



MODY
UNIVERSITY

OF SCIENCE AND TECHNOLOGY

LAKSHMANGARH • RAJASTHAN

A Leading Women's University



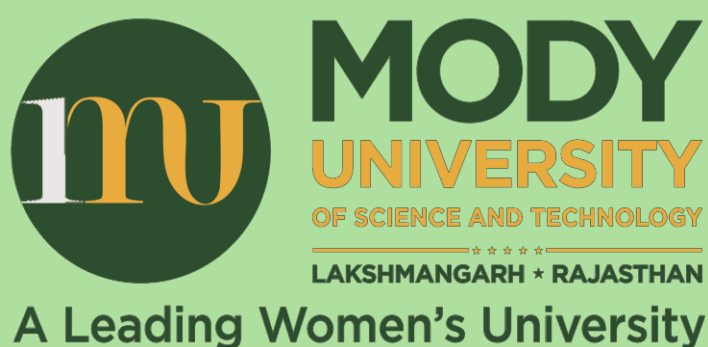
SCHOOL OF ENGINEERING AND TECHNOLOGY



ANNUAL
REPORT

2019-20

ANNUAL REPORT 2019 - 2020



**PREPARED BY:
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MODY UNIVERSITY OF SCIENCE AND TECHNOLOGY

LAKSHMANGARH – 332311 (RAJASTHAN), INDIA

PREFACE



Dr V K Jain
Dean-SET& Dean-Academics

This Annual Report for 2019-20 highlights the current state of SET, Mody University of Science and Technology and its achievements over the past one year. I am glad to say that the progresses made in the last year are in-line with the priorities defined in the SET Strategic Plans.

During 2019-20, the SET is finalizing last phase of accreditation by IET, UK for all engineering departments after successful completion of advisory visit. During 21-22 February 2020, SET has organized two days International Conference entitled “International Conference on Emerging Trends in Communication, Control and Computing (ICONC3-2020)” & CSI-National Student Convention which was highly appreciated by the participants. During the same academic year IET on Campus, IETE Students’ Forum and ACM Student Chapter got established.

As on date, more than 90% of the faculty members in the Institute are Ph.D. which is a remarkable achievement for academic and research purpose. The Institute envisage 100% PhD qualified faculty members in next coming years.

In the current academic year, as whole world is facing COVID-19 pandemic situation, SET going for online teaching learning process to provide better education during complete lockdown.

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1. INTRODUCTION

The Mody University of Science and Technology was established in the year 1988 by Shri Rajendra Prasad Mody, an industrialist and philanthropist from Lakshargarh. He is a true visionary who took an idea ahead of his time and founded Mody University of Science and Technology exclusively for girls. 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 institution instils 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

To be a world-class institute of Learning for women with Indian values, dedicated to nurturing excellence through the best available facilities in maximum possible fields.

➤ Mission

Committed to nurturing excellence in women through imparting knowledge and enabling them to become professionals, well-versed in modern technology and management practices while imbuing social sensitivity and environmental consciousness for the betterment of self and society.

1.1 About Mody University of Science and Technology

Mody University of Science and Technology is one of the leading women's universities in India. It is devoted to excellence in education and research and is known for its world class infrastructure. It is situated in a beautifully laid out, 265-acre green campus in the university town of Lakshargarh, Sikar, Rajasthan. Since its establishment it has provided education to over 10,000 women in a serene and elegant setting and prepared them well to go out in the world and achieve their goals. Mody University of Science and Technology has six colleges which offer undergraduate and postgraduate programs. Well qualified and dedicated faculty, offer unparalleled student experiences in a broad spectrum of academic and cultural programs. The temple on the University premises is the guiding light and spiritual backdrop to all the day to day activities, providing inspiration to all. There are eight Schools in the University, namely the School of Architecture (SOA), the School of Engineering and Technology (SET), the School of Design (SOD), the School of Law (SOL) and the School of Business (SOB), the School of Liberal Arts and Science (SLAS), the School of Etiquette & Finishing Skills (SEFS). Mody University of Science and Technology is covered under section 2(f) of the UGC act, 1956 and it is empowered to award degrees as specified by UGC under section 22 of the UGC Act, 1956. It is recognized by the All India Council of Technical Education (AICTE), National Board of Accreditation (NBA) and the Bar Council of India (BCI) and Council of Architecture (COA).

Mody University of Science and Technology is one of the most beautiful universities in India. The campus is a 2-hour drive from Jaipur on the newly widened Jaipur-Bikaner highway, in the historic Shekhawati region. The lush green campus with magnificent architecture, tree-lined avenues, flowers, fountains, statues and shilalekhs provides an uplifting and inspiring setting for academics and extracurricular activities, for work and play, for food and festivities. The University has smart

class rooms, hi-tech laboratories, excellent libraries and computer labs, a magnificent dining hall with nutritious vegetarian food and air conditioned hostels with all modern amenities. Olympic standard sports facilities include tennis, basketball, volleyball and horse riding. There is also a temple complex with a yagnashala and yoga hall, in manicured gardens with a pool in the shape of a lotus. Arti is held every morning and evening in the temple. A stunning new state of the art auditorium complex has just been built where programs and performances will be held on a regular basis.

Like the University has made the desert bloom with great care and effort, the faculty takes great care and nurtures the students to blossom and to reach new heights they could not have imagined before. The University has built up a reputation of trust among parents. They believe that not only are their children educated, they inculcate spiritual values and also a modern outlook in keeping with our traditional ethos. The safety and security of their daughters is a matter of paramount importance. The residential facilities are superb with a great deal of attention to detail put in taking care of all the amenities and comforts of the students. Shuttle buses run in the campus at frequent intervals for the convenience of the students, and there are regular services to take them outside the campus as well. There is a vibrant community life on the campus. The sports fields resound with activity in the evenings. Student Societies hold their meetings. Schools have their own festivals which the girls avidly rehearse for, providing colour and excitement in the campus. Every year Founder's Day is celebrated with much gusto. Panache is a University wide festival of foreign culture and language. National and International conferences and workshops are also frequent giving an opportunity for the students to connect with the outside world. The University boasts of a pollution- free Green campus (ISO 14001: 2004 Certified University Campus) with sustainability increasingly being a way of life. The biodiversity of flora and fauna in the erstwhile desert speaks of a high level of conservation and effort. Students also contribute to society in various ways. Mody University of Science and Technology has emerged as an institution of eminence and repute, with empowerment of women through education being its main aim. The alumnae are spread out all over India and the world. The University is justly proud of producing women of character who will be the future citizens and leaders of the nation, fulfilling the vision of the Founder.

1.2 Hallmarks

- A premier Women's University committed to academic excellence.
- Epitome of Indian Traditions and Modernity.
- Aesthetically designed campus with an area with more than one lakh square meters and 10
- Kms of Internal Campus Roads (ISO 14001: 2004 Certified University Campus).
- One of the best teacher student ratios in India (1:15) supported by highly qualified faculty members.
- A plethora of certified courses in diverse disciplines like Arts, Science, Engineering, Technology, Management, Commerce, Architecture, Interior Design, Fashion, Law etc.

- Smart Classrooms, State-of-the-art Laboratories and Research Facilities, Rich Library Resources with more than 70, 000 Books and Journals along with e-resources. (24 hours access to online Journals).
- Five Foreign Languages – Chinese, French, German, Japanese and Spanish taught by distinguished faculty members.
- MoUs with various International Universities and renowned research institutions and international internships and fellowships for students.
- Excellent Placement in world's leading MNCs.
- Five star residential facilities (A.C. and Non-A.C Rooms), exquisite Dining Hall and Cafeteria, Fully Wi-Fi Campus; and 100% power backup.
- Floodlit Lawn Tennis, Badminton, Basketball, Volleyball Courts and Playgrounds spread over an area of 17.5 Acres; and an equestrian wing consisting of 55 trained horses with an Olympian trainer.
- In-house Dairy with 160 Holstein Cows.
- State-of-the-art Auditoriums with the capacity of 303 and 1040 people.
- A lotus-shaped aesthetically designed Temple and Meditation Hall (Tapovan) for Praying, Yajna and Meditation. Yoga classes are held daily in the Meditation Hall.
- Fully equipped Clinic with two residential lady Doctors and female nursing staff; and a counseling center for students.
- Air Conditioned Shuttle bus facility from morning till night in an interval of 15 minutes.
- A rich and vibrant campus life.

1.3 Infrastructure

1.3.1 Tech-savvy Classrooms

Learning and teaching is a two-way process that demands complete dedication and full concentration. To ensure complete level of concentration, a favourable environment is a must. Keeping this very requirement in mind, the management of Mody University of Science and Technology has designed user-friendly and tech-savvy classrooms for the girl students.

Mody University of Science and Technology is an institution of the 21st century, which makes it quite obvious that it uses the best technological enhancements to make its classrooms participative and interactive. This is the age of cut-throat competition and Mody University of Science and Technology aims at making its students perfect in all respect so that they always fly high keeping others behind.

Of course, the traditional approach towards teaching and learning is the core process that cannot be ignored, but besides the conventional approach, Mody University of Science and Technology management also experiments with the latest technological gadgets that can help in fostering the learning process.

The students are allowed to give presentations, attend seminars, go for internships, aid camps, etc. They are also allowed to submit their assignments online and do proper research using internet for various topics.

Along with the interactive classes, the students of Mody University of Science and Technology are provided study materials in capsulated form that makes it really easy for them to go through the lessons properly. CDs are there along with projectors to make visual and audio learning comfortable and easier for the girls. Learning foreign languages is included in the regular curriculum.

The computer laboratories and also other labs are well-equipped with latest technological products. There are sufficient No. of classrooms, Seminar Halls, Drawing Halls of required size as per AICTE norms. All the classrooms, Seminar Halls, Drawing Halls are well furnished with furniture, blackboards, projection screens, OHPs/LCD Projectors and are ventilated with sufficient lighting.

1.3.2 Tapovan

Spirituality is the key to unlock the potential of the human mind. Spirituality allows for strengthening intuition, creativity, and inspiration so that one can be guided towards the life and work that they will find most rewarding. All aspects of the campus are designed to allow for students and faculty to look inwards and strengthen their inner voice, to make them strong and fulfilled individuals following the path that suits them the best. Without the cultivation of the mind and of this inner voice, much of education and the learning process is incomplete. The magnificence of the buildings, the proximity to nature, the stillness and peace that can be found amidst the daily hustle bustle are some of the most compelling factors to study at Mody University of Science and Technology.



