



**ANNUAL REPORT**  
**2017-18**

MODY

**Mody University of Science & Technology**

**Lakshmangarh – 332 311, Distt. Sikar (Rajasthan), India**

## INTRODUCING MODY UNIVERSITY

The Mody University is a Private university aimed at helping the girl population avail quality education with world-class techniques in an IT-savvy environment. It gives the students an opportunity to study the subject they want. They can choose from numerous undergraduate and postgraduate courses of different disciplines like Arts, Science, Commerce, Engineering, Management, Law, Fashion, Interior Design, Architecture, Physiotherapy, Agriculture etc.

Within the University grounds, you will find interactive classrooms, large sports courts, natural beauty, places with spiritual essence and the entire site filled with artifacts. This, in turn, does not only provide the best learning platform to the women but also ensures that they are made aware of the cultural heritage of the country.

## About the University

### **HISTORICAL BACKGROUND**

The Mody University was established in the year 1998 by **Shri. R.P.Mody**. He is a true visionary who took an idea ahead of his time and founded Mody University exclusively for Women. His philanthropic attributes, operated in terms of social and psychological promotion of the women community, led him to impart his proposed vision through practical infrastructure.

The University instills the thought that is fully capable of orienting knowledge and information in a scientific manner in the minds of the common mass. This acts as a boon towards the development of a 21st century perspective of the knowledge acquisition process implemented within the university.

### **VISION**

Committed to excellence, we seek to advance education and enhance knowledge to develop transformative skills in women fuelled with innovation, research, integrity, environmental consciousness, social and ethical sensitivity to create the finest women leaders, technocrats and social innovators.

### **MISSION**

- To create a supportive ambiance in which new ideas and innovation flourish, and from which the leaders and innovators of tomorrow emerge.
- To address contemporary issues and provide solutions at the local, regional, national and global level.
- Advance education and collaborative research that transform pupils through rigorous coursework and intellectual delivery.
- Create a sustainable ecosystem.
- Invent new knowledge by engaging in cutting-edge research and academic growth.
- Undertake collaborative projects which offer opportunities for long-term interaction with academia and industry.
- Develop human potential to its fullest extent so that intellectually capable and imaginatively gifted leaders can serve in a diverse range of professions.

### **CORE VALUES**

- Academic Excellence
- Research & Innovation Delivery
- Nation Building

- Social & Environmental Responsibility
- Human values and Intellectual Knowledge

MODY UNIVERSITY

## HALLMARKS

- Mody University has a campus that is aesthetically designed and marked with 73 state-of-the-art buildings with a built-up area of more than one lakh square meters and 10kms of internal campus roads.
- State-of-the-art 55 Laboratories including 16 computer laboratories.
- Enviable infrastructure amidst scenic lush green, environment friendly backdrop and a campus which is an epitome of tranquillity. It is an ISO 14001:2004 certified university campus.
- Educational initiatives exclusively for the women of today and tomorrow.
- Multi-discipline courses with inter-disciplinary options. Faculty student ratio is 1:12.
- Mody University has a collection of 60,442 books under 22,829 titles. It subscribes to 2525 E-journals/ E-Database, 215 National Journals/Magazines & 35 International Journals, Digital Library has a wide collection of soft resources.
- The whole campus is Wi-Fi enabled and also having internet connectivity through 70 Mbps leased line. 01 Gbps leased line is also installed under the scheme of National Knowledge Network (NKN), Government of India.
- Creating a global outlook through foreign language courses in Chinese, French, German, Japanese and Spanish.
- Five-star residential facilities (A.C. and Non-A.C Rooms), exquisite Dining hall and Cafeteria, Fully Wi-Fi campus; and 100% power backup.
- Two State-of-the-art Auditoriums with the capacity of 350 and 1100 people respectively

- Floodlit Lawn Tennis Courts and Playgrounds of International Standards are spread in an area of 17.5 acres. There is an Equestrian wing consisting of 55 horses with an Olympian trainer.
- A 100% power backup with 2555KVA power supply from its own powerhouse ensures uninterrupted studies as well as computer and Internet connectivity for students.
- Fully equipped Clinic with two Resident Lady Doctors and female nursing staff. Two ambulances are available round the clock in the campus.
- Shuttle bus facility for students to commute within the campus.
- A lotus-shaped aesthetically designed temple and meditation hall (Tapovan) for praying, yajna and meditation. Daily Yoga classes in the meditation hall.
- Excellent Placement in world's leading MNCs
- Mody University is running several Research Projects sponsored by Government Agencies.
- MoUs with various international universities and renowned research institutions and international internships and fellowships for students international scholarships and internships offers from the top-notch companies and research laboratories like GE Foundation, USA and GSI, Darmstadt, Germany.
- Strong Industry-Academia Interface culminating in record placement in MNCs and top notch Indian Companies like Infosys, Accenture, Ericsson, IBM, TCS, Wipro, Bank of Baroda, Deutsche Bank, Punjab National Bank, Patni Computers, HCL Technologies, Citi Financial, ICICI, ICFAI, Satyam Mahindra, IFB, I flex, Motorola, Nokia, Siemens Networks, ST Microsystems, Texas Instruments, etc.
- Foreign and NRI students are also admitted.



**SHRI R.P. MODY**  
CHAIRMAN

## Chairman's Message

I have always been passionate about educating women because I strongly believe that they possess unlimited potential and with the right education and encouragement, they can move mountains.

I believe that “knowledge is the beginning of spirituality“ and if we can inculcate the rich Indian values, heritage and age old traditions infused in science, a flawless character can be developed.

This led to the foundation of Mody University of Science and Technology in the University town of Lakshmanagarh, Rajasthan. The University is the Leading and foremost educational hubs for Women in the country, with more than 10,000 women graduating from various schools since its inception.

The University is built with the objective of nurturing excellence in every woman through an experienced faculty, world class infrastructure at the campus which is set in beautiful and secure environment.

## President's Message

The University has always been at the helm of educating, nurturing and positively shaping the young minds of students who join every year. Innovation and advancement is the core of our University and we are proud of its many achievements. Each year, research papers, articles and numerous books covering a vast array of topics are published by our eminent faculty members. Students not only excel in academics, but also in sports and other co-curricular activities. Our students have won laurels at various national and international competitions and our brimming mantle bears witness to their multi-faceted excellence.

