



**ANNUAL
REPORT
2020-21**

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.
- 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.

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

This Annual Report for 2020-21 highlights the current state of Mody University of Science and Technology and its achievements over the past one year. We are glad to say that the progresses made in the last year are in-line with the priorities defined in the University Strategic Plans. During 2019-20, the MUST is finalizing last phase of accreditation by IET, UK for all engineering departments after successful completion of advisory visit. During this session, the report highlights the following:

Incentives to teachers

Teachers receiving national/ international fellowship/financial support

Extramural funding for Research

Number of awards / recognitions received for research/innovations

Grants for research projects sponsored by the government agencies

Patents published/awarded

Research, Innovations and Extension: Promotion of Research and Facilities Seed money to its teachers for research.

Besides it, in the current academic year, as whole world is facing COVID-19 pandemic situation, MUST started for online teaching learning process to provide better education during complete lockdown.

Table of Contents

Sr. No.	Title	Page No.
1	Introducing Mody University	i
2	About the University	ii
3	Hallmarks	iii-iv
4	Chairman's Message	v
5	President's Message	vi
6	Preamble	vii
7	Cultural Activities	1-2
8	Extension and Outreach programs	3-4
9	Faculty Development Programs	5-6
10	NCC Activities	7
11	Workshops/seminars	8
12	Research, Innovations and Extension: Promotion of Research and Facilities Seed money to its teachers for research	9-10
13	Teachers receiving national/ international fellowship/financial support	11
14	JRFs, SRFs, Post-Doctoral Fellows, Research	12
15	Extramural funding for Research	13-15
16	Grants for research projects sponsored by the government agencies	16
17	Number of awards / recognitions received for research/innovations	17-19
18	Incentives to teachers	20-23
19	Patents published/awarded	24-27
20	Research papers of teachers in the Journals	28-38
21	Books and chapters in edited volumes published	39-47
22	Revenue generated from consultancy and corporate training	48
23	Awards received by the Institution, its teachers and students	49
24	Collaborative activities with other institutions/ research	50-53
25	Gender equity promotion programs organized by the institution	54
26	MoUs with institutions/ industries	55-58

Cultural Activities

Session 2020-2021

- On 2nd November, 2020 (Monday) “Walk the hallway like the runway” Fashion show was organized to showcase couture. In the same month, Music Sessions were serially presented.
- Poster making Competition and Virtual Farewell was organized in 2020.
- Semi Classical Dance Competition was organized by SLAS on 1st Dec.2020 (Tuesday)
- Indian Brides Fashion Show was organized by SLAS on 28th Dec.2020 (Monday)
- Folk Dance Competition was organized by SLAS on 23rd Jan.2021 (Saturday)
- Republic Day was celebrated at Mody University on 26th January,2021.
- Between 26th January to 5th February, 2021, an Orientation and Recruitment drives were realized.
- On 6th February,2021 ZEST was organized.
- Mody University Jointly Celebrated International Women’s Day from 1st to 8th March 2021
within University Campus at Lakshmanagarh, Rajasthan in collaboration with Romanian American University and Anadolu University.
- To keep the spirit of our traditional teaching method, Department of Arts, School of Liberal Arts and Sciences, organized **Spelling Bee Competition** for our budding thoughts, First Yearers, on 5th March, 2021.
- On the occasion of International Women’s Day, Department of Arts, School of Liberal Arts and Sciences organized **Mehendi Competition** on 8th March to celebrate the hues of happiness.
- College of Law, Mody University organized Farewell party for final year students on 11th March 2021.
- International Dance day was organized on 29th April,2021.
- Amidst the lockdown and pandemic in order to promote the safety of all individuals, the students of School of Law, Mody University organized a webinar on 3rd May 2021 aiming
“Concerning fallacies in action in COVID-19 Pandemic”.

- International Yoga day was observed on 21st June 2021. Farewell for passing out students was organized online in the month of June 2021. Various In-house activities were conducted between July,2020-June,2021.

MODY UNIVERSITY

Extension and Outreach programs

Session 2020-2021

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	NSS ORIENTATION PROGRAMME
2	NSS	TREE PLANTATION
3	NSS	PAMPHLET MAKING COMPETITION
4	NSS	Society Cleaning: Reduction of use of Plastic
5	NSS	DISTRIBUTION OF HAND SANITIZERS, & FACE MASKS
6	NSS	AWARENESS ABOUT MALARIA
7	NSS	AWARENESS ABOUT WATER CONSERVATION
8	NSS	Covid day
9	NSS	World Environment Day
10	NSS	International Development Week
11	NSS	World Environment day
12	NSS	Online Activity
13	NSS	Online Activity
14	NSS	Tree Plantation in the town lakshmangarh, sikar
15	NSS	Bag Stitching:
16	NSS	Yoga Poses:
17	NSS	Motivation for Organic Farming:
18	NCC	Jallianwala Bagh massacre
19	NCC	Essay Writing competition
20	NCC	Yoga awareness program
21	NCC	National Sports day celebration
22	NCC	Kargil Vijay Diwas
23	NCC	Awareness of the covid
24	NCC	Articl writing competition

25	NCC	World environment day
26	NCC	Annual Training Camp
27	NCC	Drill competition
28	NCC	Firing competition
29	NCC	Group singing competition
30	NCC	Group dance competition
31	NCC	National Integration awareness programm
32	NSS	Gandhi Jyanti Celebration
33	NSS	Elocution Competition
34	NSS	Public Speaking
35	NSS	Teacher's Day Celebration
36	Extension Activity	Tree/shrubs plantation
37	Extension Activity	Karuna Club Awareness Program
38	Extension Activity	Karuna Club Mask Making and Distribution Event
39	Extension Activity	Help in Need
40	Extension Activity	Wheat Distribution
41	Extension Activity	Tree Shrubs Plantation Drive

Faculty Development Programs

Session 2020-2021

S.No	Title	Organizer	Date From	Date To
1	5th FDP on Communication and Interpersonal Skills	School of Business	01-12-2020	05-12-2020
2	Department of ECE organized One Week FDP on Recent Trends in Electronics and Communication Engineering	School of Engineering and Technology	2-11-2020	6-11-2020
3	5th FDP on IT Tools for Teaching Pedagogy	School of Business	03-02-2020	07-02-2020
4	Five Day Faculty Development Programme for Non Teaching Staff on "CAREER DEVELOPMENT IN CHEMISTRY"	School of Liberal Arts & Sciences	03-11-2020	07-11-2020
5	Online FDP on "Design Research"	School of Design	05-04-2020	10-04-2020
6	Intellectual Property rights and Methodology	School of Liberal Arts & Sciences	06-07-2020	10-07-2020
7	5th FDP on Teaching Methodology	School of Business	07-09-2020	11-09-2020
8	Ethics in Scientific Research and Publications	School of Liberal Arts & Sciences	07-09-2020	11-09-2020
9	5th FDP on Research Methodology	School of Business	07-12-2020	11-12-2020
10	Enhancing Psychological Skills for Teaching	School of Liberal Arts & Sciences	11-07-2020	15-07-2020
11	Teaching Pedagogy in Contemporaray	School of Law	08-02-	12-

