

**ANNUAL
REPORT
2016-17**

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

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.
- Enviably 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.

Chairman's Message



SHRI R.P. MODY
CHAIRMAN

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 Lakshmangarh, 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

2016-17 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. 2016-17 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. The University started publishing International Journal, News Letter. It is not possible to list all the developments and improvements that took place last year, but we would like to pay tribute to the 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.

Table of Contents

Sr. No.	Title	Page No.
1	Introducing the University	i
2	About the University: Vision and Mission	ii
3	Hallmark	iii-iv
4	Chairman's message	v
5	President's Message	vi
6	Preamble	vii
7	Cultural Activities	1
8	Extension and Outreach programs	2
9	Faculty Development Programs	3-4
10	Sports Activities	5
11	Workshops/seminars conducted on Research methodology, Intellectual Property Rights (IPR), entrepreneurship,	6
12	Research, Innovations and Extension: Promotion of Research and Facilities	7
13	National/ International fellowship/financial support	8
14	Student Fellowships	9
15	Grants for research projects	10
16	Awards / Recognitions	11-12
17	Research papers	13-19
18	Books and chapters	20
19	Collaborative activities	21-25
20	Gender equity promotion	26
21	MoUs with institutions/ industries	27-29

Cultural Activities

Session 2016-2017

- On 15th August 2016 the celebration of Independence Day was held in a mesmerizing way in the campus of Mody University.
- ANAHATA-The cultural society of CET conducted an interactive session for all the first year students. The event was conducted on 25th of Aug 2016 in CET lobby area at 10 a.m
- CASH organized the fresher's party on 27th August 2016 from 3 to 8 pm at Tansen Sabhagar (Mini Auditorium)
- 9th – 11th October, 2016 **NAVARATRI CELEBRATIONS** at 10S1 Hostel common room at Mody University
- 08th November 2016 our engineering students participated in 3rd, All India Dance Competition at Maharana Pratap Auditorium, Jaipur.
- MRIDA, the Cultural Society of COBMEC organized a cultural event Tarang on 26th November 2016 in Sangeet Samrat Tansen Sabhagar (Mini auditorium).
- Founder's Day celebrations: A five day long FDC was celebrated from 22nd to 26th January.
- The Republic Day was celebrated by the students of Mody University on 26th January 2017 at 9 A.M.
- 28th to 29th January, 2017 our engineering students participated in **VIVACITY'17**-annual fest at LNMIIT, Jaipur
- An INTERNATIONAL CONFERENCE was organized on 24th to 25th FEBRUARY 2017, at Swami Haridas Sabhagar (Main Auditorium), Mody University.
- Between 5th to 7th April, 2017 CORDINZO'17-Annual Fest was organized at Swami Haridas Sabhagar (Main Auditorium), Mody University.
- Panache: The International Foreign Language Week officially known as Panache (a five –day cultural extravaganza) was celebrated with great euphoria and excitement by the students of whole university in the month of April, 2017.

Extension and Outreach programs

Session 2016-2017

xtension 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	Techniques of Self Defence by KARATE Manasiya 16 JAN
2	NSS	Yoga Session at Manasiya, 17 Jan.
3	NSS	Children's Day Celebration 14th Nov.
4	NSS	Women Health Awareness Camp
5	NSS	Pulse Polio Camp
6	NSS	World Consumer Rights Day- 15th March
7	NSS	National Consumers Day- 24th Dec
8	NSS	World Energy Conservation Day- 14th Dec
9	NSS	Human Rights Day- 10th Dec
10	NSS	International Anti-Corruption Day- 9th Dec
11	NSS	Plastic Free Day 8th Dec
12	NSS	World AIDS Day - 1st Dec
13	NSS	Constitution Day - 26th Nov
14	NSS	International Yoga Day- 21st June
15	NSS	World Environment Day- (5th June)
16	Extension Activity	Blood donation and Health Check-up Camp (26 th March, 2017)

