal Dutch Kusters Engineering - "*Value for Money*".
- Other conferences attended and participated in were *NID India Summit* at Hyderabad- 5th to 6th December, 2017
- *UK- India Design Workshop* at Delhi- 29th to 31st January, 2018.
- *Delhi Design Festival* – as an invited Speaker - 23rd to 25th February 2018.

Invitation to Department of Design to Participate in Sabarmati Festival

The Department of Design was invited to participate and showcase their work in the 2nd Annual Edition of Sabarmati Festival at Sabarmati Riverfront. The five-day long festival witnessed footfall from all walks of life. The theme of the festival was "**Small is Beautiful**".

The display was in a maze format paying tribute to four types of Makers/Small Entrepreneurs of Ahmedabad. The material was part of the course "Design & Environment" led by Prof. Sangita Shroff with involvement of other faculty members, Prof. Kanupriya Taneja, Prof. Risha Roy, Prof. Kriti Khatri and Prof. Nabajit Deka. The students captured their lives via Illustrations in a narrative format of Story boards, weaving interesting tales of their lives. The students had shadowed their subjects, spent time observing, researching and interacting with their protagonists. They studied their environment, got insightful views and facts of their livelihood and life stories. Their insights sensitized them to issues of employment and income generation. Through some narratives they learned the

processes used by the makers and some were delightfully animated looking at life with an amusing twist to it.

Design Fridays: Expert lectures by design Experts held were by:

1. **Prof. Nita Verma**, Yale University, USA
2. **Ms. Bhakti Dudhara**, Information Designer, Aubergine
3. **Ms. Sudebi Thakurata**, **Instructional Designer**, CERTAD, Srishti school of Design
4. **Prof. Eroll Pires**, Split Ply Crafter, Textile designer
5. **Shri Rajnikant Bhatt**

As part of **Continuous Evaluation**, Experts from Industry and academia were invited to evaluate the work in **Semester End Jury**.

1. Prof. S. Sethuraman
2. Mr. Dinesh Sharma
3. Prof (Dr) Shilpa Das
4. Prof. Narendra Patel
5. Ms. Jaai Kakani
6. Ms. Rachita Sareen
7. Prof. Immanuel Suresh

Rural Exposure & Documentation (RED), Bhuj, 2018

A two week-long experiential Rural Exposure and Documentation aimed at introducing students to developmental initiatives guided by ‘design’ and socially equitable & ‘sustainable practices’ was designed and detailed by Prof. Sangita Shroff and the resource persons of Social organizations Khamir & Hunnarshala in Kutch, Gujarat and Jatan Sansthan in Rajsamand district, Rajasthan. These social organizations were selected as that they had designers as key members of the team on the ground, working with social entrepreneurs, scientists, social workers, communicators and artisans.

Group 1: Village Kukma, Kutch

Students were oriented to issues in the region, the analysis and methodologies used to address and solve the needs of the rural stakeholders. 32 students from the Department of Design accompanied by Prof. Nabajit Deka & Prof. Vishnupriya Narayanan visited Village Kukma, District Bhuj, Kutch, Gujarat from 11 – 17 February, 2018 as part of their Rural Exposure & Documentation (RED) Course. It is an experiential and awareness program for Semester II students (Foundation Year) to understand developmental initiatives in Rural India.

Some of the activities conducted were –

- Visiting Kala Cotton Exhibition at KHAMIR campus
- Workshop in spinning & weaving at KHAMIR campus
- Visit to village Adesar, Rapar District – meeting with organic Cotton Cultivators and understanding farming practices
- Hands-on Workshop in Tie-Dye at Kukma
- Hands-on Workshop in Block Printing at Ajrakhpur
- Introductory Session on 'What is Sustainable Building Practice?'
- A hands-on session on Rammed Earth and wall making with Adobe

- Introduction to Participatory Building Practice
- Exposure to sustainable building projects in Bhuj (urban housing) and Rudramata (rural housing)
- Exposure to Concepts of Water Management including sewerage recycling and Water Recharge
- Visit to Hodko artisan village
- Visit to Living & Learning Design Centre, Shrujan Trust and Bhujodi Weavers' village

The students observed, absorbed, immersed and documented the processes and placed together their learning in the form of a journal/book/ document, including photographs, sketches and text. Being students of Foundation year, this was their first attempt to put together a summation of their rural contextual learning. The document is in the form of their first book, which is placed in the IA&P library.