	Times: Effective Process and Tools		2021	02-2021
12	Online FDP on “CAD for Textile Design”	School of Design	08-02-2021	13-02-2021
13	5th FDP on Contemporary Issues in Management, Economics and Commerce	School of Business	08-03-2021	12-03-2021
14	Online FDP on "Optitex"	School of Design	12-07-2021	17-07-2021
15	Industrial Applications of Nuclear Technology	School of Engineering and Technology	13-07-2020	17-07-2020
16	Nuclear Waste Management and its necessary Concern	School of Engineering and Technology	14-06-2021	18-06-2021
17	Advanced Techniques of Power Electronics in Renewable Energy System	School of Engineering and Technology	14-12-2020	18-12-2020
18	Optimization Techniques and applications in Engineering (With Hands on Session using Excel)	School of Engineering and Technology	14-12-2020	18-12-2020
19	ONLINE FACULTY DEVELOPMENT PROGRAMME (FDP) ON Scientific Tools: Latex, MATLAB and Python	School of Liberal Arts & Sciences	16-11-2020	21-11-2020
20	Artificial Intelligence in Biomedical Applications: Fundamentals and Hands on	School of Engineering and Technology	26-04-2021	30-04-2021
21	Department of CSE organized One Week FDP on Artificial Intelligence and its Applications	School of Engineering and Technology	31-05-2021	04-06-2021

NCC Activities

Session 2020-2021

- An awareness Camp about COVID-19 was held on 2 May 2021 to know the Impact of Corona on Poor people and assured them to help always them in this Pandemic
- An Online Yoga Session was conducted on 4 May 2021 to tell the Importance of Yoga
- An Essay Writing Competition was organized on topics Recycling of Plastic towards **Green India or Vaccination** on 5 July 2021.
- On 26 July 2021 “**Kargil Vijay Diwas**” was celebrated and Slogan Making Competition was organized
- An Article Writing Competition was organized with in the theme covered under “**Azaadi Ka Amrit Mahotsav**” on 31 July 2021
- NATIONAL SPORTS DAY was observed on 29-08-21.
- Mody University cadets attended ANNUAL TRAINING CAMP to 29 September 2021

Session 2020-2021

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

S.No	Date	Title
1	02nd , August, 2020	Does a member of parliament or assembly have immunity for criminal acts in the house
2	22nd, October, 2020	Whether we have an indirect discrimination against women
3	28th, August, 2020	Right against media trial
4	25th, February, 2021	Whether right to silence is constitutional right
5	18th January, 2021	Failure and success of POCSO act
6	23rd, April, 2021	International conference on Public outrage for minority rights
7	20-12-2021	Sustainable development
8	25-01-2021	Happy and empowered women

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	Durati on(In Years)	Title
1	Dr K L Ameta & Dr Shivendra Singh	Ongoing	297000	2020-21	2	Synthesis of charge transfer chromophores from cycloadditions of TCNE to substituted alkynes
2	Dr H L Singh and Dr Sarita Khaturia	Ongoing	291000	2020-21	2	Synthesis of New Medicinally Important Heterocyclic Compounds and Their Metal complexes
3	Dr. Rajesh Sharma	Ongoing	100000	2020-21	1	Do economies endeavours complement sustainability goals in the emerging economies of South and South East Asia
4	Prof. BS Rathore	Ongoing	125000	2020-21	2	Panorama of womwn entrepreneurship in India with special reference to MSME sector
5	Prof Manish Didwana	Ongoing	90000	2020-21	1	Impacts of goods and services tax (GST) on Textile Industry of Bhilwara (Rajasthan)
6	Dr. Sukhvir Singh and Mr. Deepak Khandel	Ongoing	380000	2020-21	1	Design and Development of Garments and Accessories Collection Inspired from Motifs Used in Traditional Textile for Modern Consumers

	wal					
7	Dr R S Chundawat and Ms. Poornima saraswat	Ongoing	130000	2020-21	2	Use of milk fermentations to improve protein and calcium bioavailability of minor millets
8	Prof. Uma Bhardwaj and Dr Rakesh Kumar Verma	Ongoing	1375000	2020-21	3	Identification of plant molecular factors triggered by interaction with endophytes associated with desert plants

MODY UNIVERSITY

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	Dr. Sanjeev Jakhar	ARO Post Doctoral Fellow	2020-21	Aagriculture Research Organization, Israel

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

<u>S.No</u>	Name of the Research fellow	Academic Session	Type of the fellowship	Granting agency
1	Bhupendra Singh	2020-21	JRF	UGC CSIR
2	Vikas Kumar Verma	2020-21	JRF	UGC CSIR
3	Sunita	2021-22	JRF	UGC JRF

Extramural funding for Research (Grants sponsored by the non-government sources such as industry, corporate houses, international bodies for research projects)

S. N.	Name of the Scheme/Project/Endowments/Chairs	Name of the Principal Investigator/Co Investigator (if applicable)	Name of the Funding agency	Status	Type (Government/Non-Government)	Department	Year of Award	Funds provided (INR in Rs)	Duration of the project
1	Design and Development of Jute-Cotton Blended Products Range based on FAE Model for Promising Market Potential	Dr. Sukhvir Singh (PI), Prof. Rishi Raj Kapoor (COPI)	DALHO USIE JUTE COMPANY	Ongoing	Non-Govt	School of Design	2020-21	300000	8 Months
2	Synthesis of Some Bioactive Heterocycles Using Nanocatalytic Framework	Prof. K. L. Ameta (PI)	Hindustan Chemical Company	Ongoing	Non-Govt	SLAS	2020-21	242000	10 Months

3	Applicati on of Work study in a Manufact uring Industry of solid core, hollow, railway and disc insulators and electricals company, Bhopal	Dr. Atul Kumar	Hindust an Urban Infrastru ctures Ltd.	Ongoi ng	Non-Govt	SET	2020- 21	35800 0	1 year
4	Chip collection and disposal system for turning operations of the insulator base in a manufact uring industry of solid core, hollow, railway and disc insulators namely insulators and	Dr. Atul Kumar	Hindust an Urban Infrastru ctures Ltd.	Ongoi ng	Non-Govt	SET	2020- 21	38900 0	1 year

	electricals company, Bhopal								
5	Industry	Dr K P Sharma	Dalhousie Jute Company	Ongoing	Non Government	SLAS	2020	500000	Six months

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	Analysis, Design and Development of Low Cost Cold Storage for Selected Agriculture Products based Fully on Solar and Geothermal Energy	Dr. Sanjeev Jakhar (Co-PI)	DST, New Delhi	Engineering	2020-2021	0	2 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 with contact details
1	2020-21	Best Teacher Award	Dr. Jeetu Sharma	Mody University of Science and technology
2	2020-21	Best Teacher Award	Ms. Navna Singh	Mody University of Science and technology
3	2020-21	Best Teacher Award	Prof.(Dr.)Jitendra Binwal	Mody University of Science and technology
4	2020-21	Best Teacher Award	Dr. B S Rathore	Mody University of Science and technology
5	2020-21	Best Teacher Award	Mr. Sushil Kumar Bishnoi	Mody University of Science and technology
6	2020-21	Best Teacher Award	Ar. Mahesh Kumar	Mody University of Science and technology
7	2020-21	Best Research Award	Dr. Anand Sharma	Mody University of Science and technology
8	2020-21	Best Research Award	Ms. Megha Middha	Mody University of Science and technology
9	2020-21	Best Research Award	Dr Naveen Dhingra	Mody University of Science and technology
10	2020-21	Best Research Award	Dr. Rajesh Sharma	Mody University of Science and technology
11	2020-21	Best Research Award	Dr. Sukhvir Singh	Mody University of Science and technology
12	2020-21	Best Research Award	Ar. Payal Gupta	Mody University of Science and technology
13	2020-21	Academic Excellence Award 2021 in recognition of valuable contribution to the academic	Prof.(Dr.) Jitendra Binwal	InSc