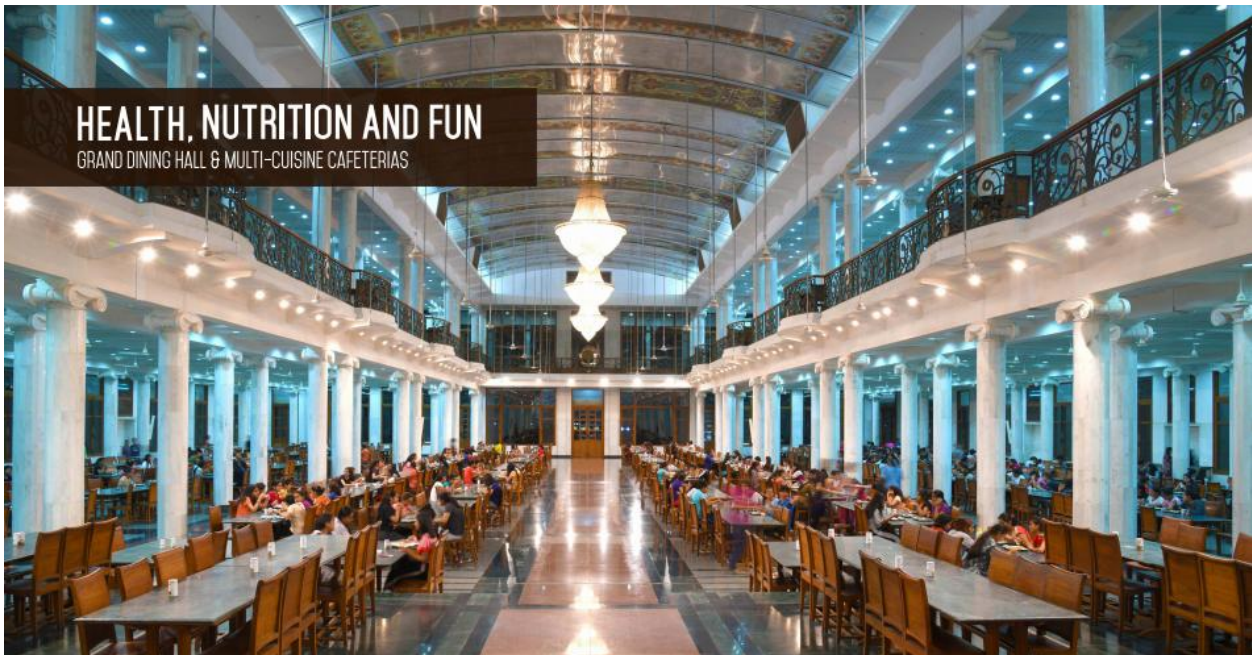
1.3.3 Five-Star Residential and Wellness Facilities

Living away from home is not easy. More often than not when someone moves away from home for studies, renting a place seems like a big task and that is when parents seem concerned to find decent lodgings with good facilities for their children. But coming to pursue any programme of study at Mody University of Science and Technology turns to almost like a home experience, because when students stay on campus, in the hostels of the University, parents and above all students need not worry about any lodging or staying difficulty. They are very well taken care of. The University has 8 very good hostels on the campus. Each hostel has a capacity of around 180 beds. Students can easily opt to reside in rooms with single, double or four-bed facilities (AC/Non AC according to their need). Each room has ample storage capacity. Hostel rooms are well-furnished and properly ventilated. Bathrooms are beautifully designed and equipped with cold and hot water facilities according to weather. Supply of clean and hygienic water is ensured throughout the year. For this purpose, water-cooler machines equipped with latest RO technology have been installed at every floor of each hostel. All the hostels of the University have 24 × 7 Wi-Fi connectivity. Apart from this university also has its own power-house which is responsible for uninterrupted electricity supply in the campus. A team of highly qualified Residential Lady Doctors and female nursing staff is available at the University clinic. There are two ambulances that are always ready to ferry the students from their hostel to the clinic in case of any urgency. Apart from this University also arranges visits of Dentist, Ophthalmologist and ENT (Ear, Nose and Throat Specialist) from time to time. The University has two AC buses to ferry the students from their hostels to academic buildings, dining hall and reception area of the university. In addition to this, there are weekly bus services for Sikar and Jaipur. The University also keeps in mind the commuting difficulties of students of neighboring areas and has regular bus services in place to solve the problem of such students.



1.3.4 The Magnificent Dining Hall

With a capacity to accommodate more than 1800 people at a time, the grand Dining Hall of Mody University of Science and Technology is one of its kinds in the Country. It is lavishly decorated in marble and stone, brilliantly lit with splendid chandeliers. The whole length of the vast dining hall has an arched skylight as a ceiling. The magnificent architecture of the dining hall, the gardens and the fountains playing outside, make every meal a treat for all the senses. The University dining hall brings everybody together in an otherwise diverse campus. All the students and faculty enjoy their breakfast, lunch, evening snack and dinner cooked by highly trained chefs. The university has its own dairy that supplies pure and fresh dairy products for the students and staff. Apart from this, the university has its own bakery that bakes vegetarian cookies, breads and tasty snacks. At mealtimes, a varied selection of uplifting and melodious music makes the whole experience very pleasant. For a more restaurant like feel, students can also stop by the very popular Cafeteria (adjoining the dining hall building) that offers a very good variety of Indian and Continental dishes. The Cafeteria is a lively and upbeat place for students to relax away from the busy schedule of their studies and is a great favourite. Another new world-cuisine cafeteria that is the part of Auditorium Complex will serve five kinds of world cuisines such as Italian, Mexican, Chinese and Indian. Students can give a change to their taste buds by enjoying food cooked by world class chefs from all continents.



1.3.5 Auditorium Complex

The magnificent auditorium at Mody University of Science and Technology is unique and one of the best auditoriums around the country. The auditorium is designed in such a way that it ensures a perfect view of the main stage irrespective of the seating location of the audience. The monumental stage of the auditorium is a very good platform for the students of the university to showcase their multiple talents in the field of theatre, drama, dance and different cultural programs. Named after the spiritual poet and classical musician of India Swami Haridas, Swami Haridas Sabhagar - the main auditorium complex has a seating capacity of 1040 people. The

auditorium is equipped with a state-of-the-art audio-visual system by Bose and Christie (world renowned names in the field of acoustics and cinema projection) for movie projection (22,000 Lumen), cultural and educational programmes. The entrance area of Swami Haridas Sabhagar is tastefully decorated with water-bodies, fountains and greenery. The front and middle portion of the Swami Haridas Sabhagar with a grand and huge statue of Lord Nataraja gives it a divine and spiritual look. The wonderful double-height interior walls are embellished with celestial and spiritual sculptures, murals and paintings. The Mini Auditorium that takes its name from the world famous Tansen or Ramtanu Pandeya (who was one of the Navratnas from the court of Akbar and disciple of Swami Haridas) is known as Tansen (Ramtanu Pandeya) Sabhagar. It has a seating capacity of 303 people. This auditorium will mainly be used for organizing different national seminars, lectures, workshops, symposiums and small scale dance, drama, theatre and other cultural events. Both the auditoriums (Swami Haridas Sabhagar and Tansen (Ramtanu Pandeya) Sabhagar) are designed and constructed using the modern age HVAC (Heating, Ventilating and Air-conditioning), Electrical and Emergency Services.



1.3.6 Sports Facilities

Mody University of Science and Technology is one of the best women's universities of not only Rajasthan but of India as well. The University is not only known for its academic achievements but is also highly regarded for its sports accomplishments as well. Mody University of Science and Technology provides the students with an excellent platform to showcase their talent in the field of sports. Mody University of Science and Technology has playgrounds spread in an area of 17.5 acres. All the playgrounds and courts are as per international rules and norms. Students get ample opportunity to try their hand and excel in sports such as Hockey, Football, Volleyball, Basketball, Badminton, Lawn Tennis and Athletics. Students are trained and play under the expert supervision of coaches and trainers for these sports. The Basketball, Volleyball, Badminton and Lawn Tennis courts are floodlit, so that students can play even at night. All the hostels of university are also equipped with indoor game facilities such as Carom-board and Table-Tennis which students can enjoy in their leisure time. There are 55 trained horses in the equestrian wing of

university. Willing students can learn horse-riding under the guidance of a qualified trainer. Apart from these regular sports, students are also encouraged to practice Yoga to sooth their body and mind. Special classes of Yoga are held in the morning and evening under the supervision of a certified Yoga Trainer in the Meditation Hall in Tapovan, a place specially constructed for such purposes. Every semester the students of Mody University of Science and Technology participate in different Sports tournaments organized at different universities of India where they win gold, silver and bronze medals, thus bringing laurels to the name of the University.



1.3.7 Transportation

As Mody University of Science and Technology is not only for boarders and there are also daily scholars who come to study here, mention of its transportation facilities becomes mandatory. Mody University of Science and Technology has its own fleet of 5 buses that are available for the pick and drop of the daily comers and also for emergency situations of the boarders. Along with buses, there are also three vans available 24×7 within the campus. The transports move within and even outside the campus whenever required. This facility is a must for the pick and drop of the daily comers. In case, the boarders need to move out in an emergency, shuttle facilities are available for such situations.

2. ABOUT SCHOOL OF ENGINEERING AND TECHNOLOGY

2.1 Vision

To be a Centre of Excellence in technological learning and research comparable to the best in the World with the special commitment to women education.

2.2 Mission

- To offer state-of-the art facilities for providing world class education in Engineering & Technology at UG, PG and doctor level.
- To imbibe the spirit of Innovation and Entrepreneurship amongst students.
- To create intellectually capable and imaginatively gifted leaders to serve the society and industry.
- To promote high standards of professional ethics, transparency and accountability

2.3 Program Educational Objectives

- Identify, formulate, analyze, and appropriate Engineering and Mathematical principles to develop creative applications suitable for solving real life problems, using her skills and latest tools.
- Inculcate the habit of lifelong learning in order to keep herself up-to-date to the changing technical, industrial and social scenarios.
- Effectively communicate and work in a team comprising of multidisciplinary, multilingual and multi-ethnic members.
- Understand her personal, professional, global, social and ethical responsibilities.

2.4 Student Outcomes

- An ability to apply knowledge of Mathematics, Science, and Engineering.
- An ability to design and conduct experiments, as well as to analyze and interpret data.
- An ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability.
- An ability to function on multidisciplinary teams.
- An ability to identify, formulates, and solves engineering problems.
- An understanding of professional and ethical responsibility.
- An ability to communicate effectively.
- The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context.
- Recognition of the need for, and an ability to engage in life-long learning.

- Knowledge of contemporary issues.
- An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.

2.5 Resources

2.5.1 Laboratories

S. No.	Department	Laboratory
1.	Computer Science and Engineering	DBMS Lab
2.	Computer Science and Engineering	IBM Lab
3.	Computer Science and Engineering	Operating System Lab
4.	Computer Science and Engineering	Programming Lab
5.	Computer Science and Engineering	CS Postgraduate Lab
6.	Computer Science and Engineering	Artificial Intelligence Lab
7.	Computer Science and Engineering	DOT Net/ Advanced Java Lab
8.	Computer Science and Engineering	OOPS lab (C ++)
9.	Electronics and Communication Engineering	VLSI Lab
10.	Electronics and Communication Engineering	Digital Electronics Lab
11.	Electronics and Communication Engineering	Analog Electronics Lab
12.	Electronics and Communication Engineering	Microprocessors Lab
13.	Electronics and Communication Engineering	Microwave & Antenna Lab
14.	Electronics and Communication Engineering	Communications Lab
15.	Electronics and Communication Engineering	Industrial Electronics Lab
16.	Electronics and Communication Engineering	Multi Sim Lab
17.	Electronics and Communication Engineering	EMI Lab
18.	Electronics and Communication Engineering	Electronic Workshop and Power Electronics
19.	Science	Physics
20.	Science	Chemistry

21.	Electrical Engineering	Control System
22.	Electrical Engineering	Power System
23.	Electrical Engineering	Electrical Machines
24.	Electrical Engineering	Electrical Simulation Lab
25.	Electrical Engineering	Network Analysis
26.	Electrical Engineering	Electrical and Electronic Measurement
27.	Mechanical Engineering	CAD
28.	Mechanical Engineering	Workshop
29.	Mechanical Engineering	I.C. Engines, Refrigeration, Air-conditioning
30.	Mechanical Engineering	Strength of Material
31.	Mechanical Engineering	Fluid Mechanics and Fluid Machineries
32.	Mechanical Engineering	Thermodynamics
33.	Mechanical Engineering	Measurement
34.	Mechanical Engineering	Manufacturing Technology
35.	Nuclear Science and Technology	Nuclear lab
36.	Biomedical Engineering	Anatomy & Physiology Laboratory
37.	Biomedical Engineering	Biomedical Instrumentation Laboratory
38.	Biomedical Engineering	Biomedical Equipment Laboratory
39.	Biomedical Engineering	Bio signal Processing Laboratory
40.	Biomedical Engineering	Biomedical Image Processing Laboratory
41.	Biomedical Engineering	Pathology and Microbiology Lab
42.	Biomedical Engineering	Biomaterials & Tissue Engineering Laboratory