Session 2016-2017

Faculty Development Programs

S.No	Title	Organizer	Date From	Date To
1	Study India Programme (A fourteen day) 13 students from University of Singapore	College of Arts, Science and Humanities	05-12-2016	18-12-2016
2	1st FDP on Research Methodology	College of Business Management, Economics and Commerce	04-07-2016	08-07-2016
3	Emerging Trends in Interdisciplinary Research	College of Arts, Science and Humanities	05-09-2016	09-09-2016
4	FACULTY DEVELOPMENT PROGRAMME (FDP) ON Computational Modeling and Simulation for Applied Sciences	College of Arts, Science and Humanities	08-08-2016	13-08-2016
5	1st FDP on IT Tools for Teaching Pedagogy	College of Business Management, Economics and Commerce	11-04-2016	15-04-2016
6	1st FDP on Contemporary Issues in Management, Economics and Commerce	College of Business Management, Economics and Commerce	04-01-2017	08-01-2017
7	1st FDP on Communication and Interpersonal Skills	College of Business Management, Economics and Commerce	05-06-2017	09-06-2017
8	FDP on “Industrial Design”	College of Fashion Design and Merchandising	13-03-2017	18-03-2017
9	FDP on “Design Empathy”	College of Fashion Design and Merchandising	15-05-2017	20-05-2017

10	FDP on “Fashion Design Process”	College of Fashion Design and Merchandising	17-04-2017	22-04-2017
11	FDP on “Accessory Design”	College of Fashion Design and Merchandising	19-01-2017	24-01-2017
12	1st FDP on Teaching Methodology	College of Business Management, Economics and Commerce	19-09-2016	23-09-2016
13	Recent Advances in Manufacturing and Automation	College of Engineering and Technology	19-12-2016	23-12-2016
14	Recent Trends reforming life science	College of Arts, Science and Humanities	20-03-2017	24-03-2017
15	Five days Faculty development programme on “Nanoscience & Nanotechnology: Challenges and Opportunities”	College of Arts, Science and Humanities	21-11-2016	25-11-2016
16	FACULTY DEVELOPMENT PROGRAMME (FDP) on Recent Trends of Research and Teaching Assessment in Social Science	College of Arts, Science and Humanities	22-03-2016	26-03-2016
17	Recent Trends in Radio-logical Safety and Environmental Considerations.	Department of Nuclear Science and Technology, College of Engineering and Technology	22-05-2017	26-05-2017
18	Pedagogy of Legal Teaching, Research and Assessment	College of Law and Governance	22-08-2016	26-08-2016
19	FDP on Machine learning Methods for Image and video analysis	College of Engineering and Technology	25-07-2016	29-07-2016
20	Science Academies' Refresher Course in Experimental Physics	College of Arts, Science and Humanities	29-12-2016	13-01-2017

Sports Activities

Session 2016-2017

S.NO	EVENT	PLACE	GAMES	PRIZES	DURATION
1	BITS OPEN SPORTS MEET (BOSM - 2016)	BITS - PILANI	ATHELETICS FOOTBALL 4 x 100m Relay Race 100m Race	GOLD: 4 SILVER: 1 BRONZE: 16	15/09/2016 to 19//09/2016
2	SPARDHA'16	IIT BHU	BASKETBALL LAWN TENNIS TABLE TENNIS VOLLEYBALL ATHLETICS BADMINTON	GOLD: 12 SILVER: 21 BEST PLAYER: 2 Overall Girls Champion Trophy	21/10/2016 to 23//10/2016
3	MST'17	MNIT Jaipur	BASKETBALL LAWN TENNIS TABLE TENNIS VOLLEYBALL BADMINTON	GOLD: 24 SILVER: 4 BRONZE: 8	17/02/2017 to 19//02/2017
4	MAITREE 2017	GLA Universtiy	FOOTBALL ATHLETICS	GOLD: 17 SILVER: 7 BRONZE: 1 BEST PLAYER: 1	24/03/2017 to 26//03/2017

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

S.No	Date	Title
1	7th July	Seminar on Patents, Copyrights and Trademarks
2	17th Aug	Seminar on How to Protect research work
3	21st Nov	Workshop on Research Methodology
4	8th Feb	One day seminar on Copy Right Act, Protection, Violation and Measures
5	16th March	Seminar on Entrepreneurship & Intellectual Property Rights
6	15th April	Seminar on Research: Why, How and When
7	24th April	One Day Training Program on Introduction to Indian Patenting Procedures
8	29th April	Seminar on Innovative Projects and Patenting
9	2nd May	One Day Workshop on Research Methodology Cover Topic Importance of Intellectual Property Right (IPR)
10	4th May	Seminar on Innovation and its Protection
11	4th May	Seminar on Research and IPR
12	15th April	Seminar on Patent and Copyright
13	7th March	Seminar on "Intellectual Property Right (IPR)" Awareness Program
14	10th January	Workshop on Innovations And Patent Rights
15	6th May	Seminar on Innovative Approach
16	9th April	Seminar on Patent Filing Process