Group 2: Khadbamniya, Rajsamand, Rajasthan

33 Students accompanied by two internal faculty members, Prof. Risha Roy and Prof. Kriti Khatri and led by expert Prof. Lakshmi Murthy, did field work in Pachamta village, Railmangra from 11th to 17th February, 2018.

Following were the topics covered:

1. **Myths & Beliefs** to understand the spiritual beliefs and practices followed by the communities of the village of Pachamta.
2. **Mapping of Architectural** styles in the village with respect to communities- Landmarks, Construction of Houses (all kinds) and overall review of the village structure.
3. **Communities-** the focus was on the rural communities of the Rajmali, Gadri, Jaat and Agrawal groups, their social and economic status in the village.
4. **Services-** Study and categorization of Government and local Panchayat provided services. Under government schemes- Agriculture related, e-mitra, postal services and Ration facilities were studied, whereas under Panchayat aided schemes- Vikas yojnas, Health and Education, Electricity and Water supply.
5. **Sanitation** covered disposals of human waste, animal waste and sanitation systems in the village.
6. **Water Resources-** main source of water in the village, modes of water storage, usage of water, drainage system of waste water, planning and layout of the pipelines, etc.

On return, the students analyzed their data, visual recordings and put their findings in the form of books that are handed for use and circulation in the library.

Visiting Faculty invited to teach in the Foundation programme: 2017-18

Name	Subject
Prof. Kumar Chauhan	Drawing I
Prof. Romanie Jaitely	Drawing I
Prof. Jayanti L Naik	Basic Material I
Prof. Paramand Dalwadi	Imaging Techniques- Basic

Prof. Mahendra Nikam	Imaging Techniques- Basic
Prof. Vikas Gupta	Drawing II
Prof. Rashida Tyebjee	Typography
Prof. Vishnupriya Narayanan	Colour, Geometric Construction I, Geometry II
Prof. Shilpa Das	History of Design I
Prof. Erroll Pires	Basic Materials II
Shree. Kalsara Shivalal Dhirajilal	Basic Materials II
Prof. Rebecca Reubens	History of Design II
Prof. Jayaram Poduval	History of Design II
Prof. Muntaha Rushnaiwala	Essential Science
Prof. Sanjeev Bothra	Design Process
Prof. Anand Saboo	Design Process
Prof. Jinan KB	Elements of Design II
Prof. Hitesh Desai	Elements of Design II, Basic Materials II
Prof. Dhruv Singh	Elements of Design II

Exhibitions/Open House:

Department of Design, Nirma University concluded its Semester I – Foundation, with a one-day exhibition on 22 December, 2017. Students exhibited their work of all the courses which included subjects like Drawing I, Color, Geometric Construction I, Elements of Design I, Basic Materials, Design & Environment, History of Design I, Design Case Studies and Essential Communications.

The main objective of the exhibition was to highlight the work of the students and get qualitative review and feedback. The exhibition continued for the entire day and gathered a lot of crowd including parents, faculty members from other Institutes and external experts. One of the purpose was also to showcase to the parents the learnings of their wards and commence a communication network with parents, important stakeholders for the department.

The Department has carried out various extension, placement, sports, youth welfare and cultural and extracurricular activities.

I. Curricular Aspects

New programmes being offered: B. Des. Programme was started in the year 2017.

New courses being offered: Syllabi and Teaching and Examination Scheme were designed for Semesters III & IV.

No. of courses where major revision is made: Teaching and Evaluation Scheme were revised for Semesters I, II & III.