2.5.2 List of faculty members

S. No.	Name	Designation	Deptt.	Qualification	Specialization
1.	Prof. V.K. Jain	Dean Academics	CSE	PhD (CSE) M.Tech(CS)	ERP,RFID and EDI Technologies, IT enabled SCM, e- Governance, Software Engineering, Total Quality Management and Research Methodology
2.	Dr. A. Senthil	Professor (HOD)	CSE	Ph.D. M.Tech.(CSE) B.E.(CSE)	Cellular Automata, Computational Epidemiology
3.	Dr. Vinod Maan	Associate Prof.	CSE	Ph.D. M.Tech.(CS)	Mobile Networks, Algorithms
4.	Dr. Ajay Kumar Singh	Associate Prof.	CSE	Ph.D. M.Tech.(IT) B.E.(CSE)	Image Analysis, Computer Vision, Machine Recognition
5.	Dr. Anil Saroliya	Associate Prof.	CSE	Ph.D. M.Tech. (CSE) B.E. (IT)	P2P Computing, DHT Overlay Networks, Distributed Networks, FOG Computing
6.	Dr. Prateek Bhanti	Associate Prof.	CSE	Ph.D. M.Tech.(IT)	E-Governance, MIS, AI
7.	Dr. Puneet Kumar	Associate Prof.	CSE	Ph.D. M.Tech.(CS)	Algorithms, e Governance
8.	Dr. Praneet Saurabh	Associate Prof.	CSE	Ph.D. (CSE) M.Tech (CSE) B.Tech (CSE)	Computational Intelligence, Computer Communications (Networks), Computer Security and Wireless Networks

9.	Dr. Prashant Kumar Siddhey	Associate Prof.	CSE	Ph.D. (Management), M.B.A.	Research Methodology, Human Resource Management, General Management, Supply Chain Management, Entrepreneurship
10.	Dr. Sanjeev Patwa	A.P.	CSE	Ph.D. M.Tech.(IT)	Software Engineering, Software Testing, Social Sites
11.	Dr. Anand Sharma	A.P.	CSE	Ph.D. M.Tech.(IT) B.E.(IT)	Quantum Cryptography, Network/Information Security
12.	Dr. Niranjan Lal	A.P.	CSE	Ph.D. M.Tech.(IT) B.E.(IT)	Database, Data Mining, Big Data, Cloud Computing
13.	Dr. Uma Kumari	A.P.	CSE	Ph.D. M.Tech.(CS) B.E.(CS)	Software engineering, Web Technologies, Wireless sensor networks
14.	Dr. Vikas Raina	A.P.	CSE	Ph.D. M.Tech.	Underwater Wireless Sensor Networks
15.	Dr. Ajay Kumar	A.P.	CSE	Ph.D. M.Tech.(CSE) B.E.(CSE)	Wireless Sensor Networks ,Computer Graphics
16.	Dr. Suneet Gupta	A.P.	CSE	Ph.D. M.Tech.(CA) B.E.(CE)	Medical image Processing
17.	Dr. Manmohan Sharma	A.P.	CSE	Ph.D. M.E.(Software Systems) B.E.(Electrical)	Cloud Computing, Software Testing, Networking
18.	Dr. Sunil Kumar Jangir	A.P.	CSE	Ph.D. M.Tech.(CSE) B.E.(CSE)	MANET, Machine Learning
19.	Mrs. Aditi Kajala	A.P.	CSE	Ph.D.* M.Tech.(CSE)	Fault Testing in Digital Circuits, Algorithm Design
20.	Mr. P.K. Bishnoi	A.P.	CSE	Ph.D.* M.Tech.(CSE)	Web Engineering
21.	Mr. Hitesh Jangir	A.P.	CSE	M.Sc.(CSE) B.E.(IT)	Internet of Things, Cyber Security, Artificial Intelligence and Data Mining

22.	Mr. Vishal Sharma	A.P.	CSE	Ph.D.* M.Tech. (CSE) B.E. (CSE)	Computer Network, Network Security, Information Security, IOT
23.	Mr. Siddhanta Kumar Singh	A.P.	CSE	Ph.D.* M.Tech. (CSE) B.E. (CSE)	Programming and Software Testing
24.	Mr. Vinay Verma	A.P.	CSE	M.Tech. (CSE) B.E. (IT)	
25.	Mr. Rajesh Yadav	Lecturer	CSE	Ph.D.* M.Tech.(IT)	Cloud Computing
26.	Mr. Somil Jain	Lecturer	CSE	Ph.D.* M.Tech.(CSE) B.Tech.(CSE)	Computer Networks,E- Governance
27.	Ms. Sonal Shukla	Lecturer	CSE	M.Tech. (CSE) B.Tech. (IT)	Cloud security, Search Engine, Optimization, Search Engine Algorithm updates
28.	Dr. Rajeev Pourush	Associate Prof. (HOD- ECE)	ECE	Ph.D.(Microwave Engineering)	Microwave Micro strip Planar structures &Antenna Systems
29.	Dr. Gaurav Dhiman	A.P.	ECE	Ph.D. M.Tech.(VLSI) B.Tech.(ECE)	Semiconductor Device Modeling, VLSI Design
30.	Dr. Uma Nirmal	A.P	ECE	Ph.D. M.Tech.(VLSI) B.E.(ECE)	VLSI Design, MEMS Technology
31.	Dr. Purnima Sharma	A.P.	ECE	Ph.D. M.Tech.(ECE) B.Tech.(ECE)	Multiband and Ultra Wide band Antenna design
32.	Dr. Jeetu Sharma	A.P.	ECE	Ph.D. M.Tech.(VLSI and Microelectronics) B.E.(ECE)	Wireless Sensor Networks In Smart grid
33.	Dr. RanjanaThalore	A.P.	ECE	Ph.D. M.Tech.(ECE) B.Tech.(EI&C)	Energy-Efficient3-D Wireless Sensor Networks
34.	Dr. SatyajitAnand	A.P.	ECE	Ph.D. M.Tech.(ECE) B.E.(ECE)	Digital Signal Processing, Biomedical Signal Processing, VLSI Signal Processing

35.	Dr. Sandeep Jaiswal	A.P. HOD (BME)	BME	Ph.D.(BME) M.Tech.(BME) M.Sc.(Physics)	Biomedical Signal and Image Processing, Effects of Non-thermal Radiation On Biological System, Medical Imaging, Biomechanics
36.	Dr. Manish Kumar	A.P	BME	Ph.D M.Tech. B.Tech.	Medical Image Processing, Signal Processing, Machine Learning, Heuristic Optimization
37.	Dr. P. Shakti Prakash	A.P	BME	Ph.D. M.Tech. B.Tech.	Biomaterials and Tissue engineering; Nanomaterials, Coating on medical implants, Basic Pathology and Microbiology
38.	Ms. Jyoti Jangra	Lecturer	BME	M.Tech. B.Tech.	Medical Image Processing, Medical Instrumentation
39.	Dr.SudhirY Kumar	Professor (HOD)	EE	Ph.D. M.Tech.(Power System) B.Tech. (EE)	Power system, Renewable Energy, SmartGrid
40.	Dr. Thoudam Paraskumar Singh	A.P.	EE	Ph.D. M.Tech.(Power Electronics) B.Tech.(EEE)	Power Electronics & Drives, Energy Storage, Renewable Energy& Smart Grid
41.	Dr. Sunita Kumari	A.P.	EE	Ph.D. M.Tech.(Power System) B.E.(EE)	Non Linear Control Systems, Power Electronics &Drives, Power System
42.	Dr. Devi Lal Punia	A.P	EE	Ph.D M.Tech B.Tech	Energy
43.	Dr.Atul Kumar	Associate Prof. (HOD)	ME	Ph.D. M.Tech. (Production) B.Tech.(ME)	Composite Materials, Manufacturing science
44.	Dr. Sanjeev Jakhar	A.P.	ME	Ph.D.(ME) M.Tech.(Thermal Engg.) B.Tech.(ME)	Thermal engineering, Solar energy, Passive building energy savings, Heat transfer systems and Thermodynamics analysis of systems.

45.	Dr. Vivek Pandey	A.P.	ME	Ph.D.(ME) M.Tech.(Thermal Engg.) B.Tech.(ME)	I.C. Engine, Bio-Fuels, Renewable energy sources.
46.	Mr.Vikrant Sharma	A.P.	ME	Ph.D.* M.Tech. (Manufacturing System Engineering) B.E.(Production Engineering)	IndustrialEngineering, ProductionEngineering
47.	Mr.Mukul Kant Paliwal	A.P.	ME	Ph.D.* M.Tech.(Machine Design) B.Tech.(ME)	MachineDesign
48.	Dr. Sudatta Ray	A.P.	NST	Ph. D. (Nuclear Physics) M.Sc. (Physics)	Experimental Nuclear Physics
49.	Dr. Subrata Jana	A.P	NST	Ph.D. ME B.Tech.	Nuclear Reactor, Plasma and Superconductor

2.5.3 List of Non-Teaching Staff

S.No.	Name of Employee	Designation
1.	Mr. R.P. Soni	Accounts Assistant
2.	Mr. Amit Soni	Office Assistant
3.	Mr. Sanjeev Kumar Sharma	Sr. Lab Technician
4.	Mr. Ramji Lal Saini	Lab Assistant
5.	Mr.Vikram Singh Saini	Lab Technician
6.	Mr.Vijendra Singh	Lab Technician
7.	Mr. Sunil Kumar Sharma	Lab Technician
8.	Mr. Madhav Gopal Sharma	Lab Technician
9.	Dr. Manoj Kumar Khinchi	Lab Technician

10.	Mr. Vinod Saini	Lab Assistant
11.	Mr. Bhawani Shanker Sharma	Lab Technician
12.	Mr. Pramod Kumar Saini	Lab Technician
13.	Mr. Ramesh Kumar	Workshop Machanic
14.	Mr. B.L.Meel	Workshop Machanic
15.	Mr. Pankaj Kumar	Lab Technician
16.	Mr. Bharat Singh Shekhawat	Lab Technician
17.	Mr. Ram Swaroop	Workshop Attentent
18.	Mr. Ravi Kumar Chomal	Lab. Technician
19.	Mr. Satya Narayan Panchal	SeniorLab Technician
20.	Mr. Rajnish Dalal	Laboratory Technician
21.	Mr. Amit Kumar Mittal	Supervisor-Housekeeping
22.	Mr. Kartik Sharma	Lab. Technician
23.	Ms. Sangeeta	GNM
24.	Ms. Pankaj	ANM
25.	Ms.Manju Kumari	GNM
26.	Ms. Kanchan Nayak	GNM
27.	Ms. Ankita	ANM
28.	Ms. Sarita Kumari	ANM
29.	Ms. Nathi Chahar	ANM
30.	Ms. Prem Kumari Rao	ANM

3. DEPARTMENTAL ACTIVITIES

3.1 Department of Computer Science and Engineering

The Department of Computer Science & Engineering (CSE) is involved in providing quality education at Undergraduate (UG), Post Graduate (PG) and Doctoral Levels. The department imparts world class education, training and research. The contents of the courses under the department are continuously updated and the laboratories modernized to incorporate the rapid changes in technology and industry. The department also promotes active industry-institute collaboration by identifying areas of interest and taking part in sponsored research projects and consultancy services.