Research, Innovations and Extension: Promotion of Research and Facilities

Seed money to its teachers for research (average per year INR in Lakhs)

S.No.	Name of the teacher provided with seed money	Status	The amount of seed money (INR in Lakhs)	Year of receiving	Duration(In Years)	Title
1	Dr K L Ameta	Completed	280000	2016-17	1	Synthesis of Some Chalcones and Their Antifeedant Studies
2	Dr K P Sharma	Completed	195000	2016-17	1	Novel Functional foods Innovations with Nutraceutical properties of Prosopis cineraria (L.) Druce

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

Sl. 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	2016-17	SERB,DST
2	Dr. Sanjeev Jakhar	DAAD (German Academic Exchange Service) fellowship	2016-17	IWF Technical University Braunschweig, Germany
3	Dr. Sanjeev Jakhar	Building Energy Efficiency Higher & Advanced Network (BHAVAN) Internship Program, 2017	2016-17	DST-Govt. of India and Indo-US Science and Technology Forum

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

S.No	Name of the Research fellow	Academic Session	Type of the fellowship	Granting agency
1	Amrita Kasotia	2016-17	RGNF for SC/ST candidates for joining MPhil/PhD	RGNF
2	Deepak Sharma	2016-17	Project Assistant in the DSR Sponsored Research Project	DST JRF
3	Rakesh Kumar Verma	2016-17	JRF in DST SERB sponsored project	DBT JRF
4	Monika Sharma	2016-17	Inspire fellowship under Inspire program	DST INSPIRE
5	Sarita Kumari	2016-17	JRF under SERB sanctioned project	DST JRF
6	Rajesh Kumar	2016-17	JRF from BINC	BINC-JRF
7	Chitra Nehra	2016-17	JRF CSIR	CSIR JRF
8	Dr Avinash Marwal	2016-17	PI in DST SERB sponsored project	DST NPDF
9	Rakesh Kumar Verma	2016-17	JRF in DST SERB sponsored project	DST JRF
10	Kratika Gupta	2016-17	UGC NET JRF	UGC JRF

Grants for research projects sponsored by the government agencies

S.N	Name of the Scheme/Project / Endowments/ 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	Molecular Expression of Maize Streak Mastrevirus (MSV) proteins and their role in Infection process	Dr Avinash Marwal	DST, New Delhi	BioScience	2016-2017	3380000	3

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 with contact details
1	2016-17	Best Teacher Award	Dr. Ajay Kumar	Mody University of Science and technology
2	2016-17	Best Teacher Award	Ms. Deeksha Sharma	Mody University of Science and technology
3	2016-17	Best Teacher Award	Dr H L Singh	Mody University of Science and technology
4	2016-17	Best Teacher Award	Dr. Sunita Verma	Mody University of Science and technology
5	2016-17	Best Teacher Award	Mr. Deepak Khandelwal	Mody University of Science and technology
6	2016-17	Best Teacher Award	Ar. Aakash H. Shah	Mody University of Science and technology
7	2016-17	Best Research Award	Dr. A. Senthil	Mody University of Science and technology
8	2016-17	Best Research Award	Dr. R S Solanki	Mody University of Science and technology
9	2016-17	Best Research Award	Dr K P Sharma	Mody University of Science and technology
10	2016-17	Best Research Award	Dr. Priyanka Jain	Mody University of Science and technology
11	2016-17	Best Research Award	Ms. Nita Thakur	Mody University of Science and technology
12	2016-17	Best Research Award	Ar. Sidharth S. Jadon	Mody University of Science and technology
13	2016-17	SILF-MILAT Institution Excellence Award	College of Law and Governance, Mody University of Science and Technology, Rajasthan	Society of Indian Law Firms, Menon Institute of Legal Advocacy Training Contact Details contact@legallyindia.com +91 9004056651

14	2016-17	Research Internship at Technical University Braunschweig, Germany	Dr. Sanjeev Jakhar	Technical University Braunschweig, Germany and Government of Germany
15	2016-17	Travel grant to present a research paper in international conference at Thammasat University, Thailand.	Dr. Sanjeev Jakhar	Department of Science and Technology (DST) Govt. of India, New Delhi
16	2016-17	Basic Scientific Research (BSR) fellowship for research	Dr. Sanjeev Jakhar	University Grant Commission (UGC) New Delhi