Initiative/Innovation in Curriculum design

Prof. Sangita Shroff, current Head of Department, then member of the Board of Studies, has made a basic template of the 4 year programme for both the disciplines, which has been presented to the Board of Studies.

II. Teaching – Learning and Evaluation

- Faculty pursuing PhD: Prof. Kanupriya Taneja
- **Workshops attended by faculty members:**
- Prof Risha Roy, Prof Nabajit Deka, Prof. Kriti Khatri have successfully completed the 4-week Induction Programme in May-June 2018 by CQAAD, Nirma University.
- Prof. Sangita Shroff, HoD, was an expert presenter at the Faculty Induction programme in “Design Thinking” for 37 faculty members from the University who attended the Induction programme.
- Prof. Sangita Shroff and Prof. Immanuel Suresh were mentors and trainers for the 5-day Training program conducted for three faculty members at the Department level.
- Prof. Kanupriya Taneja, Prof. Risha Roy, Prof. Kriti Khatri attended "*Digital Era Tools for Teaching-Learning*" at Nirma University organized by ADR cell.
- Prof. Risha Roy, Prof. Kriti Khatri attended '*Intellectual Property-Idea to Asset*' organized by DRI cell.
- Prof. Risha Roy, Prof. Kriti Khatri attended "*Self Defense training*" by visiting faculty Judge Mel Flangan, Institute of Law.

Workshops/Seminars/Conferences/Invitations to Faculty

- **Prof. Nabajit Deka** - Assistant Professor, Department of Design, Nirma University visited Woodex Asia Exhibition 2017 held at Mahatma Mandir, Gandhinagar, India on 18 September, 2017. It is a Trade Show for Woodworking Machinery, Furniture Hardware & Fittings, Power Tools, Adhesives, Plywood & Panels, Laminates, Woodex Asia Flooring, Wood Composites, Particle Boards, Raw Materials, Coatings, Veneer, Timber & Lumber, Doors & Windows and More Products.
- **Prof. Nabajit Deka** - Assistant Professor, Department of Design, Nirma University visited Engimach 2017 Exhibition held at The Exhibition Center, Gandhinagar on 09 December, 2017. ENGIMACH 2017 is dedicated to technology and innovations. It witnessed the never seen before products, processes, technology, emerging innovations, active participation of automobile companies, knowledge sharing and exchange with world leaders, investment opportunities and business tie-ups.
- **Prof. Nabajit Deka** - Assistant Professor, Department of Design, Nirma University participated in the Continuing Education & Quality Improvement Programme (CE & QIP) course on Expo CD conducted by IIT Bombay during July 19-21, 2018. The course Expo CD is a refresher course on the finer aspects of Communication Design specifically meant for professionals. The course dealt about the overall aspects of Communication Design for the Digital Media, a deeper understanding of Communication Graphics, Methods for Structuring and Visualization of Information as well as exposure to creative processes for solving

communication problems. The subjects covered during the workshop include - Typography for Digital Media, Expressive Typography, Typography for the Web, Information Graphics, Information Visualization, Communication Graphics, Icon Design, Design Process, Design Methodology, Interactive Design, Identity Design, etc.

Innovation in Teaching-Learning & Evaluation

ICT tools are used by Faculty as part of Lesson plan to better pedagogic delivery of their respective courses. The students' evaluation is done through Continuous Evaluation and a Semester End Jury.

Activities to sustain Healthy Practices

The students are prepared and guided to improve their writing and presentation skills. The Department has been encouraging students to participate in **Student Welfare Activity**.

III. Infrastructure and Learning Resources

Library – Learning Resources added

Books (Volumes)	501
Journals- National	5
Journals- International	4
Newspapers	3
Electronic Media (CD-ROMs)	8
Photo Albums	20
Project Reports (Students-Semester II)	6

Computer facilities: This is common with IAPNU

Library - This facility is common with IAPNU

Construction Yard: This Facility is common IAPNU

IV. Student Support and Progression

Admission details– category wise

The minimum percentage of marks required for seeking admissions is an aggregate of 50% in their qualifying Examination (HSC/Diploma). Further admission is given purely on the basis of the merit obtained in the Entrance Examination and Interview conducted by the Department.