The department is committed to prepare Engineers who are highly sought after, productive, and well-respected for their work, and who contribute to new developments in computing. Also the department gives students in other disciplines an appropriate foundation in computing for their education, research, and experiences after graduation.

➤ Objectives of the Department

- To provide students with a strong foundation in mathematical, scientific and engineering fundamentals so as to comprehend, analyze, design and create products/ solutions for automation of real life processes.
- To inculcate in students professional and ethical attitude, effective communication skills, leadership, teamwork skills, multidisciplinary approach, and an ability to relate engineering issues to broader social context.
- To provide student with an academic environment with awareness of excellence, and the life-long learning needed for a successful professional career.

➤ Short Term Goals of the Department

- To achieve academic excellence.
- To place students in reputed industries.
- To develop state of the art laboratories.
- To train faculty members in the advanced domains of computer science
- Joint collaboration with reputed premier institutions and research organizations.
- To carry out quality research work.
- To impart technical training & soft skills

➤ Long Term Goals of the Department

- To establish the department as an ideal learning centre in teaching & research.
- To establish centres of excellence in various fields of computer science.
- To enhance Industry Institute interaction.
- To meet the social, ecological and ethical needs of the region.

DEPARTMENTAL ACTIVITIES

- **DIGITAL LIVING 2030 USING AI**

Online Master Class for College Students on “Digital living 2030 using AI” By Prof. Irad E. Ben-Gal Head, LAMBDA, Tel Aviv University, Israel

An online master class (webinar session) on "Digital Living 2030 Using AI" was organized by Ananta Aspen Centre. The session was delivered by Prof. Irad E. Ben-Gal of Tel Aviv University, Israel. This webinar was conducted in room no. 1, ABB building where the screen play was on the projector screen. More than a hundred students joined the webinar and enjoyed the new learning. They learned new applications of AI and how AI can be useful for the society. The session started at 11:30 am and the duration was 90 minutes out of which, the last 30 minutes were devoted to Q&A session. In Mody University, this webinar session was coordinated by Dr. Anil Saroliya, Associate Professor, SET, MUST.





- **3D PRINTER INAUGURATED**

3D printer in department of CSE—SET was inaugurated by Prof. (Dr.) V. K. Jain, Dean-SET on 21/09/2019. The machine was inaugurated by printing the statue of Lord Ganesha. The inauguration was followed by a technical training session for the entire lab in charges of Department of CSE-SET.



- **3D PRINTING TRAINING**

Training conducted to train all the technicians of SET to print the 3D objects on 3D printer on 28/09/2019 at 3:00 to 4:00 PM. The participants have shown their great curiosity in the training session. They learnt what will be the input material, how it will be inserted, how the printer calibrations are made, what kind of models can be printed, etc. The training was conducted by Mr. Madhav Gopal Sharma, Lab Technician—Department of CSE.



- **WORKSHOP ON IOT, CLOUD COMPUTING, BIG DATA ANALYTICS AND AI**

On, 21st October 2019, Mody University organised a workshop on “IoT, Cloud Computing, Big Data Analytics and AI” in Maharani Kishori Devi Girls School, Bikaner under the career development consciousness program for school students to make them aware by giving a knowledge of New Edge career programs with the recent industry scenario. Approximate 200 students of class 10th, 11th and 12th participated in career program; counseling session was delivered by Mr. Anjani Kumar Mishra, Manager, MUST. After that a workshop session of one hour was also conducted by Dr. Anil Saroliya, Associate Professor, Department of CSE, SET on the importance of IoT, Cloud Computing, Big Data and AI. In the workshop session, Class 12th Science-Mathematics students were participated. All the participants showed their interest by providing valuable thoughts for the implementation of IoT, Big Data and AI enabled solutions those are truly required by our society.



- **WORKSHOP ON INTERNET OF THINGS**

On, 18th November 2019, Mody University organised a workshop on “**Internet of Things**” in **Nimawat Public School, Fatehpur-Shekhawati, Sikar** under the career development consciousness program for school students to make them aware by giving a knowledge of New

Edge career programs with the recent industry scenario. Approximate 100 students of class 12th, has participated in career program; counseling session was delivered by Mr. Aseem Bhatnagar AGM Admissions, MUST. After that a workshop session of one hour was also conducted by **Dr. Anil Saroliya, Associate Professor, Department of CSE, SET** on “*Internet of Things (IoT)*” and its importance in Industry and as well as in our routine life. In the workshop session, Class 12th Science-Mathematics students were participated. All the participants showed their interest by providing valuable thoughts for the implementation of IoT enabled solutions those are truly required by our society.



- **NATIONAL SEMINAR ON GIS AND ITS APPLICATIONS**

A National Seminar on “Geographical Information System and its Applications” was organized at Mody University campus, Laxmangarh on 23 November 2018. A galaxy of professors, researchers and intellectuals gathered at the Sangeet Samrat Tansen Sabhaghar to deliberate on the various aspects of the issue regarding the GIS and its Applications. The inaugural session began with the lightening of lamp and University Kulgeet. Welcome Speech was delivered by Prof. V.K. Jain, Dean –SET. Prof. Jain highlighted the fact that GIS is a multidisciplinary field and is attracting young technocrats of different streams like Electronics, Computer Science, etc.

Dr. Sanjay Jain, Scientist ‘G’, National Institute Hydrology, Roorkee gave a comprehensive presentation on “*Remote Sensing and GIS Application in Water Resource Management*”. In the presentation, he discussed the applications of remote sensing and GIS in vegetation indices, extent of snowpack, surface temperature, Glacier mapping/changes, Surface soil moisture, Rainfall-Runoff Studies, Sedimentation Studies, Flood Assessment and Management Studies, Groundwater Exploration, Snowmelt Runoff studies

The next session started with an interactive session by Dr (Col) K. C. Tiwari, Professor, Multidisciplinary Centre for Geoinformatics, Delhi Technological University, New Delhi. He interacted with the students on an interesting topic “*Camouflage Breaking Using Remote Sensing*”. Beginning with the definition and explanation of the camouflage technique, he gave real-life examples of camouflage and then discussed technical issues related to Camouflage breaking using Digital Image Processing.

Dr. Arun K Saraf, Professor, and Head, IIT Roorkee delivered on the topic “Geoinformatics for fog Mapping, Modelling and Dispersion Techniques”. He presented his research interpretation on dissipation and migration patterns of fog on the basis of the analysis of both meteorological and satellite data. With the help of few videos, he also demonstrated the ion-based fog dispersion technique which may be a possible solution for getting rid of the fog.

“Geo-spatial Technology: Applications and Trends” was the topic of presentation of Dr. S. Srinivasa Rao. In the capacity of General Manager, Regional Remote Sensing Centre, Jodhpur, Dr. S. Srinivasa Rao discussed various projects running under the banner of ISRO in the field of remote sensing and GIS. He concluded his talk by inviting Mody University for signing an MOU with ISRO which can open doors for Ph.D. students and other research activities.

The programme ended with the vote of thanks by Dr. Prateek Bhanti, Convener of the Seminar.





● **GUEST LECTURE ON “TIME AND STRESS MANAGEMENT”**

On 2nd December, 2019 in Swami Haridas Sabhagar (SHS), School of Engineering and Technology (SET) conducted a guest lecture on “Time and Stress Management” delivered by Maj Gen AK Chaturvedi. Maj Gen AK Chaturvedi was commissioned in Corps of Engineers, The Bengal Sappers in Dec 1974, and served the nation during his distinguished services of 38 years. The lecture was conducted under the coordination of **Dr. Anil Saroliya**, Associate Professor, SET.

The event was started with auspicious ceremony of lighting of the lamp in the presence of honorable founder chairman Shri R P Mody, Member Chairman Board Shri S S Bhuwaniya, Deans and other University officials.

Maj. Gen Chaturvedi addressed the gathering and shared the techniques to overcome stress and manage time effectively. The objective was to help students manage their time and work even under pressure smartly by overcoming hurdles to lead a holistic life. He explained the concept with live case studies and real-life examples to help them relate and imbibe stress free attitude particularly during examination.

Informing about the session, Dr. V. K. Jain (Dean, SET), said this special lecture was an addition to the series of extramural talks that have been organized by the School every month. Last time, Mr. Kalra, a profound environmentalist delivered the though provoking session on environment and sustainability.

Dr. M. Venu Gopala Rao, Director Mody University said the University ensures that our students are provided ample opportunities to inculcate the best practices and effective work tools to live a balanced life. Impactful sessions are often organized by the experts from industry at the campus to provide a versatile learning experience beyond classroom.



- **WORKSHOP ON INTERNET OF THINGS, AI AND BIG DATA**

On, 6th and 7th December 2019, two days workshop on “Internet of Things, AI and Big Data” was jointly organized by Mody University and Kanoria College at **Kanoria PG Girls College, Jaipur** under the career development consciousness program for future techno-commercial graduates to make them aware by giving knowledge of New Edge learning with the recent industry scenario. Approximate 100 students of BCA, B.Sc. and BBA, had participated in the workshop. This workshop was conducted by **Dr. Anil Saroliya, Associate Professor, Department of CSE, SET**. All the participants showed their interest by providing valuable thoughts for the implementation of IoT enabled solutions those are truly required by our society. After the workshop session, all the participants competed for a task where they had to present their idea about the use of IoT for the betterment of the society. The event was concluded by distribution of prizes to the winner and certificates to all the participants.



- **IBM CE - PARTNER ENABLEMENT - BIG DATA TECHNOLOGIES - SPARK & SCALA - TRAINING PROGRAMME**

Dr. Prateek Bhanti and Dr. Niranjana Lal Verma from the CSE department attended the training programme on Big Data Technologies - Spark & Scala from 23-25th December 2019 in IBM Gurgaon office.

The training programme was aimed to equip participants with cutting-edge skills in the most rapidly growing field in today's analytics landscape, viz, Big Data Analytics, and its applications in the industry. The programme was designed for those academicians and IBM professionals who wish to add high demand skill set to their bouquet of skills.

The Resource person was Mr. Hrishikesh Pathak. Having a rich experience of working on live projects of Big Data Analytics Mr. Hrishikesh Pathak, Technical Consultant and Data Scientist in IBM, offered a strong hand's on learning experience of *Spark and Scala*, complemented with business case-studies/ use-cases/ examples.

Day 1: The day initiated with the introduction of Data Science methodology with the help of CRISP(Cross Industry Standard Process). The rest of the day was dedicated to the hand-on training of *scala*.

Day 2: Various tasks were given to the participants to brush up the skills learned on Day1. Upon completion of the tasks, participants discussed the availability of a huge amount of data and the need to be able to process the data as quickly as possible. With the help of examples and use cases, Mr. Hrishikesh Pathak briefed about how Spark can extend the popular Map Reduce model to efficiently support more types of computations, including interactive queries and stream processing.

Day 3: After two extremely useful days of learning *scala and spark*. A small assessment project was given to the participants. On the request of the participants, Mr. Pathak demonstrated one model with the help of coding in *scala and spark* for the *sales* dataset.

Since the group of participants was a blend from universities and IBM SMEs', there were discussions on the issues related to the understanding of the students and pedagogy to be adopted for teaching such technologies. At the end, and during the feedback session of the training, all the participants expressed their satisfaction with the way the training was conducted.