Research papers of teachers in the Journals

2016-2017

S.No	Title of paper	Name of the author/s	Name of journal
1	Design of a Slotted Triple Band Triangular Patch Antenna for 3G and WLAN Applications	Purnima Sharma, S.K. Jha and P.P. Bhattacharya	Microwave Review Journal
2	A New CPW-fed Patch Antenna for UWB Applications	Purnima Sharma, S.K. Jha and P.P. Bhattacharya	Journal of Telecommunications and Information Technology
3	Effect of analysis and design phase factors on testing of object oriented software	Sanjeev Patwa	IEEE Xplore
4	Optimization of Material Removal Rate in End Milling of Al2024-SiCp Metal Matrix Composite using Taguchi Technique	Atul Kumar, Sudhir Kumar, Rohit Garg	SYLWAN
5	Recent advancements in prosthetic hand technology	Angana Saikia, Sushmi Mazumdar, Nitin Sahai, Dinesh Bhatia, Sudip Paul, Punit Kumar Rohilla, Suresh Verma	Journal of Medical Engineering & Technology, Taylor and Francis online
6	Comparative study and feature extraction of the muscle activity patterns in healthy subjects	Angana Saikia, Sushmi Mazumdar, Nitin Sahai, Dinesh Bhatia, Sudip Paul	2016 3rd International Conference on Signal Processing and Integrated Networks (SPIN)
7	MODELING AND SIMULATION OF ELECTROCHEMICAL SUPERCAPACITOR FOR HIGH POWER DELIVERY	Thoudam Paraskumar Singh and Sudhir Y Kumar	International Journal of Advanced Research
8	Analysis of Ultracapacitor for High Power Applications	Thoudam Paraskumar Singh and Sudhir Y Kumar	International Journal of Emerging Technology and Advanced

			Engineering
9	Performance Comparison of Homogeneous and Heterogeneous 3D Wireless Sensor Networks	Ranjana Thalore Partha Pratim Bhattacharya M. K. Jha	Journal of Telecommunications and Information Technology
10	Performance Improvement of 3D WSNs Using Mobile Super Nodes	Ranjana Thalore Partha Pratim Bhattacharya	Mody University International Journal of Computing and Engineering Research
11	A Review of Various Routing Protocols in VANET	Rajashree Dutta Ranjana Thalore	International Journal of Advanced Engineering Research and Science
12	Performance comparison of AODV and DYMO routing protocols for boundary detection in 3D wireless sensor networks	Aditi Pandey Ranjana Thalore	International Journal of Advance Research, Ideas and Innovations in Technology
13	Boundary Detection in 2-D and 3-D Wireless Sensor Networks	Aditi Pandey Ranjana Thalore	International Journal of Advanced Engineering Research and Science
14	Spectral, DFT and Antibacterial Studies of Tin(II) Complexes of Schiff Bases derived from Aromatic Aldehyde and Amino Acids	S. Bhanuka and H.L. Singh	Rasayan J. of Chemistry
15	SYNTHESIS, SPECTROSCOPIC AND MOLECULAR STUDIES OF LEAD(II) COMPLEXES OF SCHIFF BASES DERIVED FROM 4-METHOXYBENZALDEHYDE AND AMINO ACIDS	S. Bhunuka and H.L. Singh	Rasayan J. of Chemistry
16	Synthesis, spectroscopic, and theoretical studies of tin(II) complexes with biologically	H.L. Singh	Main Group Metal Chemistry