		community and the students		
14	2020-21	Best Researcher Award	Dr. Naveen Dhigra	VDGOOD
15	2020-21	Best Oral Presentation (Title of Presentation: COCKTAIL OF SPIKE PROTEIN mRNA FOR DEVELOPMENT OF VACCINE AGAINST SARS-COV-2 VARIANTS: A HYPOTHESIS)	Dr. Naveen Dhigra	Conference: INTERNATIONAL VIRTUAL CONFERENCE ON COVID 19 PANDEMIC: ROLE, RESPONSIBILITIES AND CHALLENGES
16	2020-21	India Prime Professors Teachers Researchers Award	Dr. Shivendra Singh	FoxClues Pvt. Ltd
17	2020-21	Young Research Award 2021	Dr. Shivendra Singh	InSc
18	2020-21	Young Scientist Award	Dr. Shivendra Singh	Career Point University Kota
19	2020-21	Certificate of Appreciation for Translation of the Course Engineering Mechanics	Mr. Vikrant Sharma	IIT Madras
20	2020-21	Certificate of Appreciation for Translation of the Course Microwave Integrated Circuits	Dr. Satyjit Anand	IIT Madras
21	2020-21	Winner on IEEE Day	IEEE Student Branch	IEEE, New Delhi chapter
22	2020-21	ARO Postdoctoral Fellowships - India and China	Dr. Sanjeev Jakhar	Ministry of Agriculture and Rural Development, Israel
23	2020-21	Software Programming	Ku Khushee Maheshwari	Hindustan kalyan Losh, Kolkatta
24	2020-21	Data Science	Ku Harshita Das	Hindustan kalyan Losh, Kolkatta
25	2020-21	Machine Learning	Ms. Satakshi Singh	Shree Nishi Kosh, Kolkatta

26	2020-21	Data Science	Ms. Sukriti Shah	Madhu Seva Nidhi, New Delhi ,India
27	2020-21	Buisness Management	Mr. Sumit Kulshrestha	Madhu Seva Nidhi, New Delhi ,India
28	2020-21	Bioscience	Dr. R.S. Chundawat	Madhu Seva Nidhi, New Delhi ,India
29	2020-21	Computational Epidemiology	Dr. A. Senthil	Shree Nishi Kosh, Kolkatta
30	2020-21	Green and Sustainable Chemistry	Dr. K.L. Ameet	Mangalam Jain Kalyan Samiti, New Delhi
31	2020-21	Energy Economics	Dr. Rajesh Sharma	Mangalam Jain Kalyan Samiti, New Delhi
32	2020-21	Machine Learning	Dr. Puneet Kumar	Mangalam Jain Kalyan Samiti, New Delhi
33	2020-21	Systems Biology	Dr. Anukriti	UTRGV, State University Texas

Incentives to teachers who receive state, national and international recognitions/awards

2020-21

S.No.	Department	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or Government recognised bodies	Name of the Awarding Agency
1	SLAS	Dr.K.L.Ameta	Professor	Chaired session in 11th International Conference on Multi-functional Materials and Applications (ICMMA 2020), held on November 26-27th, 2020	Sun Moon University, Korea
2	SLAS	Dr.K.L.Ameta	Professor	Delivered invited talk on "Synthesis of Bioactive Heterocycles Using Nanocatalytic Framework" at 11th International Conference on Multi-functional Materials and Applications (ICMMA 2020), Held on November 26-	Sun Moon University, Korea

				27th, 2020	
3	SLAS	Dr.K.L.Ameta	Professor	Certificate of recognition in research work	Mangalam Jan Kalyan Samiti, New Delhi
4	SLAS	Prof.(Dr.)Jitendra Binwal	Professor	Academic Excellence Award 2021 in recognition of valuable contribution to the academic community and the students	Institute of Scholars
5	SLAS	Prof.(Dr.)Jitendra Binwal	Professor	Chaired Session in International Conference on Smart Innovations for Society-ICSIS-2021(August,21-22), Organized by Department of Applied Science,	Poornima Institute of Engineering and Technology, Jaipur, Raj.
6	SLAS	Prof.(Dr.)Jitendra Binwal	Professor	Chaired Session in 2 nd National Conference on Recent Advancement in Physical sciences' jointly organized by Department of Chemistry,	NIT, Uttarakhand during December 19-20,2020, Sponsored by TEQIP-III.(Online Mode).

				Department of Physics & Department of Mathematics,	
7	SLAS	Dr.Naveen Dhingra	Asst. Professor	Best Teacher Award	ICFAI Business school, ICFAI University(Dehradun)
8	SOB	Mr. Sumit Kulreshtha	Asst. Professor	Certificate of appreciation	Madhu Seva Nidhi, New Delhi
9	SLAS	Prof.Uma Bhardwaj	Professor & Dean	Certificate of Recognition as a Guest Speaker	Moxie Lab Pvt.Ltd.,UP
10	SET	Dr. Rajeev Pourush	Associate Professor	Certificate of Chairing the Session	Rajasthan Technical University, Kota & Arya Institute of Engineering Technology & Management, Jaipur
11	SET	Dr. Rajeev Pourush	Associate Professor	Certificate of Recognition as a Guest Speaker	Government Engineering College, Bikaner
12	SOB	Dr. Rajesh Sharma	Associate Professor	Certificate of recognition in research work	Mangalam Jan Kalyan Samiti, New Delhi
13	SET	Dr. Puneet Kumar	Associate Professor	Certificate of recognition in research work	Mangalam Jan Kalyan Samiti, New Delhi
14	SLAS	Dr.R.S. Chundawat	Asst. Professor	Certificate of appreciation	Madhu Seva Nidhi, New Delhi

15	SET	Dr. A. Senthil	Professor	Certificate of appreciation in computational of research work	Shree Nidhi Kosh, Kolkata
16	SOD	Dr. Smriti Agarwal	Professor	Life time member	Indian Textile Association
17	SET	Dr. Rajeev Pourush	Associate Professor	Certificate of recognition as a Keynote speaker	Arya Institute of Engineering Technology & Management, Jaipur
18	SOD	Dr. Smriti Agarwal	Professor	Life time Fellow Member	International Institute of organized research
19	SET	Dr. Jeetu sharma	Assistant Professor	IEEE Senior Member	IEEE Delhi Section
20	SET	Dr. Jeetu sharma	Assistant Professor	Emerging Student Branch Award	IEEE Delhi Section

Patents published/awarded

2020-21

S.No.	Name of the Teacher	Patent Number	Title of the patent	Year of Award / publish of patent
1	Prof. K. L. Ameta	2021103847	Bismuthino for biomedical applications and its analytical synthesis thereof	25-08-2021(G)
2	Dr.Naveen Dhingra, Dr. Ravindra Bhardwaj and Dr. Uma Bhardwaj(Indian Patent)	Patent App. No. 202021030325A	LIQUID ALCOHOL BASED SKIN SANITIZING SOLUTION WITH ANTIVIRAL PROPERTY	04-09-2020
3	Ms. Sonu (Indian Patent)	Patent App. No. 20211009913	Mood monitoring system and method there of	19-Mar-21
4	Pandya, I. Y., Sharma Renuka, Joshi Navneet, Kaur Mandheer, Mushtaq Muntazir, Sharma Aruna(Indian Patent)	Patent App. No. 202121027473	A hybrid deep neural network system for genes expression classification	16-07-2021(P)
5	Dr Senthil (Indian Patent)	Patent App. No. 202111020828	WATER LEAKAGE MONITORING AND MANAGEMENT IN SMART DRIP IRRIGATION	07-05-2021
6	Dr. Atul Kumar and Mr. Vikrant Sharma	Patent App. No. 202141025104.	<i>“System for controlling</i>	16-07-2021(P)