The underlying precept of Mody University is “Learning is the beginning of spirituality.” It is our unflinching belief that enriching the minds and nourishing the souls of students is an integral part of education to ensure their academic, intellectual and spiritual evolution. Our sprawling green campus and its serene setting, state of the art infrastructure, high-tech laboratories aid in honing their skills and providing them with an environment where they can learn, grow and thrive. Spirituality is in the ambience of Mody University.

We aim at being the University where students come not only to study and get exceptional placements, but also where their imaginations fly high and their aspirations find a home. We are here because we believe that women will lead us into a future filled with promises.



## Preamble

2017-18 was a pivotal year in the history of the Mody University of Science & Technology (MUST). The University has fulfilled the vision of attracting faculty and students of the highest quality to MUST and has continued to provide them with state-of-the-art facilities and research infrastructure.

2017-18 saw important developments in academic and research activities. The number of academic events including Workshops, Seminars, Lectures, and Symposia are doubled. There was also a steady rise in the number of publications and scientific presentations, a trend that will undoubtedly accelerate. Mentorship, Project Based Learning, Teaching-Learning Diary are introduced from the last academic session. College started publishing International Journal, News Letter.

It is not possible to list all the developments and improvements that took place last year, but I would like to pay tribute to the Faculty and Staff of MUST who, in every sector, whether Research, Administration, Facility Management, etc., have shown great commitment and competence. Last academic year was a key year in the evolution of our University and the quality of our staff has been the foundation on which we have built success.

<b>Table of Contents</b>		
<b>Sr. No.</b>	<b>Title</b>	<b>Page No.</b>
1	Introducing the University	i
2	About the University: Vision and Mission	ii-iii
3	Hallmark	iv-v
4	Chairman's message	vi
5	President's Message	vii
6	Preamble	viii
7	Cultural Activities	2
8	Extension and Outreach programs	3
9	Faculty Development Programs	4-5
10	Sports Activities	6
11	Workshops/seminars conducted on Research methodology, Intellectual Property Rights (IPR), entrepreneurship,	7
12	Teachers receiving national/ international fellowship/financial support	8
14	Student Fellowships	9
15	Grants for research projects	10
16	Awards / Recognitions	11-12
17	Research papers	13-22
18	Books and chapters	23-24
19	Revenue generated from consultancy and corporate training	25
20	Collaborative activities	26-33
21	Gender equity promotion	34
22	MoUs with institutions/ industries	35-37

## Cultural Activities

### Session 2017-2018

- Sports event: Three Days Intra-Mody University Indoor Sports Event “Zeal’17” was organized by Lakshya (Sports Society) of College of Business Management, Economics and Commerce (COBMEC). Prof. Suresh Advani, President of Mody University of Science and Technology inaugurated the event by opening the Banner of the event “Zeal’17”.
- On 25 July 2017, CET organized Orientation program for I year students
- Janmashtami was celebrated on 14 August 2017 with great joy in MUST Campus.
- On 15th August 2017 the celebration of Independence Day was held in a mesmerizing way in the campus of Mody University.
- On 28 September,2017, CET organized Fresher’s party for I year students
- On 18 Jan, CET inaugurated ABET.
- Founder’s Day celebration: a five day long extravaganza in January from 22<sup>nd</sup> to 26<sup>th</sup> January was celebrated.
- Republic Day celebration The Republic Day was celebrated by the students of Mody University on 26th January 2019 at 9 A.M.
- On 2 February 2018, SET organized Inter College Fest.
- **Holi Milan** was organized on campus on February 25, 2018.
- International Women’s Day: Extempore Competition was organised by SOS & SLA, Mody University on 10 April 2018 on the occasion of International Women’s Day.
- On 18 April 2018, SET organized farewell for passing out batch.

**Session 2017-2018**

**Extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc. (including Government initiated programs such as Swachh Bharat)**

S.No.	Name of the scheme	Name of the activity
1	NSS	International Yoga Day- 21st June
2	NSS	World Environment Day- (5th June)
3	NSS	World Consumer Rights Day- 15th March
4	NSS	National Consumers Day- 24th Dec
5	NSS	World Energy Conservation Day- 14th Dec
6	NSS	Human Rights Day- 10th Dec
7	NSS	International Anti-Corruption Day- 9th Dec
8	NSS	Plastic Free Day 8th Dec
9	NSS	World AIDS Day - 1st Dec
10	NSS	Constitution Day - 26th Nov
11	NSS+Karuna	Azadi ke Rang (22nd August 2017)
12	NSS+Karuna	Children's Day Celebration at Bal Seva Sadan School (14th November 2017)
13	NSS+Karuna	Kasturba Sewa Sansthan visit (1st April, 2018)
14	NSS	National cleanliness Day Jan 30th
15	NSS	Legal Aid Camp 15th March
16	NSS	World Literacy Day 8th September
17	NSS	Road Safety Week 25th November, Sikar
18	Extension Activity	Azadi ke Rang (22 <sup>nd</sup> August 2017)

## Faculty Development Programs

### Session 2017-2018

S.No	Title	Organizer	Date From	Date To
1	Intellectual Property Rights and Management	College of Law and Governance	04-09-2017	08-09-2017
2	Research Prospectives in Natural Sciences	College of Arts, Science and Humanities	04-09-2017	08-09-2017
3	Nurturing the academic leadership in higher education	College of Engineering and Technology	10-07-2017	15-07-2017
4	2nd FDP on Research Methodology	College of Business Management, Economics and Commerce	11-09-2017	15-09-2017
5	2nd FDP on Communication and Interpersonal Skills	College of Business Management, Economics and Commerce	04-06-2018	08-06-2018
6	Examination, Teaching and Research Ethics	College of Arts, Science and Humanities	04-06-2018	08-06-2018
7	2nd FDP on Contemporary Issues in Management, Economics and Commerce	College of Business Management, Economics and Commerce	13-02-2018	17-02-2018