	active Schiff bases derived from amino acids		
17	Synthesis and spectral, antibacterial, molecular studies of biologically active organosilicon(IV) complexes	H.L Singh, J.B. Singh and S. Bhanuka	Journal of the Association of Arab Universities for Basic and Applied Sciences
18	Synthesis, spectral, DFT and antimicrobial studies of tin(II) and lead(II) complexes with semicarbazone and thiosemicarbazones derived from (2-hydroxyphenyl)(pyrrolidin-1-yl ...	H.L. Singh, J.B. Singh and S. Bhanuka	Journal of Coordination Chemistry
19	Isomorphism of Undirected Plane Graphs Using Marcov Chain	Jitendra Binwal	International Journal of Mathematical Sciences & Engineering Research
20	Enzymatic Synthesis of Gallic acid from Tannic acid with an Inducible Hydrolase of Enterobacter spp.	Sharma KP, John PJ, Goswami P, Soni M.	Biocatalysis and Biotransformation
21	Does Nap Differentially Modulate Object Specific Recognition Memory?	Kedarmal, Suman Dhaka, Naveen Kashyap	Recent Advances in Psychology: An International Journal
22	Montmorillonite K10 catalyzed efficient synthesis of some 4'-nitrochalcones and their 1, 3, 5-triaryl-2-pyrazolines and in vitro antimicrobial evaluation	K. L. Ameta, Nitu S. Rathore, Maya Kumari, Priyanka Khyaliya, R. R. Dangi, Eduardo A Parellada and Adriana Neske	Iranian Journal of Organic Chemistry
23	Synthesis of Some Novel Fused Substituted 3-(4-substitutedphenyl)-6,6-diphenyl-3,3a dihydroimidazo[2',1':2,3][1,3] thiazolo[4,5-c][1,2] isoxazoles	R. R. Dangi, Maya Kumari, Priyanka Khyaliya, Eduardo A Parellada and Adriana Neske and K. L. Ameta	Iranian Journal of Organic chemistry
24	Use of pure and N, S-codoped	Jyoti Sharma and K.	Orient. J. Chem

	bimetallic cerium cadmium oxide nanoparticles as photocatalyst for the photodegradation of Fast green	L. Ameta	
25	N-S Codoped Cerium -Cobalt Oxide Bimetal Nanoparticles Catalyzed Photodegradation of Brilliant Green and Fast Green	Jyoti Sharma and K L Ameta	Asian Journal of Chemistry
26	Natural and Derivatized Acetogenins Promising for the Control of Spodoptera frugiperda Smith	Ruiz Hidalgo, J., Parellada, E.A., Di Toto Blessing, L., Bardón, A., Ameta, K.L., Vera, N. and Neske, A.	Journal of Agricultural Chemistry and Environment
27	Research	Asish Kumar, Narendra Kumar and Khem B. Thapa	The Eur. Phys. J. Plus, Springer Nature, Springer-Verlag GmbH, (Springer)
28	Modal propagation characteristics of a W-type cardioids waveguide Optik (Germany)	R. Jatan, R. Janma, V.Singh, and N. Kumar	Optik (Elsevier)
29	In-vitro antioxidative potential of different fractions from Prunus dulcis seeds: vis a vis antiproliferative and antibacterial activities of active compounds.	Dhingra N, Sharma R, Kar A.	South African Journal of Botany
30	Insights into The Mechanism of Natural Terpenoids as Nf-kb Inhibitors: An Overview on Their Anticancer Potential.	Jain H, Dhingra N, Narsinghani T, Sharma R.	Experimental Oncology
31	7. Bioaccumulation of heavy metals analysis in vegetables grown by irrigated waste water of dravyawati river at Jaipur, India	Navneet Joshi, Kailash chandra sharma	The Bioscan
32	Impact of school based physical education programme on children attending special school	N vyas, k raja, s gupta	WCPT
33	Women's Development and Gender Justice: A Study on Tribal	DR. SIBABRAT DAS & DR.	International Journal of Education,

	Women's Education in Odisha	RAMESH CHANDRA NAYAK	Technology and Social Media
34	"Homotopy Analysis Fractional Sumudu Transform Method for time fractional third order dispersive partial differential equation"	Rishi Kumar Pandey, Hradyesk Kumar Mishra	Advances in computational mathematics
35	Stress in rural and urban adolescents	Shreya Chaudhary and S.K. Srivastava	International Journal of Research in Social Sciences (IJRSS)
36	Sea of Poppies: A Portrait of the waves of Ecocriticism	Shruti Soni	Gnosis: An international refereed journal of English Language and Literature
37	Green Concerns and The Glass Palace	Shruti Soni	Gnosid: An International Journal of English Language and Literature
38	Aquifer Vulnerability Assessment in the Bengal alluvial tract, India, using GIS based DRASTIC Model	Tathagata Ghosh & Rolee Kanchan	Modeling Earth System and Environment
39	Factors Determining the Customer's Satisfaction for E-Tourism: Factor Analysis Approach	Rajesh Sharma	Journal of Marketing Vista
40	Construct Validity and Preferential Values: Mutual Fund as Investment Avenue	Priyanka Jain	SCMS Journal of Indian Management
41	Corporate Social Responsibility and Financial Performance in SMEs: A Structural Equation Modeling Approach	Priyanka Jain	Global Business Review
42	Transient viscosities of negatively buoyant concentrated alumina suspensions	S S Chauhan	Asia-Pacific Journal of Chemical Engineering
43	Molecular evidence of Chili vein mottle virus and Chilli leaf curl	R K Gaur	Indian Journal of Biotechnology