Name of Programme	General Category	NRI(Sponsored)	Total
B. Des Industrial Design	31	4	35
B. Des Communication Design	29	3	32

Student Achievements

Youth Welfare and Cultural activities:NUZeal

NUZeal competition (Rangoli) 2018: Snigdha Suggla and Yashvi Padmani

NUZeal: Designed logo, banner and certificate 2018 Vasishtha Dubey

Patriotic Song Competition

Haavani Kapadia and Vidita Shevade participated in University Level Patriotic song competition held on 11th August 2017 as a part of Independence Day Celebration.

Mr. and Ms. Nirma University

Auditions- 9th November, 2017 and Finals- 10th November, 2017

Participants: Prapanja Anandkumar and Vidita Shevade

Republic Day Celebrations

Faculty and staff members along with students attended the University level Republic day function. Also exhibition of the photographs of winners and participants of University level Photography contest was exhibited at the entrance of K block.

Performance In Sport Activities

Although, the strength of the student in the Department is comparatively small but still the students have participated enthusiastically. Majority of the students have participated in at least one sports event.

Sr. No	Roll No	Name of Students	Institute	Sports
1.	17bdi002	Aayush Palany	Design	Badminton (Male-Singles)
2.	17bdc023	Sakshi Saboo	Design	Badminton (Female-Singles)
3.	17bdc030	Vasishtha Dubey	Design	Table Tennis (Male-Singles)
4.	17bdi006	Danisha Mehta	Design	Table Tennis (Female-Singles)
5.	17bdc026	Snigdha Suggala	Design	Chess (Female-Singles)

Activities of Guidance and Counseling Unit

The guidance and counseling unit of the Department works throughout the year, right from the first day the student joins in the Department. The main activities have been the identification of students with challenges- both academic and otherwise. These students are given special encouragement and mentorship by providing information and counselling so as to enable them to have their basic concepts strengthened. Remedial classes were conducted and unit wise evaluation was done to improve their writing and presentation skills. The students after 3-4 sessions have started showing better results.

**Centre for
Continuing Education**

Centre for Continuing Education (CCE)

Preamble

Continuing Education is a lifelong learning process which meets the 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 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 do not 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. Centre for Continuing Education (CCE) is an effort in that direction which was established by Nirma University (NU) in the year 2012.

The objective of the Centre is to satisfy the needs of all the stake holders in terms of life skill and societal development. It is engaged in conducting the need based programmes round the year as proposed by the various constituent institutions of Nirma University. All the programmes organised under CCE are generally conducted and coordinated by the constituent institutions of Nirma University.

Why Centre for Continuing Education (CCE)?

It is often required to complete specialized training to qualify for certain jobs, such as management or administration positions. Obtaining additional **education** can also increase one's marketability in the job market. **Continuing education** is the way to develop new skills or knowledge necessary for a career transition. It has been observed that such centre for continuing education are boon to all the stakeholders of any organization or university, as it provides a platform either to showcase your potential or to update your skill and employability level. Not only that, but CCE is also useful to convert unskilled labour force to the skilled one. It is also useful to give a meaning to the job done by the current employees mechanically without understanding. It also works as a bridge to fill the gap between the technological advancement against the current practices. CCE is not limited to the above purposes only. It helps in speeding up nation's growth by facilitating and creating skilled and need oriented workforce. It is playing a role of catalyst to the skill development mission of Government of India. 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 emphasizing on existence and importance of CCE at university level.

Objectives of CCE

- To provide Continuing Education, Knowledge, Training facilities, Testing facilities etc in various fields to contribute to the social development.