• **WORKSHOP ON “IOT-THE NEXT BIG THING IN TECHNOLOGY”**

On, 10th January 2020, One day workshop on “Internet of Things, AI and Big Data” was jointly organized by **Mody University** and **Shekhawati Group of Institutions, Sikar** under the career development consciousness program for future technocrats to make them aware by giving knowledge of New Edge learning with the recent industry scenario. Approximate 100 students of BCA, MCA and M.Tech had participated in the workshop. This workshop was conducted by **Dr. Anil Saroliya, Associate Professor** and **Dr. Sanjeev Patwa, Assistant Professor, Department of CSE, SET, Sikar**. All the participants showed their interest by providing valuable thoughts for the implementation of IoT enabled solutions those are truly required by our society. After the workshop session, all the participants competed for a task where they had to present their idea about the use of IoT for the betterment of the society. The event was concluded by distribution of prizes to the winner and certificates to all the participants.





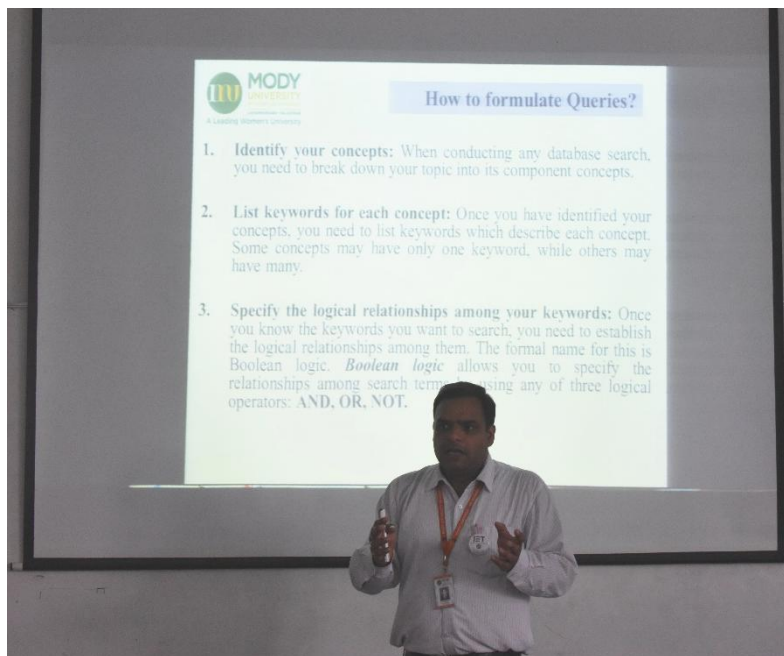
- **EFFECTIVE USE OF GOOGLE SEARCHING TECHNIQUES IN ACADEMICS AND RESEARCH**

On 27th February 2020 IET (The Institute of Engineering and Technology) On Campus conducted a workshop in ABB-01, School of Engineering and Technology (SET), Mody University of Science and Technology (MUST). The workshop on “Effective use of Google Searching Techniques in Academics and Research” was conducted by **Dr. Anil Saroliya**, Associate Professor of CSE, SET, MUST.

The workshop started with a basic understanding of web, how can one access the information from the web, url, search engines with their working, simple and advance search and invisible web. After clearing the basic concepts of web, the insights of the simple web searching techniques were given to students. These simple techniques included keyword searching and the methods to reduce the number of search results, specific website searching and searching page titles. Then the students were briefed about the tools that google provides like the google images, google calculator, google glossary etc. After that the students were told how to do intitle searching in page titles and urls. Searching a specific type of file on a particular website was also demonstrated. The event concluded with the practical implementation and queries from the students.

There were approximately 40 participants from Management, Law and Engineering Schools of Mody University. The students showed great enthusiasm in attending the workshop.

The workshop was organized to make students aware about the effective way of searching on google to get their desired outputs with limited amount of search results. All-in-all, the workshop filled the students with great knowledge and understanding.



• NATIONAL LEVEL WORKSHOP ON “INTERNET OF THING”

On, 25th-26th February 2020, Two days National workshop on “Internet of Things” was organized by **Compucom Institute of Information Technology & Management, Jaipur** for future technocrats to make them aware about the New Edge learning with the recent industry scenario. Approximate 110 students of BCA, MCA and B.Tech had participated in the workshop. This workshop was conducted by **Dr. Anil Saroliya, Associate Professor, CSE, SET**. All the participants showed their interest by providing valuable thoughts for the implementation of IoT enabled solutions those will be beneficial for our society. Dr. Saroliya presented a model to the students through which he shared ideas on how we can generate more possibility of earning in

villages rather than cities, so that advancement can be shift from cities to villages; villages will also become smarter along-with cities. After the workshop session, all the participants competed for a task where they had to present their idea about the use of IoT for the betterment of the society. The event was concluded by distribution of prizes to the winner and certificates to all the participants.



- **SMART INDIA HACKATHON 2020**

Smart India Hackathon 2020 is a nationwide initiative to provide students a platform to solve some of the pressing problems we face in our daily lives, and thus inculcate a culture of product innovation and a mind-set of problem-solving. In SIH 2020, the students would have the opportunity to work on challenges faced within various Ministries, Departments, Industries, PSUs

and NGOs to create world-class solutions for some of the top organizations including industries in the world, thus helping the Private sector hire the best minds from across the nation.

Smart India Hackathon Prelim Round was held in Mody University of Science and Technology, Lakshmangarh on 1st February 2020. 19 teams registered for the Prelim Round out of which 13 were shortlisted after the scrutiny round.

The event commenced with motivational words of Dr. A. Senthil, HOD (CSE), Mody University, Dr. Praneet Saurabh, Associate Professor, CSE, MUST, Dr. Prateek Bhanti, Associate Professor, CSE, MUST and Dr. Sunil Kumar Jangir, SPOC SIH 2020, Mody University. Their words helped students to stay motivated and in getting more insights about the Smart India Hackathon. Then all the teams had a discussion with the mentors. We had a pool of mentors- Dr. Vinod Maan, Dr. Niranjan Lal, Dr. Ajay Kumar Singh, Dr. Praneet Saurabh, Mr. Vinay Verma, and Mr. Vishal Sharma for guiding students and help them improve their ideas.

Dr. Sanjeev Jakhar, Dr. Manish Kumar and Dr. Dinkar Verma judged the ideas of teams on the basis of their *Solution Approach, Criticality, Impact, Ambitiousness, Innovation, and Execution*. 7 teams were nominated for Power Judging round, in which teams were scored on the basis of *Presentation, Criticality, and Showcase*. After the completion of power judging round top 5 teams with the highest score were shortlisted. *Team Code Voyage* and *Tech Phantoms* bagged the first position with the same score, team *Webappers* stood second and third position was again a tie between team *Meraki* and *Annotators*.

The whole event was co-ordinated by SPOC SIH 2020 Dr. Sunil Kumar Jangir, Assistant Professor, CSE, with the support and guidance of Management, Faculties, and Technical staff. This event could not be successful without the support of technical societies of Mody University of Science and Technology- IET Chapter, IEEE chapter and CSI chapter.





➤ **FACULTY ACHIEVEMENTS/ OTHER ACTIVITIES**

● **Academic Leader of the Year award to Dean SET**

Dr. V K Jain, Dean SET, Mody University has been awarded with ‘Academic Leader of the Year 2019’ award by Integrated Chambers of Commerce and Industry on 27th July 2019 at India International Centre, New Delhi. Dr. Jain has been honored for his dedication and exemplary contribution towards leadership and innovation for last 23 years in Academics, Research and Institution Building. The award was presented to him by Dr A P Mittal, Member Secretary, AICTE, Dr Arun Kumar, EX MP; and Mr Arindam Lahiri, CEO ASDC, NSDC at the Leadership and Innovation Summit held at India International Centre in New Delhi.



● **Dr Niranjn Lal was invited as invitee keynote speaker in ICFCCT-2019**

Dr Niranjn Lal was invited as invitee keynote speaker in the 2nd International Conference on Future Communication & Computing Technology ICFCCT-2019, on 18th July 2019 held at Meerut Institute of Engineering and Technology, Uttar Pradsh. He has delivered a talk on “Ethical Hacking”.

एथिकल हैकिंग में रोजगार की संभावनाएं : डा. निरंजन

मेरठ (एएनएनबी)। आईएम विद्या मेरठ इन्स्टीट्यूट ऑफ इंजीनियरिंग एंड टेक्नोलॉजी में चल रहे दो दिवसीय 'एथिकल हैकर और कंप्यूटिंग प्रौद्योगिकी' विषयक अंतरराष्ट्रीय सम्मेलन के समापन सत्र में मेरठे यूनिवर्सिटी राजस्थान के प्रोफेसर डा. निरंजन लाल ने एथिकल हैकिंग विषय पर व्याख्यान देने हुए कहा कि जैसे-जैसे अंतरनेट की निर्भरता इतने-से बढ़ती जा रही है, इतने-से तेज़ाकी सिबरसेफ्टी चुनौती बन रही है। इस विचार में एथिकल हैकिंग के माध्यम से डिजिटल दुनिया में कहीं जगह होगी। हर कंपनी अपने आंकड़ों को सुरक्षित रखने या डिजिटल कंपनी को रकबेडि को सुरक्षित के लिए एथिकल हैकिंग करने लगे है। इन्वैसिव एथिकल हैकिंग में रोजगार के सुनारे जागृत है।

मेरठे यूनिवर्सिटी राजस्थान के प्रोफेसर डा. निरंजन लाल ने कहा कि एथिकल हैकिंग एक तरह से अदृष्टि सिबरसेफ्टी को जगृत करती है। इसमें वह सभी सुविधाएं होती है जो एक हैकर में होती है, लेकिन इन सुविधाओं का इस्तेमाल वह कम्यूनिटी व सहायक वर्गों में सुरक्षात्मक उद्देश्यों के लिए करते हैं। इसे सुरक्षित, मैकेनिकल टेस्टिंग या आइएट हैकर भी कहते हैं। यह कंपनी के इन्फार्मेशन सिस्टम को ब्लैकमैज हैकिंग से सुरक्षित रखते हैं, जो बाहरी चुनौती है। एथिकल हैकिंग प्रोफेसर्स को बंग लक्षणा कह रही है। सम्मेलन में सभी विभागीय और अख्येजको को मनासिद्धक सेलिब्रिटी समारोह

आईआईएमटी में अंतरराष्ट्रीय सम्मेलन संपन्न

प्रदेश पत्र के अनुसार मुकेश रावत, अंकुर गर्ग, डा. विद्या कुम्वर, पुनीत मिश्र, अजय चौरी, विद्यावत चौधरी भी मौजूद रहे।

मेरठ पत्र के प्रमाण यह एवं प्रोफेसर निरंजन देवकर सम्मेलन किया। इन्स्टीट्यूट पर इंजीनियरिंग विभाग एंड एथिकल हैकिंग के गोर्गोस यह भव्य सम्मेलन में सभी को बर्षाई है। इस दौरान तीन एथिकल हैकिंग प्रोफेसर प्रोफेसर जय, विद्यावत रावत, पुनीत मिश्र, अजय चौरी, विद्यावत चौधरी भी मौजूद रहे।

- **Keynote Talk Delivered by Dr Anand Sharma at Malaysia**

Dr Anand Sharma delivered a keynote talk at 2nd International Conference on Enhancement & Innovations in Exploring Engineering (ICEIEE-2019) Kuala Lumpur, Malaysia on 12th July 2019.