	virus simultaneously from naturally infected chilli (<i>Capsicum annum</i>).		
44	Genetic Variability of the Replicase (Nib) Gene of Papaya Ringspot Virus in Northern India Indicates Common Ancestry with Isolates from China and Taiwan	R K Gaur	Journal of Plant Pathology
45	Right to Education	Aditi Sharma	Journal of legal studies
46	Genetic variability of the replicase (Nlb) gene of papaya ringspot virus in Northern India indicates common ancestry with isolates from China and Taiwan	Verma RK, Mishra R, and Gaur RK	Journal of plant pathology
47	Visible light induced photocatalytic mineralization of methylene green dye using BaCrO ₄ photocatalyst	Vijendra Singh, Brijesh Pare, Premrata Gupta & SB Jonnalgadda	Indian Journal of Chemical Technology
48	Characterization and Antimicrobial Activity of Green synthesis Silver and gold Nanoparticle from Zizyphus against clinical bacteria	Uma Bhardwaj	International Journal of Pharma and Bio Sciences
49	RNA Interference in Dentistry: A Critical Review	Uma Bhardwaj	International Journal of Pharma and Bio Sciences
50	Evaluation of potent hydro-alcoholic extract of leaves of <i>Azadirachta Indica</i> for isolation and identification of anti-helminthic compound	Uma Bhardwaj	International Journal of Medical Research & Health Sciences
51	Isolation and identification of amarogentin as an antihelminthic compound in <i>Swertia chirayta</i>	Uma Bhardwaj	Journal of Chemical and Pharmaceutical Research
52	Molecular Line Probe Assay for the Detection of Multi Drug Resistant Tuberculosis and Comparison of Results with Conventional Solid Culture and	Uma Bhardwaj	Indian Journal of Applied Research, Medical Science

	Drug Susceptibility Testing		
53	Phytochemical evaluation and GC-MS analysis of thevetia peruviana leaves extract	Uma Bhardwaj	International journal, Elixir Bio. Tech.
54	Synthesis, Characterization and Evaluation of Antimicrobial Effect of Chitosan Conjugated Silver Nanotechnology Against pathogenic Bacteria and their Biomedical Application	Uma Bhardwaj	International Journal of Advanced research
55	Evaluation Of Serum Ferritin, CRP, Vitamin D3, Vitamin B12 And Iron In Celiac Disease: A Cross Sectional Study	Uma Bhardwaj	International Journal Of Medical Laboratory, Res

Books and chapters in edited volumes published

2016-2017

Name of the teacher	Title of the book/chapters published
Dr. Keshav Lalit Ameta	Recent progress on one-pot multicomponent reaction for pyridine synthesis
Kumar Sambhav Pareek	E-Governance in India: Problems, Prototypes and Prospects
Kumar Sambhav Pareek	E-Governance in India: Problems, Prototypes and Prospects
R K Gaur	Perspectives of Plant Pathology in genomic era

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

2016-17

S.No	Title of the collaborative activity	Name of the collaborating agency with contact details	Name of the participant
1	INSEN Annual Meeting	IAEA, Vienna, Austria	Prof. N. K. Joshi
2	Students Visit	National University of Singapore	13 students from NUS visited under Study India Programme
3	Faculty Visit	National University of Singapore	Dr. A. S. Rao
4	INSEN Annual Meeting	IAEA, Vienna, Austria	Prof. N. K. Joshi
5	Research Work	Inst. of Biomedical Sciences, Bhundelkhand University, Jhansi	Dr R K Gaur (Mody University) and Dr Rambir Singh, (BU Jhnasi)
6	International Collaboration Vist	UNT, Tucuman, Argentina	Dr Adriana Monica Neske
7	International Collaboration Vist	UNT, Tucuman, Argentina	Dr Jose Ruiz Hidalgo
8	International Collaboration Vist	UNT, Tucuman, Argentina	Dr Eduardo Alberto Parellada
9	Reviewer	Elsevier	Dr. A. K. Singh
10	Reviewer	Inderscience Journals	Dr. A. K. Singh
11	Editorial Board	IJEC	Dr. S. Y. Kumar
12	Internship	KIT, Germany	Vandana Sharma
13	Internship	KIT, Germany	Nishita Singh Parmar
14	Internship	KIT, Germany	Arunima Thappa
15	Nuclear Security	Texas A&M University, Sandia	Khushboo