8	2nd FDP on Teaching Methodology	College of Business Management, Economics and Commerce	13-11-2017	17-11-2017
9	FACULTY DEVELOPMENT PROGRAMME (FDP) ON "Ethics, Linguistics and Communication in Effective Teaching"	College of Arts, Science and Humanities	15-07-2017	19-07-2017
10	FDP on "Fashion Market Research"	College of Fashion Design and Merchandising	16-07-2018	21-07-2018
11	Five days Faculty development programme on "Recent trends in Nanoscience and Technology"	College of Arts, Science and Humanities	20-11-2017	24-11-2017
12	2nd FDP on IT Tools for Teaching Pedagogy	College of Business Management, Economics and Commerce	22-05-2017	26-05-2017
13	FDP on "CAD in Fashion Design"	College of Fashion Design and Merchandising	24-04-2018	28-04-2018
14	FACULTY DEVELOPMENT PROGRAMME (FDP) ON Advances in Graph Theory and Operations Research with Applications in Applied Sciences	College of Arts, Science and Humanities	25-09-2017	30-09-2017

**Sports Activities**
**Session 2017-2018**

<b>S.N O</b>	<b>EVENT</b>	<b>PLACE</b>	<b>GAMES</b>	<b>PRIZES</b>	<b>DURATIO N</b>
1	BITS OPEN SPORTS MEET (BOSM - 2017)	BITS - PILANI	ATHELETICS FOOTBALL	SILVER: 16 BRONZE : 1	21/09/2017 to 25//09/2017
2	DESPORTIVO S 2018	LNMIIT Jaipur	FOOTBALL VOLLEYBAL L	SILVER: 23	26/01/2018 to 28//01/2018
3	SANGRAM 2018	IIT ROORKE E	BASKETBAL L TABLE TENNIS VOLLEYBAL L BADMINTON	GOLD: 14 SILVER: 13 BRONZE : 6 BEST PLAYER: 2	29/03/2018 to 01//04/2018

*Workshops/Seminars*

**Session 2017-2018**

**Number of workshops/seminars conducted on Research methodology, Intellectual Property Rights (IPR), entrepreneurship, skill development**

<b>S.No</b>	<b>Date</b>	<b>Title</b>
1	8th Dec	Workshop on "Intellectual Property Right (IPR)" Awareness Program
2	8th July	One Day Training Program on Introduction to Indian Patenting Procedures
3	19th August	Seminar on Innovative Projects and Patenting
4	5th Sept	One Day Workshop on Research Methodology Cover Topic Importance of Intellectual Property Right (IPR)
5	17th Sept	Seminar on Innovation and its Protection
6	6th Nov	Seminar on Research and IPR
7	18th Nov	Seminar on Innovative Approach
8	2nd Dec	Seminar on Patent Drafting
9	12th Dec	Seminar on Types of Patent
10	21st Dec	Seminar on Research: Applied Soft Computing Principals
11	4th Jan	Seminar on Patent Filing Process
12	17th Jan	Seminar on Patent and Copyright
13	2nd Feb	Seminar on Entrepreneurship & Intellectual Property Rights
14	12th Feb	Seminar on Research: Why, How and When
15	16th March	Seminar on Engineering Ethics & plagiarism
16	24th March	Seminar on Patent, Start-ups and Entrepreneurship
17	6th April	Seminar on Entrepreneurship as Career choice and Motivation



Teachers receiving national/ international fellowship/financial support by various agencies for advanced studies/ research

S. No	Name of the teacher awarded national/ international fellowship/financial support	Name of the award/fellowship	Year of the Award	Awarding Agency
1	Avinash Marval	Fellowship for SERB funded Project	2017-18	SERB,DST
2	Dr. R K Gaur	International Travel fellowship	2017-18	Department of Science and Technology, Govt of India
3	Dr. A. Senthil	International Travel fellowship	2017-18	ABET, USA

JRFs, SRFs, Post-Doctoral Fellows, Research Associates and other research fellows enrolled in the institution

<u>S.No</u>	<b>Name of the Research fellow</b>	<b>Academic Session</b>	<b>Type of the fellowship</b>	<b>Granting agency</b>
1	Rajesh Kumar	2017-18	JRF from BINC	BINC-JRF
2	Dr Avinash Marwal	2017-18	PI in DST SERB sponsored project	DST NPDF
3	Rakesh Kumar Verma	2017-18	JRF in DST SERB sponsored project	DST JRF
4	Kratika Gupta	2017-18	UGC NET JRF	UGC JRF

Grants for research projects sponsored by the government agencies

S. N.	Name of the Scheme/Project/ Endowment s/ Chairs	Name of the Principal Investigator/ Co Investigator (if applicable)	Name of the Funding agency	Department	Year of Award	Funds provided (INR in Rs)	Duration of the project
1	It is a teacher's research award and duration is 2014-2016 as per discussion with Dr. Gaur and Dr. Rakesh Verma	Dr. Rajarshi Kumar Gaur	University Grants Commission, New Delhi	Biosciences	2017-18	3449105	3 Year

Number of awards / recognitions received for research/innovations by the institution/teachers/research scholars/students

S.N.	Year of Award	Title of the innovation	Name of the Awardee	Name of the Awarding Agency
1	2017-18	Best Teacher Award	Dr. Prateek Bhanti	Mody University of Science and technology
2	2017-18	Best Teacher Award	Dr. Anjali Sharma	Mody University of Science and technology
3	2017-18	Best Teacher Award	Dr R S Chundawat	Mody University of Science and technology
4	2017-18	Best Teacher Award	Dr. Ashish Sharma	Mody University of Science and technology
5	2017-18	Best Teacher Award	Mr. Tarun Grower	Mody University of Science and technology
6	2017-18	Best Teacher Award	Ar. Rohit Kumar	Mody University of Science and technology
7	2017-18	Best Research Award	Dr. Sudhir Y Kumar	Mody University of Science and technology
8	2017-18	Best Research Award	Dr. Kalpana Sharma	Mody University of Science and technology
9	2017-18	Best Research Award	Dr Narendra Kumar	Mody University of Science and technology
10	2017-18	Best Research Award	Dr. Pradip Kautish	Mody University of Science and technology