- Dr V K Jain Dean-SET has been included as Subject Matter Expert for PhD Program in CSE by Rajasthan Technical University, Kota.
- Dr V K Jain Dean-SET has been appointed as a reviewer in International Journal of Information Technology (Springer).
- A Project submitted by Dr Niranjana Lal titled “ A Collaborative Approach for Building a Research Database System for an Organization” has been selected by AICTE, under Collaborative Research Scheme (CRS), TEQIP III. Grant approved is Rs. 1176000/- and duration of project is 1 year.
- **Dr V K Jain Delivered Keynote Speaker at ISTD, Dehradun Chapter**

Dr V K Jain, Dean SET has delivered a Keynote address in an International Conclave on Spirituality and Happiness at Workplace organized by ISTD Dehradun Chapter at Graphic Era Hill University, Dehradun on 9-10 August, 2019. He was one of the 20 experts invited from various countries. The Program was attended by around 500 professionals from Academia, Industry and Students. In his address he spoke about Importance of Spirituality and the Obstacles in practicing it. He also highlighted that how Individual as well as organization Spirituality can be achieved by practicing ksama, arjav, mardav, satya, sauch, sanyam, tap, tyag, aakinchan and brahmcharya, non-violence and non-stealing. He also explained the Chankya's Saam, Daam, Dand and Bheda for practicing in a positive manner to improve organizational effectiveness. The Session was well received by the audience.



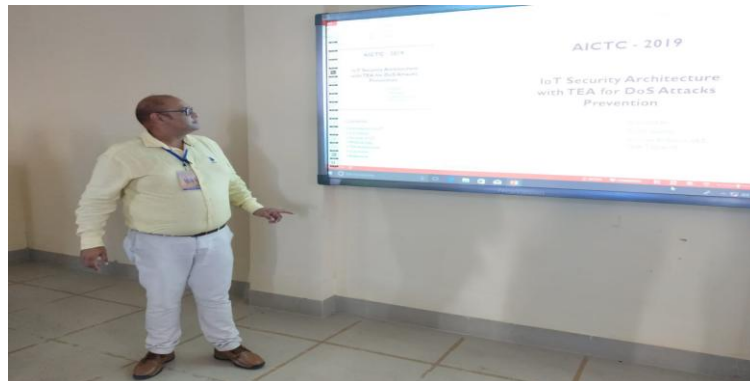
- Dr. A Senthil was invited as Ph.D Examiner at Sathyabama Institute of Science and Technology, Chennai, India on 20th August, 2019.



- Mrs. Aditi Kajala, Assistant Professor, Computer Science and Engineering, has successfully completed the SWAYAM-NPTEL Online Course Introduction to Machine Learning on October 16, 2019.
- Dr Anand Sharma delivered a keynote address in “International Conference on Advances in Information Communication Technology & Computing (AICTC-2019)” Organized by Govt. Engineering College, Bikaner on November 9, 2019.



- Mr Vishal Sharma has given oral presentation on “IoT Security Architecture with TEA for DoS Attacks Prevention” in International Conference on Advances in Information Communication Technology & Computing (AICTC 2019) at Govt. Engineering College, Bikaner on November 9, 2019.



- Mr Vinay Verma has given oral presentation on “Theft Security System for Automatic Teller Machines using IoT” in International Conference on Advances in Information Communication Technology & Computing (AICTC 2019) at Govt. Engineering College, Bikaner on November 9, 2019.



- Dr Uma Kumari from Computer Science Department has successfully completed the NPTEL Online Course **Python for Data Science** on 16th November. This was 4 week course conducted by IIT Madras and there were two exams: Programming and Proctored.
- Mrs. Aditi Kajala, Assistant Professor, Computer Science and Engineering, has successfully completed the SWAYAM-NPTEL Online Course – Deep Learning Part 1 on October 16, 2019.
- Dr Sanjeev Patwa from Computer Science Department has successfully completed the NPTEL, AICTE Faculty Development Program course on software Engineering.
- The 1st FICR International Conference of Rising Threats in Expert Applications & Solutions, 2020 organized by the Department of Computer Science & Information Technology at IIS (deemed to be University), Jaipur, held on January 17-19, 2020. To attend the conference as a member of the session chair and empower my knowledge in the fields of Machine Learning and Real-Time applications of Deep Learning. Dr, Vijay Singh Rathore encouraged Dr. Sunil Kumar Jangir, Assistant Professor, Department of Computer Science and Engineering, Mody University of Science and Technology, Lakshmanagarh.



- The 4th International Conference on Information and Communication Technology for Competitive Strategies (ICTCS-2019) organized by the BHUPAL NOBLES' UNIVERSITY, UDAIPUR, India , held on December 13th-14th, 2019 provided a platform to learn about new and emerging technologies. Dr. Sunil Kumar Jangir, Assistant Professor, Department of Computer Science and Engineering, Mody University of Science and Technology, Lakshmanagarh was invited as a part of this conference as the member of the session chair for the evaluation of the research papers that foreground the usage of information systems, distributed AI, intelligent agents, and collaborative work, to explore and discuss various aspects of design and development of intelligent technologies.



- An International Conference of Information Management (ICIMMI-2019) under the scheme TEQIP-III (RTU-ATU) organized by Poornima Institute of Engineering & Technology, Jaipur on 14-15, December 2019. This conference turned out to be a great platform to provide opportunities for Researchers, Academicians, Industry persons and students to express and communicate data, skill and proficiency in the recent development and strategies in respect to the Information Management & Machine learning. Dr. Sunil Kumar Jangir, Assistant Professor, Department of Computer Science and Engineering, Mody University of Science and Technology, Lakshargarh was one of the prominent members of the session chair and showcased his skills in the arena of the new emerging technologies.



- Dr. Prateek Bhanti participated in Faculty development programme (Online live instructor-led) on "**Machine learning using python**" conducted by EICT, Indian Institute of Technology, Roorkee from 21st April to 29th April, 2020. The EICT courses are recognized by AICTE at par with QIP for recognition/credit.
- Dr. Prateek Bhanti attended a National Webinar on "**Applications of Mathematics and Contemporary use of its Scientific & Technical Terminologies in Hindi**" organized by CSTT, Department of Higher Education, Ministry of Human Resource development from 14-16 June, 2020.
- Mr. Siddhant Kumar Singh attended one day webinar on "**Education for Gen Z Life from the prism of Literature**", by Manipal University, Jaipur on 20th June.

- Mr. Siddhant Kumar Singh participated one week online IFDP on "**Tips and techniques of writing international quality research paper**", by eBizee institute of IB and Entrepreneurship LLP, India from 15th to 19th June.
- Dr. Uma Kumari participated in Online Faculty Development Program (FDP) "**Are You IoT Ready? Join Configuration of Smart Home using CISCO Packet Tracer**" hosted by Department of Computer Science & Engineering, JAIN Deemed to be University, on May 23, 2020.
- Dr. Uma Kumari participated and successfully completed Moodle Test for Teachers test organized at Guru Nanak Dev Engineering College with course material provided by the Spoken Tutorial Project, IIT Bombay on 2nd May 2020. This training is offered by the Spoken Tutorial Project, IIT Bombay, funded by National Mission on Education through ICT, MHRD, Govt., of India.
- Ms. Aditi Kajala passed an 8 week (Jan- March 2020) NPTEL online certification course conducted by IIT Madras on "**Practical Machine Learning with Tensor flow**".
- Ms. Aditi Kajala passed a 12 week (Jan- April 2020) NPTEL online certification course conducted by IIT Roorkee on "**Data Analytics with Python**".
- Ms. Aditi Kajala has successfully completed "**Introduction to Deep Learning**" course organized by National Research University Higher School of Economics and offered through Coursera in June 2020.
- Ms. Aditi Kajala has successfully completed "**How to Win a Data Science Competition: Learn**" course organized by National Research University Higher School of Economics and offered through Coursera in June 2020.
- Ms. Aditi Kajala has successfully completed "**AI for Medical Diagnosis**" course authorized by deeplearning.ai and offered through Coursera in June 2020.
- Dr. Anil Saroliya has successfully completed "**Neural Networks and Deep learning**" course authorized by deeplearning.ai and offered through Coursera in June 2020.
- Dr. Anil Saroliya has successfully completed "**AI for Everyone**" course authorized by deeplearning.ai and offered through Coursera in June 2020
- Dr. Anil Saroliya has successfully completed "**Neural Networks (ANN) using Keras and Tensor Flow in Python**" course authorized by Udemy in June 2020.
- Dr. Anil Saroliya Participated and Successfully completed of Five day Skill Enhancement program (09-13 June 2020) on "**Deep Learning**" conducted by Forsk Coding School, Jaipur.
- Dr. Anil Saroliya Participated in Three day FDP program (12-14 June 2020) on "**Data Science with Python Programming**" organised by Department of Computer and Electronics, Smt. KWC College, Sangli, Maharashtra.
- Dr. Anil Saroliya Participated and Successfully completed of Five day Faculty Development program (02-06 June 2020) on "**Python and Emerging Trends in Machine Learning**" conducted by Forsk Coding School, Jaipur.
- Dr. Anil Saroliya Participated in a quiz competition on "**TEST YOUR KNOWLEDGE ON PLAGIARISM**" organised by Office of Dean (Research), Crescent Institute of Science and Technology, Vandalur, Chennai (scored 73% marks) in May 2020.
- Dr. Anil Saroliya Participated and successfully completed online **COVID-19 Awareness Quiz** on May 18, 2020, conducted by Maharishi Markandeshwar University, MULLANA, AMBALA.

- Mr Vishal Sharma Passed an 8-week (Feb-Apr 2020) NPTEL online certification course conducted by IIT Kanpur on **"Introduction to Blockchain Technology and Applications"** with 78% Score.
- Mr Vishal Sharma Passed a 4-week Coursera online certification course conducted by **"The State University of New York"** on **"Blockchain Basics"** with a grade of 93.8%.
- Mr Vishal Sharma Participated in the one day national level webinar on **"Data Science for Prediction of Outbreak of COVID-19"** on 12th June 2020 organized and conducted by Department of Computer Applications, Faculty of Science, Manipal University Jaipur.
- Mr Vishal Sharma Participated in the one day national level webinar on **"Blockchain and its Applications"** on 14th June 2020 organized and conducted by Department of Computer Science and Engineering, KLE DR. M. S. Sheshgiri College Of Engineering And Technology, BELAGAVI.
- Mr Vishal Sharma Participated in the one day national level webinar on **"Data Analytics with R"** on 18th June 2020 organized and conducted by Faculty of Computer Applications, Marwadi University, Rajkot, Gujrat.
- Mr Vishal Sharma Participated in the one day national level webinar on **"Blockchain for IoT"** on 20th June 2020 organized and conducted by Department of Computer Science and Engineering, Proudhadavaraya Institute of Technology, Hosapete, Karnatka.
- Mr. Rajesh Yadav attended one day webinar 30th may on **"Application Development in Cloud"** organized by Department of Information Technology, Sadakathullah Appa College, Tirunelveli, Tamil Nadu.
- Mr. Rajesh Yadav Participated 1 week online IFDP 12th to 17th June on **"Digital Learning with Multidisciplinary Approaches (DLMA)"** organized by Department of MCA, JSS Academy of Technical Education, Noida, U.P.
- Dr. Vikas Raina has successfully completed his participation in the Webinar on **"Industrial Attributes & Role of IoT during COVID-19"** Dated 08-09 June 2020 organized by Department of Electronics & Communication Engineering, Teerthanker Mahaveer University, Moradabad in association with Softpro India Computer Technologies Pvt. Limited.
- Dr. Vikas Raina has successfully completed 4 weeks course **"Introduction to the Internet of Things and Embedded Systems"** an online non-credit course authorized by University of California, Irvine and offered through Coursera from 25 April-25 May 2020.
- Dr. Vikas Raina has successfully completed 5 days online STTP on **"Sensor, IoT & Machine Learning"** from 1st June 2020 to 5th June 2020 conducted by, K. J. Somaiya College of Engineering, Vidyavihar, Mumbai.
- Dr. Vikas Raina has actively participated in One Day WEBINAR on **"Smart Energy Solutions to Boost Power Sector Economy During Pandemic"** organized by Department of Electrical Engineering under the aegis of Institution Innovation Council, on Saturday 06 June 2020.