	Training Series	National Laboratories, Oak Ridge National Laboratory, INMM, Georgia, USA	Khandal
16	Nuclear Security Training Series	Texas A&M University, Sandia National Laboratories, Oak Ridge National Laboratory, INMM, Georgia, USA	Charu Sharma
17	Nuclear Security Training Series	Texas A&M University, Sandia National Laboratories, Oak Ridge National Laboratory, INMM, Georgia, USA	Kajal Jain
18	Nuclear Security Training Series	Texas A&M University, Sandia National Laboratories, Oak Ridge National Laboratory, INMM, Georgia, USA	Rachana Pathak
19	Academic Linkage	Mr. Atul Choudhary, Advocate, District Court Campus, Sikar (Rajasthan)	Aaina Bhukar
20	Academic Linkage	Ms. Richa Kapoor, Advocate on Record Supreme Court 407, Lawyers Chambers (4th Floor) Delhi High Court, Ser Sah Road, New Delhi - 110003	Aishwarya Gupta
21	Academic Linkage	Mr. Mohit Kumar Shah, Advocate- on-Record, Supreme Court of India, 207, C.K. Daphtary Chambers at Tilak Lane, New Delhi-110001	Aishwarya Singh
22	Academic Linkage	Mr. Bharat Ola, Advocate, Rajasthan High Court, Jaipur	Anjali Nawal
23	Academic Linkage	Mr. Mohit Kumar Shah, Advocate- on-Record, Supreme Court of India, 207, C.K. Daphtary Chambers at Tilak Lane, New Delhi-110001	Apeksha Chordia
24	Academic Linkage	Dr. Vijay Kumar Choudhary, Advocate & Solicitor, "Vijay Place" E-2/244, Area Colony, Near Habibganj Rly Stn., Bhopal - 462016(M.P.)	Archana Sharma
25	Academic Linkage	Mr. Vinod Kumar Sharma, Advocate, Rajasthan High	Bhawna Barala

		Court,Court Campus Chomu (Rajasthan)	
26	Academic Linkage	Mr. Anant Bhatanagar, General Secretary, 48, Van Vihar Colony, Opp. Nirala Rajasthan, Tonk Road, Jaipur	Diprana Sengupta
27	Academic Linkage	Mr. Chanchal Yadav, Advocate, Ch. No. 328, Near Gate No. 9, District Court Complex, Gurugram	Garima Bansal
28	Academic Linkage	Mr. Sunita Sheokand, Advocate, Ch. No. 119, District Courts Complex Hisar, Haryana	Garima Bansal
29	Academic Linkage	Mr. Avadesh Kausal, Chairperson, 68/1, Surya Lok Colony, Rajpur Road Road, P.O. Box No. Dehradun - 248001	Garima Bhukar
30	Academic Linkage	Mr. Johnson Myalil, Immigration Attorney, 12030 Sunrise Valley Drive Suite 160 Reston VA 20191	Garima Yadav
31	Academic Linkage	Ms. Gyatri Rathore, Advocate, 2350, Third Crossing, Nahargarh Road, Jaipur (Rajasthan)	Lakshita Dadhich
32	Academic Linkage	Ganu & Company, Advocates, Sunil B Ganu, 201-202, Vipanchi Estate, 3-5-874/A, Hyderguda, Hyderabad, 500029, Telgana, India	Lavita Garg
33	Academic Linkage	Mr. Ranjan Gupta, Advocate, Ch. 61, Block, A, Distt, Courts Gurugram Haryana	Nidhi Malik
34	Academic Linkage	Mrs. Sunanda R. Kumbhat, Advocate, Office No. -204, II Floor, Sir Vithaldas Chambers, 16, Bombay Samachar Marg, Opp. State Bank of India, Mumbai -400023	Ayushi Duggad
35	Academic Linkage	Mr. Johnson Myalil, Immigration Attorney, 12030 Sunrise Valley Drive Suite 160 Reston VA 20191	Gyatri Goswami
36	Academic Linkage	Mr. Mohit Kumar Shah, Advocate-on-Record, Supreme Court of India,	Harshita Agarwal