11	2017-18	Best Research Award	Mr. Tarun Grover	Mody University of Science and technology
12	2017-18	Best Research Award	Ar. Shreya Giri	Mody University of Science and technology
13	2017-18	BHAVAN Internship at UNLV Las Vegas, USA	Dr. Sanjeev Jakhar	Department of Science and Technology (DST), Government of India and the Indo-US science and technology forum

## Research papers of teachers in the Journals

2017-2018

S.No	Title of paper	Name of the author/s	Name of journal
1	Barrier in Flourishing of Sustainable Energy Resources in India	Maandvi Raje Singh, Vikrant Sharma , Mukul Paliwal	INTERNATIONAL JOURNAL OF PURE AND APPLIED RESEARCH IN ENGINEERING AND TECHNOLOGY(IJPRET)
2	A Study of Human Intelligence Vs Artificial Intelligence	Ruchi Ahuja, Sakshi Choudhary, Sakshi Gupta, Savitri Tiwari, Dr. Sanjeev Patwa	International Journal of Allied Practice, Research and Review
3	Multi-Objective Optimization in CNC End Milling using Taguchi Optimization Technique	Atul Kumar, Sudhir Kumar, Rohit Garg	International Journal of Advance Engineering and Research Development
4	Thermal and Pressure Drop Analysis of Solar Air Heater with and without Wavy Fin	Ajeet Kumar, Atul Kumar, Gautam Prasad	International Journal of Mechanical Engineering and Technology
5	Analysis Of Energy Conservation For A	Ajeet Kumar, Atul Kumar, Gautam	International Journal of Applied Engineering

	Building Model of Research Institute	Prasad	Research
6	International Journal of Applied Engineering Research	Atul Kumar, Neeraj Kumar, Sudhir Kumar	International Journal of Applied Engineering Research
7	Critic Review of E-Governance in India	Shivi Gupta, Ranu Shekhar, Nisha Lodha, Puneet Kumar	International Journal of Latest Trends in Engineering and Technology
8	A Review on Application and Challenges of Blue Brain Project	Puneet Kumar, Mili Sharma, Tulika Tewari	International Journal for Science and Research In Technology
9	Determination of significant muscle in movement of upper limb using maximum voluntary contraction of EMG signal	Sushmi Mazumdar, Angana Saikia, Nitin Sahai, Sudip Paul, Dinesh Bhatia	2017 4th International Conference on Signal Processing and Integrated Networks (SPIN)
10	Comparative Performance Investigation of Battery and Ultracapacitor for Electric Vehicle Applications	Thoudam Paraskumar Singh, Sudhir Y Kumar	International Journal of Applied Engineering Research
11	Novel Buck-Boost Controlled HESS to Deliver Constant High	Thoudam Paraskumar Singh, Sudhir Y Kumar	International Journal of Mechanical Engineering and

	Voltage for Electric Vehicular Power Source		Technology
12	Performance Analysis of Solar Photovoltaic System for Electric Vehicles	Thoudam Paraskumar Singh and Sudhir Y Kumar	International Journal of Allied Practice, Research and Review
13	Impact of Node Density on Archimedes' Spiral Based Mobile Network Design in 3D	Raunak Monir, Ranjana Thalore, Partha Pratim Bhattacharya	COMPUSOFT, An international journal of advanced computer technology
14	Performance Comparison and Analysis of On-Demand, Table-driven and Hybrid Routing Protocols in 3D	Raunak Monir, Ranjana Thalore, Partha Pratim Bhattacharya	Mody University International Journal of Computing and Engineering Research
15	A Layered Relay-Medium Access Control (LR-MAC) Protocol for Wireless Sensor Networks	Ranjana Thalore M. K. Jha Partha Pratim Bhattacharya	Recent Patents on Computer Science
16	Multi-Layer MAC (ML-MAC) Protocol for WSN in Irregular Terrains	Ranjana Thalore M. K. Jha Partha Pratim Bhattacharya	International Journal of Sensors, Wireless Communications and Control
17	DEMOCRATIC TRANSITION AND INSTITUTIONALIZATION OF PARTY	Dr. Arun Kumar	Dr. Arun Kumar



	SYSTEM IN ESTONIA, 1991-2001		
18	Democracy and Political Stability: A Comparative Study of Estonia and India, 1991-2015	Dr. Arun Kumar	INTERNATIONAL RESEARCH JOURNAL OF MULTIDISCIPLINARY STUDIES
19	An Approach to Positive Reflectance on Inventory Cost by developing EOQ Model with Linear Demand by Weibull Distribution Deteriorating items and Partial Backlogging	Garima and Bhawna	ZENITH International Journal of Multidisciplinary Research
20	Synthesis and biological activity of novel 3-(4-methylthio benzene sulfonyl)-2,4-dimethyl/2,4-diphenyl/4-methyl-2-phenyl/2-ethoxy-4-methyl/ 2, 4-diethoxy-1,5-benzothiazepines	SS Chauhan , Y.C. Joshi , H.L. Singh , A. Mukherjee and S. Chhakra	Iranian Journal of Organic Chemistry
21	Fixed Point Theorems with Best Approximation	Ravindra parsai, Jitendra Binwal and	International Journal of Current Research

	Flavor	Milan Joshi	
22	Influence of age and gender on the function of postganglionic sympathetic sudomotor axons	KEDAR MAL, HULEGAR A. ABHISHEKH, MAHAVIR PRASAD CHAWLA, TRICHUR R. RAJU, TALAKAD N. SATHYAPRABHA	THE NATIONAL MEDICAL JOURNAL OF INDIA
23	Squamocin, an annonaceous acetogenin, enhances naphthalene degradation mediated by Bacillus atrophaeus CN4	Eduardo A. Parelladaa, Mercedes Igarzaa, Paula Isaccb, Alicia Bardón, Marcela Ferrero, K.L. Ameta, Adriana Neske	Rev Argent Microbiol (Elsevier)
24	Coupled Lucas sequence	Kiran Singh Sisodiya(Bais),Vanda na Gupta,V.H.Badshah	Bulletine of Mathematics and Statistics Research
25	Second order triple Fibonacci sequences and some properties	Kiran Singh Sisodiya(Bais),Vanda na Gupta,V.H.Badshah	International Journal of latest Technology in Engineering Management & Applied Science Jan 2018 editionVII issue 1st