3.2 Department of Electronics & Bio-Medical Engineering

The Department of Electronics and Bio-Medical Engineering is involved in providing quality education at Under Graduate (UG) education exclusively meant for women candidates. The department has a rich tradition of teaching and research and is widely recognized to be a pioneer in Electronics and Communication Engineering education in India. As it reached its heights, more and more, it started adding PG programs in VLSI design and Wireless Communication Technology; it offers PhD programs in the areas of VLSI Design, Communication System & Engineering, Sensor Networks, Mobile and Wireless Communication etc, which provides a platform exclusively for bright young women graduates and postgraduates to conduct research in state-of-the-art technologies.

Biomedical engineers analyze and design solutions to problems in biology and medicine, with the goal of improving the quality and effectiveness of patient care. Biomedical engineers design electrical circuits, software to run medical equipment, or computer simulations to test new drug therapies. They also design and build artificial body parts such as hip and knee joints. In some cases, they develop the materials needed to make the replacement body parts. They also design rehabilitative exercise equipment. Some specialty areas within biomedical engineering include bioinstrumentation; biomaterials; biomechanics; cellular, tissue, and genetic engineering; clinical engineering; medical imaging; orthopaedic surgery; rehabilitation engineering; and systems physiology.

➤ Objectives

- To train students so that they will be able to indigenously build and confidently handle electronics systems, equipment and component with creativity and critical spirit in the technological development viable for our country.
- To enable students to innovate, design and develop multi-disciplinary products and equip student with technical and communication skills in order to be able to perform in organizations globally.
- To build strong fundamental knowledge amongst student to pursue higher education and continue professional development in Electronics & Communication and other related fields.
- To enable students to design systems and products, such as artificial internal organs, artificial devices that replace body parts, and machines for diagnosing medical problems.
- To train clinicians and other personnel on the proper use of equipment.

The Departmental Board of Studies (BOS) and Academic Planning Committee (APC) of the department of regularly meet to decide and incorporate changes in the structure of the syllabi and its contents as per the present needs.

➤ Departmental Activities

• GUEST LECTURE ON “BIOMECHANICS AND HUMAN LOCOMOTION”

A guest lectures on “Biomechanics and Human Locomotion” was organized by department of Biomedical Engineering on 10th October 2019 in ABB 32. Dr. R. P. Tewari, Professor Department of Applied Mechanics (Biomedical Division) MNNIT Allahabad, Prayagraj delivered the lecture. All the student of biomedical engineering and faculty attended the lecture. In his lecture, Prof.Tewari discussed about biomechanical analysis of human locomotion for development of prosthetics and assistive devices. He also suggested the students for doing small projects in lower semesters before attempting major project in final year. At the end of the guest lecture, students gave their feedback. Earlier Dr. Sandeep jaiswal, Senior HOD, BME department introduced the speaker to the students and welcomed him and at the end of lecture proposed the vote of thanks.



• GUEST LECTURE ON “BIOMECHANICS OF JOINT AND SELECTION MEDICAL IMPLANT”

A guest lectures on “Biomechanics of Joint and selection and Testing of medical implant” was organized by department of Biomedical Engineering on 11th October 2019, 11 AM to 1 PM in ABB 32. Dr.S.K Rai, Associate Professor School of Biomedical Engineering, IIT- BHU Varanasi delivered the lecture. Dr. Sanjay Rai discussed various synovial joints in human body and their mechanics. He also explained what parameter to be considered while selecting materials for implant device like femur bone, hip replacement & spinal cord and their mechanical testing. All the student of biomedical engineering and faculty attended the lecture. At the end of the guest lecture, students gave their feedback. Earlier Dr. Sandeep Jaiswal, Senior HOD, BME department introduced the speaker to the students and welcomed him and at the end of lecture proposed the vote of thanks.



- During this year, two faculty members were awarded or completed their PhD degree.
- Dr Satyajit Anand from Electronics and Communication Department has successfully completed the NPTEL Online Course Digital Signal Processing on 16th November.
- Dr Satyajit Anand has been shortlisted as *NPTEL Translator*.
- Dr Jeetu Sharma has successfully completed 4 weeks course **“Introduction to the Internet of Things and Embedded Systems”** an online non-credit course authorized by University of California, Irvine and offered through Coursera from 3 April-3 May 2020.
- Dr. Jeetu Sharma has actively participated in One Day WEBINAR on **“Smart Energy Solutions to Boost Power Sector Economy During Pandemic”** organised by Department of Electrical Engineering under the aegis of Institution Innovation Council, on Saturday 06 June 2020.
- Dr. Jeetu Sharma has successfully completed 5 Days online STTP on **“Sensor, IoT & Machine Learning”** from 1st June 2020 to 5th June 2020 conducted by, K. J. Somaiya College of Engineering, Vidya vihar, Mumbai.
- Dr. Jeetu Sharma attended webinar on **“Advancement in Microcontroller and Its Real Time Application”** organized by Department of Electrical Engineering and Electronics & Communication Engineering on June 5th, 2020.
- Dr. Purnima Sharma has successfully completed, **“Introduction to Communication Science”**, course authorized by University of Amsterdam and offered through Coursera. She has scored 90.2 % grade. This course introduces the field, basic theories, models and concepts related to the communication science
- Dr. Jeetu Sharma attended one week online Faculty Development Programme on **“Role of Energy Management in Smart City”** organized by Department of Electronics Engineering and Department of Mechanical Engineering, School of Engineering and Technology, Sharda University, Greater Noida, Uttar Pradesh from 15-19 June 2020.
- Dr. Jeetu Sharma attended Webinar on **artificial intelligence** on 22 June 2020 conducted by IEC-CET greater noida.

3.3 Department of Energy Engineering

The Department of Energy Engineering is involved in providing quality education at Undergraduate (UG), Post Graduate (PG) and Doctoral Levels. The Department of Energy Engineering comprises of three major streams like Mechanical, Electrical and Nuclear Engineering. Board of Studies (BOS) and Academic Planning Committee (APC) regularly meets to decide the change in the structure of the syllabi and its contents as per the current needs.

➤ Objectives

- To churn out women mechanical engineer having competitive edge over others in the same profession in India and abroad.
- To churn out a few students for lifelong learning in mechanical engineering.
- To train a few students for entrepreneurship.

➤ Short Term Goals of the Department

- To achieve good results in the examinations.
- To place students in reputed industries.
- To develop state of the art laboratories.
- To depute faculty members for higher studies / trainings in India and abroad.
- Joint collaboration with reputed premier institutions and research organizations.
- To carry out good quality research work.
- To impart training in soft skills & personality development.

➤ Long Term Goals of the Department

- To establish the department as an ideal learning, teaching & research place in the world.
- To establish centres of excellence in various fields.
- To enhance Industry Institute interaction.
- To strive hard to meet the social, ecological and ethical.

➤ **Departmental Activities**

- Dr. Sanjeev Jakhar attended a meeting at IIT Delhi on August 21, 2019 to present the research project on fully renewable energy based cold storage for perishable items. This meeting was organized by Ministry of Science and Technology and Department of Science and Technology New Delhi, Govt. of India.



- **PROF. N. K. JOSHI VISIT TO PDPU, GANDHINAGAR**

Prof. N. K. Joshi was invited to give lecture on “Radioactive sources- Categorization, Regulations and Disposal” in Training Course on Nuclear Safety and Security Organized by PDPU, World Institute of Nuclear Security, Vienna and Los Alamos National Laboratory, USA during Sept.4-6, 2019 at Ahmadabad. Mr. Adithya Nair, Lecture, DNST and two students of B. Tech. (NST) Ms. Kruti Mehta and Ms. Tanavi Agarwal have also actively participated in the training course. The event was fully sponsored by the organizers.





- **PARTICIPATED IN TRAINING COURSE & INDUSTRIAL VISIT**

Dr. Sudatta Ray, Assistant Professor, Department of Nuclear Science and Technology and Ms. Kruti Mehta and Ms. Tanvi Agarwal, third year B. Tech. (NST) students have participated in training course on “Integrated Nuclear Safety and Security Culture” at Amity University, Noida. The training course was organized in cooperation with WINS Academy and Oak Ridge national Laboratory, USA during 26-28 Sept. 2019. This event was fully sponsored by organizers. The faculty and students had an industrial trip and visited “Inter University Accelerator centre (IUAC)”, New Delhi on 25th Sept, 2019.





- **WEBINAR ON VIRTUAL REALITY SOLUTIONS**

Mechanical Engineering Department organized a webinar on VRS on 12/09/2019 under the mentorship of Dr.Atul Kumar & Dr.Vivek Pandey. The students of Mechanical Engineering and Nuclear Science & Technology attended the webinar held at room no.32. The webinar demonstrated the CAD to VR transformation platform process using EXXAR CAD which brings us to Exxar CAD, a CAD to VR transformation platform, which (transforms) the Navisworks format into virtual reality solves the limitation of immersion, visualization, navigation and interaction with the desired model, and it does all of that in 1:1 scale.

Now you can load your native CAD model in VR in a single click and perform a host of basic to advanced design reviews using the digital mockup features of the platform. You can translate the position of parts in the model while checking not only for accessibility but also to see if there is any interference between two or more parts caused due to the translation. You can use the X-Ray feature to visualize underlying parts in dense or multi layered assemblies. The Human Avatar in the Virtual Environment, making for a more accurate Human Centric Validation for Model Inspections, Tool Interactions, blind zone visualization and accessibility of critical part was also demonstrated. Webinar was ended with question answer session.



- **STUDENT SOLAR AMBASSADOR WORKSHOP IN COLLABORATION WITH IIT BOMBAY**

On 2nd October 2019, Department of Mechanical Engineering, SET, Mody University of Science and Technology Lakshmangarh organized a Student Solar Ambassador Workshop in collaboration with IIT Bombay. This workshop is the seed concept of the Gandhi Global Solar Yatra, aimed to sensitize the young (future) generations who will be bearing the maximum burden of climate change. This was a mega-global event, wherein **more than 1 million students from over 180 countries participated** marking the 150th birth anniversary of Mahatma Gandhi, who epitomized the cause of non-violence (principles).

The workshop was inaugurated with lamp lighting and an informative speech on the importance of solar energy in India by Prof. (Dr.) V. K. Jain, Dean, SET. Prof. Jain discussed that the most of the energy which is used today is in the form of fossil fuels, if the current trends of energy use and demands continue then the supply of fossil fuels are predicted to be exhausted within 50-100 years from now. He motivated to students to use solar energy to develop new solar energy based projects for research. The other faculty members including Prof. N. K. Joshi (HoD-NST), Dr. Atul Kumar (HoD-ME), Dr. Sanjeev Jakhar and Mr. Vikrant Sharma were present and lighted the lamp during inauguration.