		207, C.K. Daphtary Chambers at Tilak Lane, New Delhi-110001	
37	Academic Linkage	Mr.Harkesh Kumar Sharma, Advocate, Court Campus Tijara, Distt. - Alwar (Raj.) -301411	Priyanka Pareek
38	International Visiting Scholar	Khon-Kaen University, Thailand	Dr K L Ameta
39	Ph.D. Examiner	Jaipur National University	Dr. K. L. Ameta
40	International Workshop on 'Synthetic Biology for New/Improved Food Products': A solution for food security'.	CAS-TWAS Centre of Excellence for Biotechnology, China and Kasetsart University, Thailand.	Poornima Saraswat
41	Ph.D Evaluation	Dr. AK Sharma, 9412860070, KN Mody University, Newal	Sunita Verma
42	Journal Reviewer	Journal reviewer	Dr. Brajraj Singh
43	Journal Reviewer	Journal Reviewer of British microbiology research journal	Dr. Harish Kumar Dhingra
44	Journal Reviewer	Journal of Coordination Chemistry	Dr. Harlal Singh
45	Chaired Sessions in Conferences/Seminars	Chaired Session at International conference FCASI- Frontiers at the Chemistry - Allied Sciences Interface on "Heterogeneous catalyzed synthesis of chalcone derived bioactive heterocycles" at CAS, Department of Chemistry, UOR, Jaipur. (April 25-26, 2016)	Dr. Keshav Lalit Ameta
46	Journal Reviewer	Journal Reviewer-- Advisory Board	Dr. Keshav Lalit Ameta
47	Journal Reviewer	Journal Reviewer	Dr. Narendra Kumar
48	Chaired Sessions in Conferences/Seminars	Chaired a technical session on the "Sub-Theme: Rights of Women with Disability" in the National Seminar on "Constraints Faced by Differently Aabled Women in their Access to Services and Education in India", organized by Holy Cross Institute of	Dr. Ramesh Chandra Nayak

		Management and Technology, Calicut, Kerala in association with National Commission for Women, New Delhi on 10th June, 2016.	
49	Chaired Sessions in Conferences/Seminars	Chaired a technical session on the “Sub-Theme: Rights of Women with Disability” in the National Seminar on “Constraints Faced by Differently Abled Women in their Access to Services and Education in India”, organized by Holy Cross Institute of Management and Technology, Calicut, Kerala in association with National Commission for Women, New Delhi on 10th June, 2016.	Dr. Ramesh Chandra Nayak
50	Collaborative activity with other institutions	collaborative activity	Dr. Sarita Khaturia

Gender equity promotion programs organized by the institution

2016-17

Title of the programme	Date and Duration (from-to)	Number of participants by Gender
GENDER EQUITY: WOMEN'S HUMAN RIGHTS AND VIOLENCE AGAINST THEM	22/10/2016	220
Inter-College Debate Competition on "Death Sentence to Rapists is Neither Just Nor Right" .	16-Sep-16	35

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	Students: 07
				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, France	Feb-13	10 years	Faculty Exchange	Faculty: 01
					Prof. Abdessalam Abdelouas

3	University of North Texas	October, 2014	6 years	Interaction	Faculty: 01
				Faculty Exchange	Prof. Vijay Vaidyanathan
4	University of North Texas	October, 2014	6 years	Internship	Students: 02
					Ms. Muskan Gupta
					Ms. Aditi Singh
5	Polytech Nantes, France	June, 2014	5 years	Internship	Faculty: 02
				Faculty Exchange	Prof. Rane' Le Gall
					Prof. Razban
					Students: 04
					Ms. Twinkle Baradia
					Ms. Meghna Sharma
					Ms. Kritika Tripathi
					Ms. Shraddha Jain
6	CSIR-CEERI, Pilani	Apr-14	10 years	Dissertation	Students: 02
					Ms. Surabhi Choudhary
					Ms. Priyanka Joshi
7	Ecole Des	Feb-13	10 years	Faculty	Faculty: 01

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