26	Hydrostatic Pressure Sensor Using High Birefringence Photonic Crystal Fibers	N. Ayyanar, D. Vigneswaran, Mohit Sharma, M. Sumathi, M. S. Mani Rajan, S. Konar	IEEE Sensors Journal
27	Modal analysis and cutoff condition of a double-clad archimedean spiral shaped lightguide, JOAM (Romania)	R. Jatan, R. Janma, N. Kumar, and V.Singh	Journal of Optoelectronics and Advanced Materials (Romania)
28	Optics of single cold plasma for photonic applications	P.P. Singh, V.S. Chandel, K.B. Thapa, and N. Kumar	Journal of Science and Arts (Romania)
29	3. Effect of industrial effluents on morphological characters evaluated through green technology in edible vegetables	Navneet Joshi	International Journal of Biology Research
30	Bioremediation of heavy metals and organic pollutants through green technology	Navneet Joshi	International Journal of Advanced Science and Research
31	Comparative Biochemical Profile of Green Vegetables	Navneet Joshi	International Journal of Life Science and Pharma Research

32	History Writing In Manipur	Nongmaithem Robin Singh	Vidyawarta
33	Jhumpa Lahiri's The Namesake: A Study in Marginal Issues and Quest for Identity.	Tyagi, Kavita, and Priti Vyas	Indian Ethos'
34	Developing Soft Skills among Indian Engineering Graduates: Problems and Solutions	Tyagi, Kavita, and Priti Vyas	ELT Voices- International Journal for Teachers of English
35	"Semi-analytic numerical method for solution of time-space fractional heat and wave type equations with variable coefficients""	Rishi Kumar Pandey, Hradyesk Kumar Mishra	Open Physics
36	"Semi-analytic numerical method for solution of time-space fractional telegraph equation""	Rishi Kumar Pandey, Hradyesk Kumar Mishra	New Astronomy
37	Invention of New Paradigms for Women's Identity in Githa Hariharan's The Thousand Faces of Night	Sangeeta Jhajharia	The Criterion
38	Abhorrent Caste In Indian	Sangeeta Jhajharia	IJETSR

	Fiction With Special Reference To Bhabani Bhattacharya's He Who Rides A Tiger		
39	Reinvented Memoir in Arundhati Roy's The God of Small Things	Sangeeta Jhajharia	IJETS
40	Arundhati Roy's The God of Small Things: An Indictment of Patriarchy, Caste System and Christianity	Sangeeta Jhajharia	International Journal of Interdisciplinary Research in Arts and Humanities
41	Drama: Evolution, History and After Journey	Sangeeta Jhajharia	International Journal of Interdisciplinary Research in Arts and Humanities
42	Depression and quality of life of parents of differently-abled children	Shreya Chaudhary & S.K. Srivastava	Indian Journal of Psychology and Education
43	Own a Pet – Stay well and Happy : an exploratory study	Shreya Chaudhary & S.K. Srivastava	Indian Journal of Mental Health
44	Pastoral Literature and As You Like It: An Environmentally Oriented Approach	Shruti Soni	Journal of Rajasthan Association for Studies in English

45	Exploring the Mediating Role of Intellectual Capital and Competitive Advantage on the Relation between CSR and Financial Performance in SMEs	Dr. Priyanka Jain	Social Responsibility Journal
46	Environmentally Concerned Consumer Behavior: Evidence from Consumers in Rajasthan	Pradeep Kautish	Journal of Modelling in Management
47	Synthesis and biological activity of novel 3-(4-methylthio benzene sulfonyl)-2,4-dimethyl/2,4-diphenyl/4-methyl-2-phenyl/2-ethoxy-4-methyl/ 2, 4-diethoxy-1,5-benzothiazepines	S S Chauhan	Iranian Journal of Organic Chemistry
48	Emancipation Through Peace Education – Leveraging Corporate Social Responsibility for Non-Exploitative Social Enlightenment	Dr. Anjali Sharma	Zenith International Journal of Business Economics & Management Research

49	Genetic variability of multifunctional HC-Pro gene of Lettuce mosaic virus in northern region of India	R. Mishra, Verma RK, R.K.Gaur	Indian Phytopathology
50	Synthesis and Antimicrobial activity of Some New N'-Arylidene-4-(3,5-Bis(2-Hydroxyphenyl)-1H-1,2,4-Triazole-1-YL) Benzohydrazides	Vijendra Singh, Kamal Jat, Premlata Gupta & Ruchi Shrivastava	Indian Journal of Heterocyclic Chemistry
51	An efficient synthesis, characterization and biological activity of novel Schiff bases of 2-aryl-1H-benzo[d]imidazole-4-carbohydrazide derivatives	Vijendra Singh, Kamal Jat, Premlata Gupta & Ruchi Shrivastava	Journal of Indian Chemical Society
52	Thevetia Peruviana: A MultiPurpose Medicinal Plant- A Review	<b>Uma Bhardwaj</b>	Int. J.Adv.Res.

Books and chapters in edited volumes published

2017-2018

S.No	Name of the teacher	Title of the book/chapters published	Name of the Conference
1	Dr. Purnima Sharma	Design of a Slotted Square Patch Antenna for 3G and 4G Wireless Communication	International Conference on Advanced Computing Communication Technologies
2	Dr. Rajeev Pourush	Energy Efficient Water Level Controller	International Conference on Renewable Energy & Smart Grid
3	Dr. Rajeev Pourush	Review-A Effect of Rain on Millimeterwave Propagation	International Conference on Renewable Energy & Smart Grid
4	Dr. Rajeev Pourush	Impact of High-K Spacers on Nanometer Scale Junction Less Double Gate MOSFET	International Conference on Computing: Communication, Networks and Security
5	Dr. Satyajit Anand	Automatic Focal Epileptic Seizure Detection in EEG signals	IEEE International WIE Conference on Electrical Engineering and Computer Engineering