	(Indian Patent)		<i>Various crop harvest activities using Big Data Analytics based Machine Learning and IOT"</i>	
7	Dr. Atul Kumar(International-Australian Patent)	Patent App. No. 2021103400	Machine Learning And Artificial Intelligence Based Intelligent Controlling And Monitoring System For An Automatic Air Conditioner	2021103400(A)
8	Dr. Atul Kumar and Mr. Vikrant Sharma (Indian Patent)	Patent Application No. 202121023756	Smart System For Personal Protective Equipment (PPE) Wearers To Provide Cool Fresh Air Using Artificial Intelligence & Machine Learning	26-11-2021(P)
9	Kiran singh Bais et.al.	345487001	Guidance and Feedback System for Malls	30-06-2021
10	DR. A.K. Singh	202111045485	SECURE AUTOMOBILE PARKING SYSTEM	15-10-2021
11	Dr. Atul Kumar	Patent Application No. is 202111055001	"REAL-TIME INTELLIGENT SYSTEM FOR PERSONALISED HOSPITALITY	03-12-2021(P)

			SERVICE FOR HOTEL GUESTS USING MACHINE LEARNING".	
12	Dr. Navneet Joshi	202141031206A	<i>System and method of biogas production-a household bio gas digesters</i>	16-7-2021(P)
13	Dr. Atul Kumar, Dr. Rajeev Pourash, and Dr. Satyjeet Anand	202111055748	INTELLIGENT SYSTEM FOR THE PREVENTION OF SECURITY ATTACKS ON ARTIFICIAL PACEMAKER HEALTH DATA RECORDS BASED ON ARTIFICIAL INTELLIGENCE	10-12-2021(P)
14	Dr. Vikas Raina ,Dr. M. Sharma, Dr. Jeetu Raina, Dr. Somil Jain, Dr. Sandeep Kumar,Dr.Ajay Kumar, Dr. Rajesh Yadav	202111056270	Internet of things and block chain enabled portable device for monitoring location and health animals	10-12-2021(P)
15	Dr. Atul Kumar et.el.	202111056883	“SMOKE DETECTION AND MONITORING THROUGH ADVANCED SENSORS AND IOT IN CLOUD-BASED	17-12-2021(P)

			INTELLIGENT SYSTEM"	
16	Dr. Naveen Dhingra	202121022929	A hebal anti viral composition	13-08-2021(P)

MODY UNIVERSITY

Research papers of teachers in the Journals

2020-2021

S.No	Title of paper	Name of the author/s	Name of journal
1	IoT Security Architecture with TEA for DoS Attacks Prevention	Vishal Sharma, Anand Sharma	Advances in Information Communication Technology and Computing
2	A NOVEL COMPARISON OF CONSENSUS ALGORITHMS IN BLOCKCHAIN	VISHAL SHARMA and NIRANJAN LAL	Advances and Applications in Mathematical Sciences
3	Assessment of alumina/water nanofluid in a glazed tube and sheet photovoltaic/thermal system with geothermal cooling	Sanjeev Jakhar, Mukul Kant Paliwal	Journal of Thermal Analysis and Calorimetry
4	A framework based on BWM for big data analytics (BDA) barriers in manufacturing supply chains	1. Sharma, V., Kumar, A., & Kumar, M.	Materials Today: Proceedings
5	Analysis of Barriers to Green Manufacturing Using Hybrid Approach: An Investigatory Case Study on Indian Automotive Industry	Pathak, S. K., Karwasra, K., Sharma, V.	Process Integration and Optimization for Sustainability
6	Modeling the interactions among critical criteria of a cellular manufacturing system	3. V. Sharma, B. D. Gidwani, V. Sharma and M. L. Meena	IEEE Engineering Management Review
7	Prediction of breast cancer using machine learning	Somil Jain, Puneet Kumar	Recent Advances in Computer Science and Communications
8	Performance Enhancement of De-Duplication in Cloud Environment	Dinesh Mishra, Sanjeev Patwa	Dogo Rangsang Research Journal
9	Adoption of Artificial Intelligence in Industrial Sectors and Its Impact	Somil Jain, Puneet Kumar	Artificial Intelligence and Global Society:

			Impact and Practices (Taylor and Francis)
10	Second law analysis of an integrated parabolic trough photovoltaic thermal system	Nikhil Gakkhar, Manoj K. Soni and Sanjeev Jakhar	In AIP Conference Proceedings
11	xModelling and simulation of photovoltaic thermal cooling system using different types of nanofluids	Sanjeev Jakhar, Mukul Kant Paliwal and Atul Kumar	Advances in Air Conditioning and Refrigeration, Springer
12	Machine Learning based Diagnostic System for Early Detection of Parkinson's Disease	Angana Saikia, Vinayak Majhi, Masaraf Hussain, Amit Ranjan Barua, Sudip Paul, J.K. Verma	2020 International Conference on Computational Performance Evaluation (ComPE)
13	Theft Security System for Automatic Teller Machines Using IoT	Vinay Verma, Anjali Verma ,Gaurav sharma ,Anand sharma	Advances in Information Communication Technology and Computing 2019
14	SAML enabled Single Sign-On (SSO) Multifactor Authentication (MFA) in Cloud Computing	Rajesh Yadav, Anand Sharma	Solid State Technology
15	Healthcare Data Security on Cloud Computing During COVID-19 Pandemic	Rajesh Yadav, Anand Sharma	International Journal of Future Generation Communication and Networking
16	Multi-layer Authentication Technique for Medical Image Authentication in Cloud Computing	Rajesh Yadav, Anand Sharma	Machine Intelligence and Smart Systems, Algorithms for Intelligent Systems
17	Performance Estimation of a Wireless Sensor Network with a Mobile Sink Moving in Different Trajectories at Different Velocities	Vikas Raina Ranjana Thalore Jeetu Sharma	Recent Patents on Computer Science
18	ArchiTextile: A Review on Application of Textiles in Architecture	Prof. Ar. Rishi Raj Kapoor and Dr. Sukhvir Singh	Journal of Textile Apparel Technology and Management

19	Development of a Collection of Garments Inspired by the Hawa Mahal Historical Monument	Dr. Sukhvir Singh	Tekstilec
20	Study of denim jeans fabric on finishing process and characteristic performances	Dr. Sukhvir Singh, Ramratan, Rohit Kumar	Asian Textile Journal
21	A case study on fair compensation to hand embroidery workers in India	Sushil Kumar Bishnoi, Shikha Kapoor	Research Journal of Textile and Apparel
22	Topological and system-level protein interaction network (PIN) analyses to deduce molecular mechanism of curcumin	Anupam Dhasmana, Swati Uniyal, Anukriti, Vivek Kumar Kashyap, Pallavi Somvanshi, Meenu Gupta, Uma Bhardwaj, Meena Jaggi, Murali M. Yallapu, Shafiul Haque & Subhash C. Chauhan	Scientific Reports-Nature
23	Micro-array Analysis of Cold Tolerant Tomato Expressing <i>Nicotiana tabacum</i> Osmotin	Vikas Yadav Patade, Atul Grover, Anukriti, Sanjay Mohan Gupta, M. Nasim	Proceedings of the National Academy of Sciences, India Section B
24	Deciphering the Influence of Cigarette Smoke Carcinogens on CNS Associated Biomolecules: A Computational Synergistic Approach	QMS Jamal, AH Alharbi, Anupam Dhasmana, Anukriti, F Albejaidi, M Sajid	CNS & Neurological Disorders - Drug Targets
25	Exploration of Indian Culture in Sudha Murthy's Mahashweta	Vanshika, Ashok Singh Rao	Mukt Shabd Journal (UGC Care Listed Group-1)
26	Submission and Sacrifice of Women: In the Birthmark and Oval Portrait	Shweta Mour, Ashok Singh Rao	Alochana Chakra Journal (UGC Care Listed Group-1)
27	Bioethanol production from industrial paper wastes using native strains of <i>Saccharomyces</i>	Reema Ningthoujam and Dr. Harish Kumar Dhingra	Annals of Biology