- To design suitable programmes to enhance the skills of an individual so as to improve the quality of human lives through application of knowledge.
- To coordinate for the continuing education programme offered by various Institutes at the University level.
- To assist working professionals in the industry in widening their knowledge base and in improving their skills.
- To arrange Workshops/Lectures/Seminars/ Services on requests.
- To identify employment potential areas and to conduct competency based skilled development programme.
- To identify the training needs of specific sectors and plan and organise suitable training programmes for them.
- To conduct Vocational Training to meet the specific needs of industrial business.
- To conduct Training Programme for Competitive Examination.
- To provide Training to under privileged section of society, village/s nearby, computer literacy, etc.

What CCE can offer?

CCE invites all the stakeholders to propose 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 training programmes/workshops in the areas including Engineering and Technology, Management, Law, Pharmacy, Science, Commerce, Architecture and Planning, Design, Soft skill, Community services, etc.

Programmes organised by CCE and conducted by constituent institutes of Nirma University

A total of **twenty five (25) programmes** were organized by CCE during April 2017 to March 2018.

All the programmes were organized and conducted successfully fulfilling the expected outcomes. The participants' feedback reports received are encouraging and appreciating in context of the content and programmes organized. There were a few programmes which could not be conducted due to registration of less number of participants. This issue will be discussed in next Executive Committee meeting.

Summary of Programmes

Sr. No.	Name of Institute	No. of Programme(s) Planned	No. of Programme Conducted			No. of Programme/s	
			As Per Planning	Other than Planned	Total	Postponed	Cancelled
1	Technology	15	7	4	11	1	7
2	Management	8	5	0	5	0	3
3	Pharmacy	6	5	1	6	0	0
4	Science	1	1	0	1	0	0
5	Law	1	1	0	1	0	0
6	Architecture & Planning	2	1	0	1	1	0
Total		33	20	5	25	2	10

(A) Programmes Conducted Successfully

Sr No	Name of the programme	Date	Programme Coordinator (s)	Audience	No of Participants
01	Speech Processing for beginners	April 8, 2017	Prof. Sapan H. Mankad Prof. Jai Prakash Verma	Industry Professionals, External/Internal Faculty and Students	21
02	Embedded System Design	May 25-26, 2017	Prof. Sachin Gajjar Dr. D. K. Kothari	Industry Professionals, External/Internal Faculty and Student	25
03	Engineering Graphics- A language of Engineer	June 12-14, 2017	Prof. Anand Patel	External Students	38
04	Programmable Logic Controller	July 1-31, 2017	Dr. J B Patel Prof. Alpesh Patel	Industry persons and Students	12
05	Solid modelling using CAD software	July 15 - November 18, 2017	Dr. Jatin M. Dave Prof. Rudresh Makwana	Internal Students	30
06	Advances in Natural Medicines, Nutraceuticals and Herbal Cosmetics	August 19, 2017	Dr. Niyati Acharya Ms. Nagja Tripathi	External/Internal Student, External/Internal Faculty	65
07	Finite Element Analysis using CAE Packages	August 22 - September 12, 2017	Dr. Jatin M. Dave Prof. Nipun Raval Dr. Reena Trivedi	Internal Students	14
08	Analysis and Design of Building using STAAD Pro	September 1-2, 2017	Prof. Utsav Koshti Prof. Tejas Joshi Prof. Sunil Raiyani	External/Internal Students, External/Internal Faculty	40
09	Advanced Finite Element Analysis using CAE Packages for engineers and working professionals programme	September 4 - October 5, 2017	Dr. Jatin M. Dave Prof. Nipun Raval Dr. Reena Trivedi	Internal Students	21
10	Decision Making and Problem Solving Skills For Managers	September 14-15, 2017	Prof. Harismita Trivedi Prof Sapna Parashar	Industry Professionals	8