6	Dr. Sudhir Y Kumar	Performance Analysis of Solar Photovoltaic System for Electric Vehicles	International Conference on Computing: Communication, Networks and Security
7	Mr. M. K. Paliwal	REVIEW ON LATEST AUTOMOTIVE TECHNOLOGIES	Technology Enabling Modernization of rural India (TMRI-2018)
8	Mukul Kant Paliwal	BARRIERS IN FLOURISHING OF SUSTAINABLE ENERGY RESOURCES IN INDIA	Technology Enabling Modernization of rural India (TMRI-2018)
9	Dr. Priyanka Jain	Financial Inclusion in Digital Economy	5th International Conference on Green, Growth, Globalization and Governance Challenges and Opportunities

Revenue generated from consultancy and corporate training

S.No	Name of the teacher consultant	Name of consultancy project	Consulting/Sponsoring agency with contact details	Year	Revenue generated (INR in Lakhs)
1	School of Architecture	Interior Design work for office at Jajod	Shekhawati project Pvt Ltd	2017-18	60,000

Collaborative activities with other institutions/ research establishment/industry for research and academic development

2017-18

S.No	Title of the collaborative activity	Name of the collaborating agency with contact details	Name of the participant
1	Reviewer	Journal of Information Processing Systems	Dr. A. K. Singh
2	Reviewer	Journal of Intelligent Systems, De Gruyter	Dr. Manish Kumar
3	Reviewer	IEEE	Dr. Suneet Gupta
4	Reviewer	Journal of Technological Advances and Scientific Research	Dr. S. Y. Kumar
5	Reviewer	Journal of Engineering Science and Technology	Dr. Vikas Raina
6	Reviewer	Elsevier	Dr. Vikas Raina
7	Internship	GSI, Darmstadt, Germany	Jayati Vijaywargiya
8	Internship	GSI, Darmstadt, Germany	Charul Rathore
9	Internship	GSI, Darmstadt, Germany	Anushka Tibrewal
10	One Month Certificate program	Carleton University, Canada	Juhi Shrivastava
11	One Month Certificate program	Carleton University, Canada	Divyanshi Garg
12	One Month Certificate program	Carleton University, Canada	Adhishi Pokharna
13	One Month Certificate program	Carleton University, Canada	Vidushi Anand
14	Internship	Adhoc Networks-Redhat Certified	Sakshi Chodudhary
15	Internship	National Informatics Centre Jaipur, Rajasthan	Cyberica Goyal
16	Internship	Rightpoint India Digital Private Ltd.	Sheetal Rathore

17	Internship	Adhoc Networks-Redhat Certified	Ruchi Ahuja
18	Internship	RCPL	Arpita Chakraborty
19	Internship	Oil and natural Gas Corporation Ltd.	Bhatt Alekha Parimal
20	Internship	ERICSSON	Amisha Garg
21	Internship	NHPC LTD.	Aarushi Choudhary
22	Internship	Adhoc Networks-Redhat Certified	Apurva Kapoor
23	Internship	Rajcomp Info Services Limited	Bhavya Vaid
24	Internship	KVCH	Anannya Verma
25	Internship	Tetrahedron	Ayushi Shal
26	Internship	Colleagues Cron IT Solution Pvt. Ltd.	Ashlesha Saxsena
27	Internship	Adhoc Networks-Redhat Certified	Anju Sain
28	Internship	DUCAT	Deepshikha Singh
29	Internship	Indian farmers Fertiliser Co-operative Ltd.	Deepa Mishra
30	Internship	RSWM Ltd.	Bhagyashree Rokadiya
31	Internship	Arxxus Technologies India Pvt. Ltd.	Avani Ranade
32	Internship	Adhoc Networks-Redhat Certified	Ayushi Tyagi
33	Internship	Colleagues Cron IT Solution Pvt. Ltd.	Dimpal Nehra
34	Internship	DUCAT	Astha
35	Internship	LinuxWorld Informatics Pvt Ltd.	Anubha Sharma
36	Internship	Defence Laboratory, Jodhpur	Akshita Sankhla
37	Internship	Spectra Technologies India Pvt. Ltd.	Akshita Vishnoi
38	Internship	National Institute of Electronics and Information Technology	Alka
39	Internship	NHPC Ltd.	Dipika Singhal
40	Internship	APTRON	Srishti Verma

41	Internship	Ypsilon Solution Pvt. Ltd.	Savitri Tiwari
42	Internship	Indian Oil Corporation Limited- Marketing Division	Anukriti
43	Internship	DUCAT	Shailja Barsaiyan
44	Internship	Pologist Consulting	Aakanksha Parashar
45	Internship	IL & FS Technologies Ltd.	Samriddhi Agarwal
46	Internship	Cerebrata S/W Pvt .Ltd.	Shivani Jinger
47	Internship	Rajasthan Electronics & Instrument Limited, Jaipur	Chetali Singh
48	Internship	ERICSSON Pvt. Ltd.	Amisha Garg
49	Internship	Asahi India Glass Ltd.	Anushka Kapoor
50	Internship	IBM	Aastha Sharma
51	Internship	Brainwave Infoed Pvt. Ltd.	Aakansha Paliwal
52	Internship	Triskaidekaphilia Solution Pvt. Ltd.	Shivika Maheshwari
53	Internship	CtrlS Datacenters Ltd.	Roli Trivedi
54	Internship	DCM Shriram Ltd.	Shreya Dutta
55	Internship	Dew Solution Pvt. Ltd.	Saloni Saxena
56	Internship	Concentrix Daksh Services India Pvt. Ltd.	Sakshi Bhargava
57	Internship	TCS iON Digital Learning Hub	Sarvleen Kaur
58	Internship	TATA Power- DDL	Saumya Shandilya
59	Internship	Ardent Computech Pvt. Ltd.	Sneha Agarwal
60	Internship	WebTek Labs Pvt. Ltd.	Silky Sinha
61	Internship	Networkers Home	Sakchi Prasad
62	Internship	Indian Institute Of Hardware & Technology	Sonali Soni
63	Internship	Adhoc Networks-Redhat Certified	Bhavya Verdia
64	Internship	True Code Master	Saloni Bansal
65	Internship	DUCAT	Sonali