	cerevisiae		
28	Design, Spectroscopic Characterization and Theoretical Studies of Organotin(IV) and Organosilicon(IV) Complexes with Schiff Base Ligands Derived from Amino Acids	S. Bhanuka, S. Kathuria, M. Chahar and H.L. Singh	Asian Journal of Chemistry
29	Synthesis of New Schiff Base of 1,3-Oxazine and 1,3-Thiazine Derivatives Derived from 4-Phenyl Substituted Chalcones and Evaluation of their Antibacterial Activity	A. Sharma, S. Khaturia and H.L. Singh	Asian Journal of Chemistry
30	Graph Invariant of Isomorphism in terms of Decyclization and Pebbling	Jitendra Binwal and Aakanksha Baber	Wesleyan Journal of Research
31	Modeling and Simulation of Quantum Memory Management Problem with Impetus of Graph Isomorphism, Graph Decyclization and Graph Pebbling	Jitendra Binwal and Aakanksha Baber	International Journal of Future Generation Communication and Networking
32	Pebbling Number of $C_5 \times C_5 \times C_5$	Jitendra Binwal and Aakanksha Baber	International Journal of Advanced Science and Technology
33	A Review Study of Mathematical Induction and Pigeonhole Principle with Applications	Jitendra Binwal and Madhu	The Journal of the Indian Academy of Mathematics,
34	A Review Study of Attributes of Real Numbers with Applications	Jitendra Binwal and Preeti Sheoran	The Journal of the Indian Academy of Mathematics
35	Effect of Prosopis cineraria (L) Druce Pods and Camel Milk for Nutritional Enrichment in Traditionally Fermented Minor Millet's Drink	Poornima Saraswat, ParasYadav , Rakesh Verma, R K Gaur, Rajesh Kumar, Sharma KP	International Journal of Gastronomy and Food Science
36	In-vitro biotransformation of tea using tannase produced by Enterobacter cloacae 41.	Govindarajan R K, Khanongnuch C, Mathivanan K, Shyu DGH, Sharma K P	Journal of Food Science and Technology

		and Mandal S J	
37	False Memories for Semantic and Category Associates: Comparing Retrieval Strategies and Retention Interval	Kedarmal Verma, Naveen Kashyap	Psychological Thought
38	FDA-approved antiviral and anti-infection agents as potential inhibitors of SARS-CoV-2 main protease: an in silico drug repurposing study	Mohammad Z.Ahmed, Qamar Zia, Anzarul Haque, Ali S. Alqahtani, Omar M. Almarfadi, Saeed Banawas, Mohammed S. Alqahtani, Keshav L. Ameta, Shafiul Haque	Journal of Infection and Public Health
39	Diverse Routes for the Synthesis of Indole-Fused Complex Architecture from Simple Molecules	Shivendra Singh, Suresh Singh Chauhan, Neeraj Kumar Sharma, Sunil Dutt and Keshav Lalit Ameta	Mini-Reviews in Organic Chemistry
40	Cysteine rich antimicrobial peptides from plants: The future of antimicrobial therapy	Shilpi Srivastava, Kavya Dashora, Keshav Lalit Ameta, Nagendra Pratap Singh, Hesham Ali El-Enshasy, Marcela Claudia Pagano, Abd El-Latif Hesham, Gauri Dutt Sharm,a Minaxi Sharma and Atul Bhargava	Phototherapy Research (Wliey)
41	Compact MIM plasmonic ring resonator for nano-interconnect applications	Manoj Mishra, Mohit Sharma, and Prachi Gupta	Physica E: Low-dimensional Systems and Nanostructures
42	GA-SMLR-Based QSAR Modeling and Molecular Docking Studies of Bisamidine Derivatives as NMT Inhibitors	Sapna D, Mandloi D, Bajaj A, Dhingra N.	International Journal of Quantitative Structure-Property Relationships

43	Biochemical characterization and dye decolorization of selective microbial isolates from natural sources	Saloni Soni, Shellina Khan and Navneet Joshi*	Current Trends in Biotechnology and Pharmacy
44	EFFECT OF CONTAMINATED IRRIGATION WATER ON EXTERNAL MORPHOLOGICAL CHARACTERS IN EDIBLE VEGETABLES	NAVNEET JOSHI	PLANT CELL BIOTECHNOLOGY AND MOLECULAR BIOLOGY
45	EP4 receptor as a novel promising therapeutic target in colon cancer	Vahid Karpisheh, Navneet Joshi*, Angelina Olegovna Zekiy, Farhad Jadidi-Niaragh	Pathology research and practice
46	Study of bio-materials for removal of the oil spill	Eduart Wolok, Jamal Barafi, Navneet Joshi*, Rossella Girimonte & Sudip Chakraborty	Arabian Journal of Geosciences
47	Silencing STAT3 enhances sensitivity of cancer cells to doxorubicin and inhibits tumor progression.	Navneet Joshi*, Farnaz Hajizadeh, FarhadJadidi-Niaragh	Life sciences
48	PLANT GROWTH POTENTIAL OF SALT TOLERANT ENDOPHYTE Pseudomonas Sihuiensis ISOLATED FROM CHICKPEA	Navneet Joshi*, Laxmi Choudhary, Kanti Prakash Sharma, Hafiz M.N. Iqbal	Journal of Experimental Biology and Agricultural Sciences
49	Dialectics of Ostracism and Identity Expedition in the Select Postcolonial Literary Texts.	Dr. Priti Vyas	Ad Litteram: An English Journal of International Literati December
50	First report of papaya leaf curl virus and its associated papaya leaf curl betasatellite infecting Catharanthus roseus plants in India	Avinash Marwal, Chitra Nehra, Rakesh Kumar Verma, Megha Mishra, Deepika Srivasatava, Priyanka Choudhary	The Journal of Horticultural Science and Biotechnology

		& R.K. Gaur	
51	In silico analysis of chili encoded miRNAs targeting Chili leaf curl begomovirus and its associated satellite Article(s)	Mishra M, Kumar R, Verma RK, Gaur RK	Journal of Applied Biology and Biotechnology
52	Biology and interaction of the natural occurrence of distinct monopartite begomoviruses associated with satellites in Capsicum annum from India.	Mishra M., Verma, R.K., Marwal, A., Sharma, P., Gaur R.K.	Frontiers in Microbiology
53	Investigating Dementia in William Shakespeare's King Lear	Sangeeta Jhajharia	KALA: THE JOURNAL OF INDIAN ART HISTORY CONGRESS
54	Diverse route to access fused-indole: Complex architecture from simple molecule	Singh S., Chauhan S. S., Sharma N. K., Dutt S., Ameta K. L.	Mini-reviews in Organic Chemistry
55	Synthesis of novel substituted pyrazoles and isoxazoles containing 1,4-benzodi-oxane sulfonyl moiety	Chhakra S., Malhotra G. S., Singh S., Chauhan S. S.	Rasayan Journal of Chemistry
56	Application of geospatial technique in identification of cropping pattern and cropping intensity in central Gujarat, India	Sukanta Kumar Saha, Tathagata Ghosh and Rolee Kanchan	Transactions of Institute of Indian Geographers
57	SEASONAL PATTERN OF GROUNDWATER GEOCHEMISTRY USING MULTIVARIATE STATISTICAL TECHNIQUE IN THE BENGAL ALLUVIAL TRACT, INDIA	Tathagata Ghosh and Rolee Kanchan	Purakala
58	Effect of Prosopis cineraria (L) druce pods and camel milk for nutritional enrichment in traditionally fermented minor millet's drink	Poornima Saraswat, Paras Yadav, Rakesh Kumar Verma, R.K. Gaur, K.P. Sharma	International Journal of Gastronomy and Food Science
59	Understanding the dynamism of	Rajesh Sharma	International Journal