11	Formulation and Characterization of Nanoparticulate Drug Delivery System	September 16, 2017 (Saturday)	Prof. Tejal Mehta Dr. Renuka Mishra Dr. Dhaivat Parikh	External/Internal Students, External/Internal Faculty	72
12	Medical Writing	September 21, 2017	Prof. Jigna Shah, Dr. Shital Panchal	External/Internal Students, External/Internal Faculty	56
13	Photography	September 23-24, 2017	Prof. Pratima Singh	Students, Professionals	6
14	Effective Communications for Higher Performance	September 28-30, 2017	Dr. Nityesh Bhatt	Industry Professionals	12
15	Analysis of Electrical Systems using Simulation Tools	October 7-8, 2017	Dr. Gulshan Sharma Prof. Akhilesh Panwar	External/Internal Students	26
16	Orientation to pollution control laws	October 7-8, 2017	Dr. Madhuri Parikh	Industry Professionals, External Student	7
17	Hands on Training for HPLC & GC	November 3, 2017	Dr. Priti Mehta Mr. Nrupesh Patel	Internal Students	27
18	Leadership Style and Skills	December 21-22, 2017	Prof. Harismita Trivedi	Industry Professionals	8
19	Application of Analytical techniques for Herbal Drugs Research	January 6, 2018	Dr. Niyati Acharya Dr. Dipal Gandhi	Internal/External Students, Internal/External Faculty	44
20	Managerial Skills for Supervisory Personnel	February 1-3, 2018	Prof. Sameer Pingle	Industry Professionals	12
21	Computer Aided Drug Design Software	February 17, 2018	Dr. Jignasa K. Savjani Ms. Palak K. Parikh	Internal/External Students, Internal/External Faculty	48
22	Power Electronics for Renewable Energy Systems and Power Quality Issues	February 17 – 18, 2018	Dr. Siddharthsingh K. Chauhan Prof. Manisha T. Shah	Internal/External Students, Internal/External Faculty	26

23	Effective Team Building and Leadership	February 21 – 23, 2018	Prof. Nina Muncherji	Industry Professionals	22
24	Wastewater from characterization to treatment	March 12-14, 2018	Dr. Nasreen Munshi	External Students, External Faculty, Industry Professionals	29
25	Enhancing Power System Capability through FACTS	March 17-18, 2018	Dr. Siddharthsingh Chauhan Dr. Akhilesh Arvind Nimje	Internal Student, External Faculty	11
Total					680

(B) Programmes Postponed / Cancelled

Sr. No.	Name of the programme	Institute	Coordinator	Target Audience	Date	Status	Reason(s), if not conducted
1	Back end VLSI Design using Cadence	ITNU	Prof. Akash Macwan Prof. Vijay Savani	Students/ Faculty	May 4, 2017	Postponed to April 2018	Postponed due to Less Participants
2	Introduction to Computational Fluid Dynamics	ITNU	Dr. A M Lakdawala	Students	June 10, 2017	Cancelled	Cancelled due to Less Participants
3	Progression towards 4Passionate Engineering	ITNU	Prof. Neha Patni Dr. Ankur Dwivedi, Prof. Amita Chaudhary Dr. Shibu G. Pillai	External Students	July 14-15, 2017	Cancelled	Cancelled due to Less Participants
4	Hydraulics and Pneumatics Control	ITNU	Prof. Shruti Mehta Prof. Hiren Prajapati Prof. Prashant Bagga	Students/ Faculty	July 29 - September 16, 2017	Cancelled	Cancelled due to Less Participants