			Sachdev
66	Internship	Adhoc Networks-Redhat Certified	Anushka Tiwari
67	Internship	Aditya Birla Group	Shreya Ayush
68	Internship	LS2N	Shraddha Jain
69	Internship	Liquid Hub Analytics Pvt. Ltd.	Riya Agarwal
70	Academic Linkage	Mr. Saurabh Ajay Gupta, Office Chamber No. 79, A.K. Sen Block, Supreme Court Compound, Supreme Court of India, New Delhi	Aaina Bhukar
71	Academic Linkage	Mr. Nisheeth Dixit, Advocate, Jaipur	Ayushi Agarwal
72	Academic Linkage	Mr. Abhinav S. Raghuvansh, Legal Intelligence , New Delhi	Aishwarya Gupta
73	Academic Linkage	Mr. Amit Singh Shekhawat, Advocate, 8-B, Pancholi Vihar, Hem Marg, New Sanganer Road, Sodala, Jaipur (Rajasthan)	Aishwarya Inda
74	Academic Linkage	Mr. Sambhu Dayal, Advocate, Ch. No. 35 B- Block, Rajasthan High Court, Jaipur	Anjali Nawal
75	Academic Linkage	Mr. Kalyan Krishan Bandaru, G-185, 10th Cross, 20th main, G-Block, Sahakar Nagar, Bangalore - 560092	Ankita Chirania
76	Academic Linkage	Mr. Bhupendra Singh Surya, Advocate, Punjab & Haryana High Court, Chandigarh	Annie
77	Academic Linkage	Prof. Dr. Ashok R. Patil, Chair Professor, NLSUI-Bengaluru	Apeksha Chordia
78	Academic Linkage	Mr. Samadhan, 256, Krishma Nagar Jakhan ,Rajpur road Deharadun	Apeksha Chordia
79	Academic Linkage	Mr. Kalyan Krishan Bandaru, G-185, 10th Cross, 20th main, G-Block, Sahakar Nagar, Bangalore - 560092	Ashamita
80	Academic Linkage	Mr. Himat Mevcha, Advocate, Plot.No. -499, Ward 12/C , Lilashah Nagar, Gandhidham-Kutch. Pin-	Bhairvi Dudi

		370201	
81	Academic Linkage	Mr. Rahul Singh Chauhan, Advocate, Gurugram, Block B, District Courts Gurugram, Haryana	Bhawna Dyama
82	Academic Linkage	Mr. Mahendra Singh Dagar, Advocat, Rajasthan High Court, Court Campus Chomu (Rajasthan)	Bhawna Barala
83	Academic Linkage	Mr. Dusmanta Dutta, Administrative Officer, ICFCW, Assam State Branch, G.N. Bordoloi Road, Near Govt. Emporium, Ambari, Guwahati- 781001	Chhaya Sharma
84	Academic Linkage	Mr. Pankaj Khandelwal, Advocate, M-47, Trade Centre, 18, South Tukoganj, Indore 452001 (M.P.)	Deepshikha Mandloi
85	Academic Linkage	Dr. Anmol Rattan Sidhu, Senior Advocate, President, Punjab & Haryana High Court, Bar Association, Chandigarh	Garima Bansal
86	Academic Linkage	Mr. Saurabh Ajay Gupta, Office Chamber No. 79, A.K. Sen Block, Supreme Court Compound, Supreme Court of India, New Delhi	Garima Bhukar
87	Academic Linkage	Mr. Priyesh Kasliwal, Advocate, B- 145/B, Mangal Marg, Bapu Nagar, Jaipur	Gyatri Goswami
88	Academic Linkage	Mr. S.D. Sanjay, Additional General of India Patna High Court, 2nd Floor , 205, Venkatesh Apartment, Budh Marg Ashok Cinema Road, Near Land Development, Bank Patna- 800001	Harshita Agarwal
89	Academic Linkage	Mr. Shiv Sagar Tiwari, Advocate, Ch. No. 322, M C Setalwad Chambers, Supreme Court of India- New Delhi.	Harshita Gupta
90	Academic Linkage	Mr. Subash Grover, Advocate, Hall No. District Courts, Gurgaon	Kashish Panwar

		(Haryana)	
91	Academic Linkage	Mr. Rakesh Munjal, Senior Advocate, C-6, East of Kailash, New Delhi-110065	Lakshita Dadhich
92	Academic Linkage	Justice Amol Rattan Singh, Judge, Kothi No. 1272, Sector 19, Chandigarh- Haryana	Lavita Garg
93	Academic Linkage	Dr. Anmol Rattan Sidhu, Senior Advocate, President, Punjab & Haryana High Court, Bar Association, Chandigarh	Muskan
94	Academic Linkage	Mr. Surat Singh Bhorawal, Advocate, Ch. No. 356, District Courts, Hisar-Haryana	Muskan
95	Academic Linkage	Mr. Saurabh Ajay Gupta, Office Chamber No. 79, A.K. Sen Block, Supreme Court Compound, Supreme Court of India, New Delhi	Navya Singh
96	Academic Linkage	Mr. Pawan Kumar Gupta, Advocate, Delhi High Court, B-10/11 Chankya Complex Subash Chok, Laxmi Nagar, Delhi-110092	Nikita Mittal
97	Academic Linkage	Mr. S.C. Prusty, Registrar, Bhagwan Das Road, New Delhi - 110001	Nikita Mittal
98	Academic Linkage	Mr. Mahveer Singh Lodhi, Advocate, Session Court Bulandshahr, Ch. No. - M-6 - Collectrat Near Dist-Bar Bulandshahr(U.P.)	Nishu Choudhary
99	Academic Linkage	Mr. Anuroop Singh, Advocate, 193, Advocates, Chambers, Block- A, Rajasthan High Court, Jaipur-05	Ayushi Duggad
100	Academic Linkage	Mr. Himat Mevcha, Advocate, Plot.No. -499, Ward 12/C, Lilashah Nagar, Gandhidham-Kutch. Pin-370201	Bhairvi Dudi
101	Academic Linkage	Mr. Dusmanta Dutta, Administrative Officer, ICFCW, Assam State Branch, G.N. Bordoloi Road, Near	Chhaya Sharma