	electricity consumption in India: an empirical examination		of of Economic Policy in Emerging Economies
60	Do the international economic endeavors affect CO2 emissions in open economies of South Asia? An empirical examination under nonlinearity	Rajesh Sharma	Management of Environmental Quality
61	Linkages between Financial Development and Economic Growth in the Middle-Income Countries of South Asia: A Panel Data Investigation	Rajesh Sharma	Vision: The Journal of Business Perspective
62	Examining the nonlinear impact of selected macroeconomic determinants on FDI inflows in India	Rajesh Sharma	Journal of Asia Business Studies
63	Examining the nonlinear impact of coal and oil based electricity production on CO2 emissions in India	Rajesh Sharma	The Electricity Journal
64	Examining the impacts of economic and demographic aspects on the ecological footprint in South and Southeast Asian countries	Rajesh Sharma	Environmental Science and Pollution Research
65	Impact of economic and financial development on carbon emissions: evidence from emerging Asian economies	Rajesh Sharma	Management of Environmental Quality
66	Values, sustainability consciousness and intentions for SDG endorsement	Rajesh Sharma	Marketing Intelligence & Planning
67	Analyzing nonlinear impact of economic growth drivers on CO2 emissions: Designing an SDG framework for India	Rajesh Sharma	Energy Policy
68	Does financial development reinforce environmental	Rajesh Sharma	Environmental Science and

	footprints? Evidence from emerging Asian countries		Pollution Research
69	Does renewable energy consumption reduce ecological footprint? Evidence from eight developing countries of Asia	Rajesh Sharma	Journal of Cleaner Production
70	Research Paper on Exploring Talent Management Practices: Antecedents and Consequences	Meenaksh Sharma, B.S. Rathore	International Journal of Management (IJM)
71	The effect of assortment and fulfillment on shopping assistance and efficiency: an e-tail servicescape perspective	Rajesh Sharma	Journal of Retailing and Consumer Services
72	A study of adjustment among learning disabled children in relation to their gender	Kriti Vashishtha	Managing Stress among Engineering Students
73	Managing Stress among Engineering Students	Kriti Vashishtha	High Technology Letters Journal
74	Synergistic role of bacterial consortium to biodegrade toxic dyes containing wastewater and its simultaneous reuse as an added value	Navneet Joshi, Uma Bhardwaj, Shellina Khana ,Hafiz M.N. Iqbal	Chemosphere
75	Gallic Acid Analogues with Antibreast Cancer and Antioxidant Action: Synthesis and Pharmacological Assessment. (Accepted)	Naveen Dhingra	ACTA PHARMACEUTICA HUNGARICA
76	A Review Study of New Numerical Methods for Solving Differential Equations with Impetus of Inter Disciplinary Applications with MATLAB	Jitendra Binwal, Arvind Maharshi , and Anita Mundra	Turkish Journal of Computer and Mathematics Education Karadeniz Technical University E-ISSN 1309-4653
77	t pebbling properties satisfies C5XC5XC% graphs	Jitendra Binwal and Aakanksha Baber	Turkish Journal of Computer and Mathematics Education Karadeniz

			Technical University E-ISSN 1309-4653
78	Bis- and mono-substituted Chalcones exert anti-feedant and toxic effects on fall armyworm <i>Spodoptera frugiperda</i>	Ahanthem Priyanca Devi, Ahmad Alsulimani, Jose R. Hidalgo, A. Neske, R. Z. Sayyed, Keshav Lalit Ameta	Accepted. Saudi J. Biol
79	CuO Nanocatalyzed Improved Synthesis of Some 2-Aminopyrimidines	Ahanthem Priyanca Devia and Keshav Lalit Ameta	Orbital-The Electronic Journal of Chemistry. June 2021
80	Arbitration and Conciliation Act, 1996: The Scenario After Amendments	Megha Middha	White Black Legal
81	Role of Commercial Banks in Financing Small Scale Industries	Megha Middha	Lex Jura Law Journal
82	Witness Protection Scheme- 2018, Key Highlights	Aditi Sharma	International Journal for legal Research and analysis
83	Good Governance- Checkpost to a fair legal system	Aditi Sharma	Journal for legal Research and analysis
84	Women Empowerment in India	Aditi Sharma	White Black Legal
85	Witness Protection with respect to International Scenario and Judicial Pronouncements	Aditi Sharma	Law Audience Journal
86	Witness Protection with respect to International Scenario and Judicial Pronouncements	Aditi Sharma	Law Audience Journal
87	<u>Prevalence of Depression on College Students and Effectiveness of Bhagavad Gita for Imbibing Universal Management Skills</u>	Sunita Thalor, Priti Vyas	Linguistica Antverpiensia
88	Efficacy of core stability and supervised hip strengthening on knee osteoarthritis: a Randomized study protocol	Sonali Guliya, Aksh Chahal, Asir John Samuel	Journal of physiotherapy research

89	A web -Based Survey on CoVID-19 Pandemic and its Impact on Physical, Recreational, Mental Health and Socio economic Factorrrsonthe General Population of india	Vandana Esht , Shana Quraishi, Harshita Rajan Ghosalker, Sorabh Sharma , Gerish Atri	Bioscience Biotechnology Research communication
90	A Review on Advanced Oxidation Processes (AOPs) for Wastewater Remediation	Vijendra Singh, Brijesh Pare, Premlata Gupta & SB Jonnalgadda	Asian Journal of Chemistry
91	Omnidirectional Reflectance of Superconductor-Dielectric Photonic Crystal in THz Frequency Range.	G.N. Pandey, B. Suthar, Narendra Kumar,, and K. B. Thapa	Springer: J Supercond Nov Magn
92	To Explore the Factors that the Clothing Choice of Working and Non-Working Indian Women”	Prof Smriti Agarwal	Journal of Xidian University
93	“To Study Of The Different Influences Of Color On Aspects Of Human Behavior	Prof Smriti Agarwal	Indian Journal of Natural Sciences
94	Study on Effect of Modern Day to Day Technology on Human Lifestyle,	Prof Smriti Agarwal	
95	2-(phenyl)-4H -chromen-4 ones: green synthesis, charaterization, in vitro antifungal evaluation and molecular docking approach toward Aspergillus furnigatus	KL Ameta et. El.	Current research in Green and Sustainable chemistry

Books and chapters in edited volumes published

2020-21

S.No	Name of the teacher	Title of the book/chapters published	Title of the paper	Title of the proceedings of the conference
1	Dr. Brajraj Singh	High Tc Superconductors: An Ab initio Theoretical Model	NA	NA
2	Dr. Harish Kumar Dhingra	An Overview of Microbial Derived Polyhydroxybutyrate (PHB): Production and Characterization	NA	NA
3	Dr. Harlal Singh	NA	Solar-based hybrid renewable energy plants	WEENTECH Proceedings in Energy 7 (1) (2021) 49-65
4	Dr. Jitendra Binwal	Advs in Intelligent Syst., Computing, Vol. 1287, Manoj Sahni et al. (Eds): Mathematical Modeling, Computational Intelligence Techniques and	NA	NA