5	Stochastic Hydrology	ITNU	Prof. Divya Bhatt, Prof. Amit Dubey	Internal/ External Students	October 2017 (12 Hours)	Postpon ed to March 10, 2018	Cancelled due to Less Participan ts
6	Design of Structures	ITNU	Prof. Utsav Koshti, Prof. Tejas Joshi Prof. Sunil Raiyani	Students	Septemb er 15-16, 2017	Cancelle d	Cancelled due to Less Participan ts
7	Personality Development and Business Etiquette	IMN U	Prof. Nina Muncherji	Industry Professionals	January 18 -20, 2018	Cancelle d	Cancelled due to Less Participan ts
8	Piping Design Software Training	ITNU	Dr. B. A. Modi Dr. Mihir Chauhan	Internal/ External Students and Faculty Industry Person	20 January, 2018 to 20, April, 2018	Cancelle d	Cancelled due to Less Participan ts
9	International Marketing Research in 21st Century	IMN U	Dr. Subrat Sahu	Industry Professionals	January 29-30, 2018	Cancelle d	Cancelled due to Less Participan ts
10	Becoming an Entrepreneurial Employee	IMN U	Prof Shahir Bhatt Prof Amola Bhatt	Middle, Junior Executive/Uni versity	February 16-17, 2018	Cancelle d	Cancelled due to Less Participan ts
11	Advances in Damage Assessment, Repair and Rehabilitation Techniques for Concrete Structures	ITNU	Dr. Urmil Dave, Prof. Sonal Thakkar	Internal/Exter nal Students Internal/Exter nal Faculty	February 16-17, 2018	Cancelle d	Cancelled due to Less Participan ts
12	Photography	IAP NU	Prof. Pratima Singh	Students, Professionals	March 29-31, 2018	Postpon ed to June, 2018	Postpone d due to less no. of participan ts

Comparative data analysis for the year 2016-17 and 2017-18

1. Number of Programmes Organized under CCE and conducted by various institutes of NU during Year 2016-17 and 2017-18

Sr. No.	Name of Institute	2016-17	2017-18
1	Institute of Technology	14	11
2	Institute of Management	4	5
3	Institute of Pharmacy	4	6
4	Institute of Science	1	1
5	Institute of Law	2	1
6	Centre for Continuing Education	1	0
7	Institute of Architecture & Planning	1	1
Total		27	25

2. Total number of participants in various programmes organized under CCE and conducted by various institutes of NU during Year 2016-17 and 2017-18. (Ind. = Industry)

Sr. No.	Name of Institute	2016-17	2017-18		
			Internal	External	Total
1	Institute of Technology	442	174	90	264
2	Institute of Management	37	0	62 (Ind.)	62
3	Institute of Pharmacy	121	221	91	312
4	Institute of Science	16	1	28 (Ind.)	29
5	Institute of Law	40	0	7	7
6	Centre for Continuing Education	15	0	0	0
7	Institute of Architecture & Planning	11	5	1	6
Total		682	401	279 (90 Ind.)	680

3. Total income (in Rs.) of various programmes organized under CCE and conducted by various institutes of NU during Year 2016-17 and 2017-18

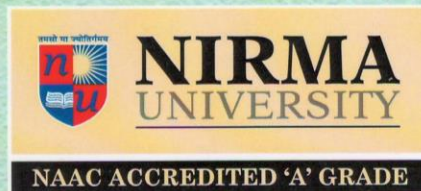
Sr. No.	Name of Institute	2016-17	2017-18
1	Institute of Technology	435750	348700
2	Institute of Management	353666	605870
3	Institute of Pharmacy	31600	113000
4	Institute of Science	91000	140974
5	Institute of Law	68500	5600
6	Centre for Continuing Education	15000	0
7	Institute of Architecture & Planning	11000	10500
Total		1006516	1224644

4. Total expenditure (in Rs.) of various programmes organized under CCE and conducted by various institutes of NU during Year 2016-17 and 2017-18

Sr. No.	Name of Institute	2016-17	2017-18
1	Institute of Technology	383923	276502
2	Institute of Management	145243	281026
3	Institute of Pharmacy	28456	94419
4	Institute of Science	74492	127761
5	Institute of Law	63900	5078
6	Centre for Continuing Education	11885	0
7	Institute of Architecture & Planning	9847	9687
Total		717746	794473

5. Overall performance of CCE during Year 2016-17 and 2017-18.

Overall performance of CCE	2016-17	2017-18
Income, Rs.	10,06,516	12,24,644
Expenditure, Rs.	7,17,746	7,94,473
Net Balance, Rs.	2,88,770	4,30,171
No. of Programmes Organized	27	25
No. of Participants attended	682	680



Nirma University

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