		Govt. Emporium, Ambari, Guwahati-781001	
102	Academic Linkage	Mr. Pankaj Khandelwal, Advocate, M-47, Trade Centre, 18, South Tukoganj, Indore 452001 (M.P.)	Deepshikha
103	Academic Linkage	Mr. Surat Singh Bhorawal, Advocate, Ch. No. 356, District Courts, Hisar-Haryana	Muskan
104	Academic Linkage	Dr. Anmol Rattan Sidhu, Senior Advocate, President, Punjab & Haryana High Court, Bar Association, Chandigarh	Muskan
105	Academic Linkage	Mr. Dileep Kumar, Advocate, 38/1, A.N. Jha Marg, George Town, Allahabad.	Pragati Singh
106	Academic Linkage	Mr. V. Shekhar, Senior Advocate, Supreme Court of India, Vice President, Bar Association of India, K-13 A, L.G. Floor, Green Park Extension- New Delhi-110016	Priyanka Pareek
107	Practical Training	Sarthak Sahil Design, 80/74, Ground Floor, Right Hand Side, Malviya Nagar, New Delhi 110017 01141354211	Gurpreet kaur Kamra
108	Practical Training	Chitte Architects & Associates 101 B Tower Kunj Plaza Vadodara 8469777071	Neha Karamchandani
109	Practical Training	genrev Architronics, C 587 Panki Kanpur nagar, 208020 9958323002	Lakshmi priya
110	Practical Training	Sacred Groves, Auroville, Pondicherry 04132623696	Anees fatma
111	Practical Training	Mahesh Naik Architects, Goa 9822126688	Apala Deshmukh
112	Practical Training	Kaleido, Jaipur 01414031112	Chelsi Swarnkar
113	Internship Training FS-02	Mizoram Forensic Science Laboratory, Aizawl-796001,	Ms. C. Zonunsiami

		Mizoram Phone: 0389-2336131	
114	Internship Training FS-01	Regional Forensic Science Laboratory, Bikaner, Rajasthan	Ms. Richa Sharma
115	Journal Reviewer	Applied Organometallic Chemistry	Dr. Harlal Sigh
116	Journal Reviewer	Dalton Transitions	Dr. Harlal Singh
117	Ph.D Examiner for Other Universities	PhD Examiner of Mr Raj Ramdas- JNU Jaipur	Dr. Keshav Lalit Ameta
118	Collaborative activity with other institutions	Coolaborative Activity- Visit of Argentine researcher- Dr José Ruiz Hidalgo	Dr. Keshav Lalit Ameta
119	Journal Reviewer	journal reviewer	Dr. Kiran Sigh Bais
120	Ph.D Examiner for Other Universities	PhD Examiner at JJTU, Rajasthan India	Dr. Navneet Joshi
121	Chaired Sessions in Conferences/Semina rs	Chaire session at St.Wilfred College, University of Rajasthan	Dr. Navneet Joshi
122	Collaborative activity with other institutions	Collaborative Activity: ICMPAG,DST 2018	Dr. Navneet Joshi
123	Journal Reviewer	Reviewer in Tata McGraw Hill, 978-0-07-014610-5	Dr. Sarita Khaturia

Gender equity promotion programs organized by the institution

2017-18

S.No	Title of the programme	Date and Duration (from-to)	Number of participants by Gender
1	Legal Literacy Camp in Government Primary School Narodra village and RamlilaMaidan	19-Jan-18	23
2	<b>Debate Competition</b> on the topic “Laws alone can Empower Women’: A myth or Reality”	12-Mar-18	34
3	National Seminar on “Legal Empowerment of Women: A Conundrum”	15-Mar-18	350
4	ON WOMEN EMPOWERMENT: RHETORIC VERSUS REALITY	10-11-2017	150
5	Legal Literacy Camp in Government Primary School Khuri Bari village awareness programme on “Sexual harassment of children and their rights”	12-05-2017	25

## MoUs with institutions/ industries

S.No	Name of the Organisation / Institution/ Industry with whom MoU is signed	Year of signing MoU	Duration of MoU	List the actual activities under each MOU year wise	
1	Polytech Nantes, France	June, 2014	5 years	Internship	<b>Students: 07</b>
				Student Exchange	Mr. Martin Foissy
					Ms. Aanchal Agarwal
					Ms. Anukriti Srivastava
					Ms. Shardha Sharma
					Ms. Keerti Gurjar
					Ms. Ekta Yadav
					Ms. Sakshi Srivastava
2	Ecole Des Mines de Nantes,	Feb-13	10 years	Faculty Exchange	<b>Faculty: 01</b>
					Prof. Abdesselam

	France				Abdelouas
3	University of North Texas	October, 2014	6 years	Interaction	<b>Faculty: 01</b>
				Faculty Exchange	Prof. Vijay Vaidyanathan
4	University of North Texas	October, 2014	6 years	Internship	<b>Students: 02</b>
					Ms. Muskan Gupta
					Ms. Aditi Singh
5	Polytech Nantes, France	June, 2014	5 years	Internship	<b>Faculty: 02</b>
				Faculty Exchange	Prof. Rane' Le Gall
					Prof. Razban
					<b>Students: 04</b>
					Ms. Twinkle Baradia
					Ms. Meghna Sharma
					Ms. Kritika Tripathi
	Ms. Shraddha Jain				
6	CSIR-CEERI, Pilani	Apr-14	10 years	Dissertation	<b>Students: 02</b>
					Ms. Surabhi Choudhary
					Ms. Priyanka

					Joshi
7	Ecole Des Mines de Nantes, France	Feb-13	10 years	Faculty Exchange	<b>Faculty: 01</b>
					Prof. Abdesselam Abdelouas
8	Polytech Nantes, France	June, 2014	5 years	Internship	<b>Students: 04</b>
					Ms. Kavita Yadav
					Ms. Supriya Garg
					Ms. Sheetal Gurjar
					Ms. Manvi Mishra
9	CSIR-CEERI, Pilani	Apr-14	10 years	Experimenta l Work	<b>Students: 01</b>
					Ms. Titiksha Joshi
10	University of North Texas	October, 2014	6 years	Interaction	<b>Faculty: 01</b>
				Faculty Exchange	Prof. Kamesh Namuduri