		Renewable Energy		
5	Dr. Jitendra Binwal	A Study of Directed Graph and Related Computer Programming	NA	NA
6	Dr. Jitendra Binwal	Mathematical Modeling of Some Aspects of Digraphs with Impetus of Isomorphism, Decyclization and Pebbling	NA	NA
7	Dr. Keshav Lalit Ameta	Hydroxytriazenes and Triazenes: The Versatile Framework; Synthesis and Medicinal Applications	NA	NA
8	Dr. Mohit Sharma	Photonic Crystal Fibers for Supercontinuum Applications	NA	NA
9	Dr. Naveen Dhingra	Role of Mathematics in Computational Biology	NA	NA
10	Dr. Rakesh Kumar Verma	The interaction between begomoviruses and host proteins: Who determines the pathogenicity of	NA	NA

		begomoviruses		
11	Dr. Sarita Khaturia		Solar-based hybrid renewable energy plants	WEENTECH Proceedings in Energy 7 (1) (2021) 49-65
12	Dr. Sarita Khaturia	Introduction to AI Techniques for Renewable Energy System Chapter 12: Energy Efficiency Har Lal Singh, Sarita Khaturia ¹ and Mamta Chahar	NA	NA
13	Dr. Shivendra Singh	“Renewable Energy System for Sustainable Development”	NA	NA
14	Mr. Mayank Kumar Dubey	General principles of Criminal law and Forensic studies/Differences between Suicidal, Homicidal and Accidental wounds	NA	NA
15	Mr. Mayank Kumar Dubey	Handbook of DNA Profiling/DNA Profiling in Forensic Odontology	NA	NA
16	Aditi Kajala	Transfer Learning with Convolution	NA	Transfer Learning with

		Neural Networks Models: An Evolutional Comparison		Convolution Neural Networks Models: An Evolutional Comparison
17	Atul Kumar	Modelling and simulation of photovoltaic thermal cooling system using different types of nanofluids	NA	NA
18	Jeetu Sharma	Utilizing Artificial Intelligence to Design Delay and Energy-Aware Wireless Sensor Networks	NA	NA
19	Manish Kumar	Computer-Aided Cataract Detection Using MLP and SVM	NA	NA
20	Manish Kumar	A Survey on Intelligence Tools for Data Analytics	NA	NA
21	Manish Kumar	Bitcoin Exchange Rate Price Prediction Using Machine Learning Techniques: A Review	NA	NA
22	Mukul Kant paliwal	Modelling and simulation of photovoltaic thermal	NA	NA

		cooling system using different types of nanofluids		
23	Ranjana Thalore	Utilizing Artificial Intelligence to Design Delay and Energy-Aware Wireless Sensor Networks	NA	NA
24	Sanjeev Jakhar	Modelling and simulation of photovoltaic thermal cooling system using different types of nanofluids	NA	NA
25	Sunil Kumar Jangir	Computer-Aided Cataract Detection Using MLP and SVM	NA	NA
26	Sunil Kumar Jangir	A Survey on Intelligence Tools for Data Analytics	NA	NA
27	Sunil Kumar Jangir	Bitcoin Exchange Rate Price Prediction Using Machine Learning Techniques: A Review	NA	NA
28	Vikas Raina	Utilizing Artificial Intelligence to Design Delay and Energy-Aware Wireless Sensor Networks	NA	NA

29	Vinod Kumar Jain	Artificial Intelligence and Global Society: Impact and practices	NA	NA
30	Dr. Puneet Kumar	Artificial Intelligence and Global Society: Impact and Practices	NA	NA
31	Dr. Puneet Kumar	Adoption of Artificial Intelligence in Industrial Sector and its Impact	NA	NA
32	Dr. Sanjeev Jakhar	NA	Second law analysis of an integrated parabolic trough photovoltaic thermal system	In AIP Conference Proceedings, vol. 2273, no. 1, p. 050008. AIP Publishing LLC, November, 2020
33	Manish Kumar	NA	Multi-Channel FLANN Adaptive Filter for Speckle & Impulse Noise Elimination from Color Doppler Ultrasound Images	International Conference on Emerging Trends in Communication, Control and Computing (ICONC3)
34	Manish Kumar	Malaria Detection System Using Convolutional Neural	NA	NA

		Network Algorithm		
35	Praneet Saurabh	Enhanced Homomorphic Encryption Scheme with Particle Swarm Optimization for Encryption of Cloud Data	NA	NA
36	Praneet Saurabh	Detection and Prevention of Black Hole Attack Using Trusted and Secure Routing in Wireless Sensor Network	NA	NA
37	Praneet Saurabh	NA	Text Message and Digital Image Secure for Discrete Shearlet Transform	International Conference on Emerging Trends in Communication, Control and Computing (ICONC3)
38	Somil Jain	Adoption of Artificial Intelligence in Industrial Sector and its Impact	NA	NA
39	Sunil Kumar Jangir	NA	Multi-Channel FLANN Adaptive Filter for Speckle & Impulse Noise Elimination from Color Doppler Ultrasound	International Conference on Emerging Trends in Communication

			Images	n, Control and Computing (ICONC3)
40	Sunil Kumar Jangir	Malaria Detection System Using Convolutional Neural Network Algorithm	NA	NA
41	Megha Middha	Jus Carta	Informational Privacy: An aspect which cannot be overlooked	NA
42	Megha Middha	Multidisciplinary Subjects For Research	Role of Media: An Insight into the violation of Privacy Rights	NA
43	Megha Middha	Violence Against Women and Criminal Justice System	Cyber Space, Internet and Cyber Crimes: An Analysis on the Impact of Women	NA
44	Sangeeta Jakhar	Violence Against Women and Criminal Justice System	Cyber Space, Internet and Cyber Crimes: An Analysis on the Impact of Women	NA
45	Dr Anukriti	3rd International conference on recent trends in Bioengineering /Investigation of systems network patterns of NNK and BaP (Tobacco carcinogens) induced cell perturbation;	NA	NA

		guarding by carbon nanotubes		
46	Dr. Anukriti	UCOST- USSTC/ Investigation of systems network patterns of NNK induced cell perturbation; guarding by carbon nanotubes	NA	NA
47	Dr Anukriti	Systems Network Analysis of Protein Interaction Network (PIN) for deducing molecular mechanistic action of BaP induced carcinogenesis/ 4th Annual UTRGV Research Symposium International Conference on Cancer Health Disparities 2021	NA	NA
48	Dr Satyajit Anand	Efficient Automatic Techniques for Detection of Neurological Disorders using EEG Signals	NA	NA

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 Traditional Victorain Style Having Wooden Panel	Hindusthan Engineering & Industries Ltd Kolkata	2020-21	30,00,000
2	School of Architecture	Interior Design work for office at Delhi	Promain Ltd Delhi	2020-21	30,00,000
3	School of Architecture	Interior Design work for office at Mumbai	Hindushthan Chemical Company	2020-21	40,00,000

Awards received by the Institution, its teachers and students from Government /Government recognized bodies in recognition of the extension activities

S.No.	Name of the activity	Name of the Award/ recognition	Name of the Awarding government/ government recognised bodies	Year of award
1	Covid Pandemic 2019(Distribution of 100 maska and 100 sanitizers)	Recognition certificate	Block Laxmangarh-332311 Sikar Raj	18-11-2021
2	Covid Pandemic 2019(Donation of 11 lakhs through cheque)	Recognition certificate	Block Laxmangarh-332311 Sikar raj	18-11-2021
3	Planatation of Trees as a part of Monsoon plantation drive(16-08-2021)	Recognition certificate	Office of Municipal Board Lakshmangarh-332311(Sikar) Raj	26-10-2021
4	Planatation of Trees as a part of Monsoon plantation drive(28-07-2021)	Recognition certificate	Office of Municipal Board Lakshmangarh-332311(Sikar) Raj	26-10-2021
5	Distribution of 2000 kg Wheat(5-10-2021)	Recognition certificate	Offics of Gram Panchyat Manasi, Laxmangarh-332311, Sikar Raj	19-10-2021
6	Distribution of 1000 kg Wheat(6-10-2021)	Recognition certificate	Nagarpalika Mandal Laxmangarh-332311 sikar Raj	18-10-2021
7	Distribution of 1800kg Wheat(9-10-2020)	Recognition certificate	Offics of Gram Panchyat Manasi, Laxmangarh-332311, Sikar Raj	23-07-2020

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

2020-21

S.No	Title of the collaborative activity	Name of the collaborating agency with contact details	Name of the participant
1	Reviewer	IJTES	Dr. Atul Gaur
2	Reviewer	International Journal of Electronics and Communications	Dr. Jeetu Sharma
3	Reviewer	IGI Global	Dr. Manmohan Sharma
4	Guest Editor	Inderscience Publishers	Dr. Niranjana Lal
5	Reviewer	Journal of Materials Science	Dr. P. Shakti Prakash
6	Reviewer	Journal of Ambient Intelligence and Humanized Computing	Dr. Praneet Saurabh
7	Reviewer	Journal of Applied Research and Technology	Dr. Ranjana Thalore
8	Reviewer	IEEE Access	Dr. Ranjana Thalore
9	Reviewer	Advances in Science, Technology and Engineering Systems Journal	Mr. Vikrant Sharma
10	International Conference on Multi-Functional Materials and Applications	Kim Sun Moon University, Korea	Dr. K. L. Ameta
11	Ph.D. Examiner	Bhupal Noble's University	Dr. K. L. Ameta
12	Reviewer	Arabian Journal for Science and Engineering	Dr. K. L. Ameta
13	Editorial Board Member	Chemical Science Transactions	Dr. K. L. Ameta
14	Reviewer	Nanotechnology for	Dr. K. L. Ameta

		Environmental Engineering	
15	Reviewer	INDIAN JOURNAL OF HETEROCYCLIC CHEMISTRY	Dr. K. L. Ameta
16	Reviewer	International Journal of Consumer studies	Rajesh Sharma
17	Reviewer	Cleaner Engineering and Technology	Rajesh Sharma
18	Reviewer	Journal of Public Affairs	Rajesh Sharma
19	Reviewer	Journal of Cleaner Production	Rajesh Sharma
20	Reviewer	Applied Energy	Rajesh Sharma
21	Reviewer	International Journal of Innovation Science	Rajesh Sharma
22	Reviewer	Environmental Science and Pollution Research	Rajesh Sharma
23	Reviewer	Vision	Rajesh Sharma
24	Reviewer	Psychology & Marketing	Rajesh Sharma
25	Reviewer	Quarterly Review of Economics and Finance	Rajesh Sharma
26	Reviewer	Journal of Organizational Effectiveness: People and Performance	Sunita Verma
27	Ph.D Evaluation	phdprogram@pdpu.ac.in	Sunita Verma
28	Journal Reviewer	Scientific Reports - Nature	Dr. Harlal Singh
29	Journal Reviewer	Arabian Journal of Chemistry	Dr. Harlal Singh
30	Journal Reviewer	Journal of Coordination Chemistry	Dr. Harlal Singh
31	Chaired Sessions in Conferences/Seminars	v 2nd National Conference on Recent Advancement in Physical sciences' jointly organized by Department of Chemistry, Department of Physics & Department of Mathematics, NIT,	Dr. Jitendra Binwal

		Uttarakhand during December 19-20,2020, Sponsored by TEQIP-III.(Online Mode)	
32	Chaired Sessions in Conferences/Seminars	1. Chaired session in 11th International Conference on Multi-functional Materials and Applications (ICMMA 2020), Held on November 26-27th, 2020, Organized by Sun Moon University, Korea.	Dr. Keshav Lalit Ameta
33	Journal Reviewer	Journal Reviewer	Dr. Keshav Lalit Ameta
34	Journal Reviewer	Arabian Journal for Science and Engineering.	Dr. Keshav Lalit Ameta
35	Journal Reviewer	Journal Reviewer	Dr. Keshav Lalit Ameta
36	Journal Reviewer	Journal Reviewer	Dr. Manoj Mishra
37	Journal Reviewer	Physics Letters A	Dr. Manoj Mishra
38	Journal Reviewer	Reviewer	Dr. Narendra Kumar
39	Journal Reviewer	Journal Reviewer	Dr. Narendra Kumar
40	Journal Reviewer	Journal Reviewer	Dr. Narendra Kumar
41	Journal Reviewer	I am the reviewer of this journal from last 03 years	Dr. Naveen Dhingra
42	Journal Reviewer	Journal Reviewer in "Ecological Indicator"	Dr. Navneet Joshi
43	Journal Reviewer	JAAB: Reviewer	Dr. Navneet Joshi
44	Journal Reviewer	Reviewer in Journal : Archives of Biological Research	Dr. Navneet Joshi
45	Collaborative activity	collaborative activity	Dr. Sarita

	with other institutions		Khaturia
46	Journal Reviewer	Journal Reviewer for German Journal of Forensic Sciences	Mr. Mayank Kumar Dubey
47	Collaborative activity with other institutions	Created Quiz on Forensic Medicine for SIFS Forensic Science institution	Mr. Mayank Kumar Dubey
48	Chaired Sessions in Conferences/Seminars	Webinar Moderator and Chair person for the webinar on Forensic Analysis of Bite marks	Mr. Mayank Kumar Dubey
49	Collaborative activity with other institutions	Member of scientific committee in 3rd international conference on Document examination by IASR	Mr. Mayank Kumar Dubey
50	Chaired Sessions in Conferences/Seminars	Webinar on Forensic research & Toxicology- Speaker and Chair person	Mr. Mayank Kumar Dubey

Gender equity promotion programs organized by the institution

2020-21

S.No	Title of the programme	Date and Duration (from-to)	Number of participants by Gender
1	Karuna Rakhi Making Event:2020	25/08/2020	130
2	Celebrating Women 2020 (A Virtual Celebration)	10-11-2020	30
3	ACHIEVING GENDER EQUALITY AND EMPOWERMENT OF WOMEN AND GIRLS	03-06-2021	45
4	International Women’s Day Celebration	03-08-2021	65
5	Seminar/webinar on "Strengthen women’s leadership capacity using participatory strategies".	30/05/2021	80
6	Awareness on Women Empowerment (International Women in Engineering Day)	23-6-2021	110
7	Seminar/webinar on Career and Personal Development For Professional Women" (International Women in Engineering Day)	23/06/2021	110
8	Women Leadership Development Workshops/Boot Camps:	28/06/2021	42

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. Abdesselam

					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 Mines de Nantes, France	Feb-13	10 years	Faculty Exchange	Faculty: 01 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	Experimenta l Work	Students: 01 Ms. Titiksha Joshi
10	University of North Texas	October, 2014	6 years	Interaction Faculty Exchange	Faculty: 01 Prof. Kamesh Namuduri
11	Shoudhganga/Shodhgangotr i (INFLIBNET) IUC of UGC	18-Jun-19	Lifetime		
12	Vigyan Bharti Rajasthan	30-Oct-18	Lifetime	Vidyrthi Vigyan Manthan 2019-20(-06- 09-2019)	Dr K L Ameta

13	Data Security Council of India (DSCI)	10-Jun-19	3 years	Data Security Council of India (DSCI)	
14	Resilience Innovation Knowledge Academy (RIKA)	20-Nov-19	2 Years		
15	InnovationNext	25-Jul-19	Lifetime		
16	IMAGINXP	2020	Active w.e.f. 10.1.2020		
17	Rajasthan ILD Skills University	09-Dec-20	5 Years		
18	Bikaner Technical University, Rajasthan	13-Mar-21	5 Years		