Later, online lecture was delivered by Prof. (Dr.) Chetan Solanki, Professor, IIT Bombay which discussed the importance of energy for future growth. It was delivered that there are more than 23 million households in India which are still without electrical power. With the use of solar energy the electricity demand of remote locations can be met easily. Prof. Solanki also discussed about the importance of solar workshop and solar study lamp. He told that there is urgent need to control global warming to sustain human life on earth.

After the valuable speech/lecture of Prof. V. K. Jain and Prof. Chetan Solanki, students were divided in six groups multiple of 25 and send to respective labs having master trainers. Total six master trainers were identified for this workshop from SET-MUST. All trainers successfully have been earned the training from IIT Bombay with the certified marks. The trainers gave the training to all participating students on workshop day. Students, with the help of trainers, understood each component of their solar study lamp and assembled it.

In the workshop, more than 150 students of SET, Mody University assembled their own solar study lamp from the kit provided by IIT Bombay. The main aim of the workshop was to provide basic knowledge about solar energy to the students. In the end, all the students, master trainers and Dean SET clicked a group photograph in front of Acharya Brihaspati Bhawan (ABB). With a group photograph, students also took oath to create awareness and do efforts to reduce global warming. In the end, the workshop was concluded by Dr. Sanjeev Jakhar (Coordinator) and Mr. Vikrant Sharma (Co-Coordinator) by giving vote of thanks to the participants, all master trainers and IIT Bombay.



- **WORKSHOP ON AUTO CAD AND ANSYS**

A one day Workshop on Auto cad and ANSYS was organized on 15th October 2019 by the Mechanical engineering department, School of Engineering and Technology. The workshop was conducted by DUCAT Noida and the resource persons were Mr. Rupesh Goyal and Mr. Sandeep Chaudhry. AutoCAD is used for making 2D drawings, drafts, and documents, as well as, 3D models and visualizations. Its 2D drawing, drafting, and annotation features include the capability to control the appearance of texts, create dimension styles automatically, link and update data between Microsoft Excel spreadsheets and tables within drawings, and work with dynamic blocks. The 3D CAD program offers 3D modeling and visualization features and functionalities. One of them is the capability to apply different 3D modeling techniques so they can create realistic 3D models of products and their parts. Thus, the program enables them to build 3D wireframes, solids, surfaces, and meshes.

Rapidly explore ideas, iterate and innovate with ANSYS Discovery 3D design software. With the easy-to-use tools, you can build and optimize lighter and smarter products. ANSYS Discovery Live introduces the first-ever, interactive topology optimization tool for generative design, as well as new simulation functionality, including mass flow outlets and time varying inputs for transient studies. ANSYS 18.2 includes 3D Design, Additive Manufacturing, Electromagnetic, Fluids, Materials, Semiconductors, and Structures etc. Such workshops will not only boost the knowledge of the students but also helps bridge the gap between the Industry and the Institute. The coordinators of the workshop were Dr. Atul Kumar and Mr. Mukul Kant Paliwal.



- **KEYNOTE LECTURE AT MANDA INSTITUTE OF TECHNOLOGY, BIKANER**

Dr. Sanjeev Jakhar, Assistant Professor, Mechanical Engineering Department delivered a keynote lecture in national workshop on “Renewable Energy Sources and Environmental Impact (NWRES&EI-2019) held on October 22, 2019 at Manda Institute of Technology Bikaner, Rajasthan. The title of the keynote lecture was “Solar Power: A Promising Solution of Renewable Energy”. The lecture emphasizes on the issues, challenges and applications of various solar systems like PV, CPV, solar tower and solar furnace, etc.



• PROPOSAL PRESENTATION FOR DST

"Industry 4.0 Success factor and Challenges: An empirical study of Indian Manufacturing Industries"

It has been a great experience attending a meeting to present this proposal before the Program Advisory Committee (PAC) of National Science & Technology Management Information System (NSTMIS) on October 19, 2019 at 9:30 AM at Dronacharya College of Engineering, Gurugram conducted by Department of Science and Technology (DST), Government of India.

In the meeting, from more than 500 submissions, 50 proposals were selected for the final presentation. In my presentation, I focused on the following points

- Introduction to Industry 4.0
- Literature and research gap
- Research objective
- Methodology
- Outcome

PAC very well takes my presentation, and I am expecting a positive outcome from this presentation.

I want to express my heartfelt thanks to NSTMIS, DST, for giving this chance to present the proposal. I also thank Dean SET, Mody University of Science and Technology, to encourage us to write this proposal.

- **PROF. N. K. JOSHI & B. TECH. (NST) STUDENTS PARTICIPATED IN WORKSHOP**

Prof. N. K. Joshi and four students of B. Tech. (NST) namely Ms. Kruti Mehta, Ms. Tanvi Agarwal, Ms. Ridhi V Raaj and Ms. Radhika Mishra participated in “Training Workshop on Developing Emerging Nuclear Security Practitioners” at PDPU, Gandhinagar during Nov. 20-22, 2019. The workshop was jointly organized by Pacific Northwest National Laboratory, USA, Texas A&M University, PDPU, GFSU and Gujarat University. Prof. Joshi was a panel member on the discussion “How Nuclear Engineers & Scientists can become Nuclear Security Practitioners”. The workshop was fully sponsored by organizers.



- Dr. Sanjeev Jakhar attended a meeting at Birla Institute of Scientific Research Jaipur on November 29, 2019 to present the IPR workshop proposal. This meeting was organized by Department of Science and Technology Jaipur, Government of Rajasthan.
- Dr. Atul Kumar, Associate Professor, ME Department, SET, Mody University has attended following two online workshops and also went through the evaluation.
 1. **Three days online workshop on "Design of Experiments: An Engineering Perspective"** conducted on 25th, 26th & 27th April 2020.
 2. **Two days online workshop on "Fuzzy Logic and Neural Network Approaches for Engineering Solutions"** conducted on 29th & 30th April 2020.
- Dr. Sanjeev Jakhar, Assistant Professor, ME Department, SET, Mody University, has participated in Faculty Development Program webinar on **"Intellectual Property Right"** from 16th to 22nd April 2020. The FDP was organized by patent information center & TISC, Department of Science and Technology (DST), Government of Rajasthan.
- Vikrant Sharma passed a 12-week (Jan-Apr 2020) NPTEL online certification course conducted by IIT Roorkee on **"Production and Operation Management"** with a 95 % Score.
- Vikrant Sharma participated in the one day E- Workshop on **"Research Methodology and Hypothesis"** on 14th June 2020 organized and conducted by Academic Research Practices.

- Dr. Atul Kumar has attended following three online workshops:
 1. Two days online workshop on **"Patent Drafting and Processing with Importance of Trademark and Copyright"** conducted on 06th & 07th May 2020.
 2. Two days online workshop & hands on training on **"Computer Aided Engineering (CAE) Analysis using Hyper Mesh and DEFORM-3D"** conducted on 16th & 17th May 2020.
 3. One day online workshop on **"How to write and publish research paper in Springer and Elsevier Journals"** by Indian academicians and researchers association (IARA) and Jharkhand Rai University on 1st June 2020.

- Dr. Sunita Kumari attended the Webinar on **"Electricity Market and Use of Block chain In Power Sectors"** on 23rd May, 2020.
- Dr. Vivek Pandey passed a 12-week (Jan-Apr 2020) NPTEL online certification course conducted by IIT Guwahati on **"IC Engine and Gas Turbine"** with a 78 % Score.
- Dr. Vivek Pandey participated in the one day E- Certificate course on **"Learn to Design your own Solar Home System"** on 12th May 2020 organized and conducted by Energy Swaraj Foundation.

4. FACULTY PUBLICATIONS:

List of Publications (July 2019- June, 2020)

4.1 Journal Publications

1. Rajesh Kumar, Prateek Bhanti, Avinash Marwal, "Gene Expression-Based Supervised Classification Models for Discriminating Early- and Late-Stage Prostate Cancer", vol. 8 (32), pp., ISSN: 2250-1746, July, 2019
2. Mukul Kant Paliwal, Vivek Pandey, Atul Kumar, "Technological Review on Green Fuel", IJREAM, vol. (Special Issue), pp.25-28, ISSN: 2454-9150, August, 2019
3. Vivek Pandey, Mukul Kant Paliwal, Vikrant Sharma, Atul Kumar, "Performance Characteristics of Diesel Engine on Sesame Oil- Diesel Blended Fuel", International Journal for Research in Engineering Application & Management (IJREAM), ISSN : 2454-9150, DOI :10.18231/2454-9150.2019.0539.
4. Puneet Kumar, Somil Jain, "Performance Estimation of Stochastic Gradient Descent Classifier Using Confusion Matrix and ROC curve", Mody University International Journal of Computing and Engineering Research, ISSN: 2456-9607, Vol. 3(1), Page (1-6), 2019
5. Ajay Kumar, V K Jain," Localization Technique for Wireless Sensor Network and Internet of Things", Mody University International Journal of Computing and Engineering Research, ISSN: 2456-9607, Vol. 3(1), 2019 Page (7-12)
6. Anushka Pandit, Anand Sharma," Penetrating Networks: Man in the Middle Attacks", Mody University International Journal of Computing and Engineering Research, ISSN: 2456-9607, Vol. 3(1), Page (13-16) 2019
7. SunitaKumari, Twinkle Garg, Sarvleen Kaur, P K Bishnoi," Smart Bag Anti-Theft System", Mody University International Journal of Computing and Engineering Research, ISSN: 2456-9607, Vol. 3(1), Page (17-21), 2019
8. Shubhi Jain, Atul Kumar, Mukul Paliwal, Vivek Pandey, "Wind-Solar Hybrid Power System", International Journal for Research in Engineering Application & Management (IJREAM), ISSN: 2454-9150, DOI: 10.18231/2454-9150.2019.0548
9. Vikrant Sharma, B.D. Gidwani, Vikram Sharma, "Causal Relationship among Critical Factors for Cellular Manufacturing System Using DEMATEL Approach", International Journal of Business and System Research, vol. (), pp., ISSN: , July, 2019
10. Vivek Pandey, Atul Kumar, Mukul Kant Paliwal, Vikrant Sharma, " Impact of internet of things (IoT) om Automobile", Mody University International Journal of Computing and Engineering Research, ISSN: 2456-9607,Vol. 3(1), Page (31-34), 2019
11. Gaurav Dhiman and P. K. Ghosh, "Threshold voltage modeling for nanometer scale junction less double gate MOSFET," The Indian Journal of Technical Education, vol. 40,

no. 4, pp. 48-53.

12. Niranjan Lal, "Research Challenges for Dataspace System and Big Data Using Artificial Intelligence", Mody University International Journal of Computing and Engineering Research, ISSN: 2456-9607, Vol. 3(1), 2019 Page (26-30)
13. Mini Agarwal, Puneet Kumar, "Controlling System Volume Using YOLO Deep Learning Algorithm through Hand Gesture Recognition." Mody University International Journal of Computing and Engineering Research, ISSN: 2456-9607, Vol. 3(1), 2019 Page (35-39)
14. Shobhit Verma, Vikas Raina, "Energy And Delay Optimized Protocol For Cognitive Network", International Journal of Innovative Technology and Exploring Engineering, vol. 8 (11), pp.2024-2028, ISSN: 2278-3075, September, 2019
15. Ajeet Kumar, Atul Kumar, Dr. T. Thirumalai & Naresh Kumar, "Thermal Performance Analysis on Staggered Finned Absorber Solar Air Heater", 2019-10-31 / 1191–1202/ Volume : 9-5 International Journal of Mechanical and Production Engineering Research and Development (IJMPERD), ISSN(P): 2249–6890; ISSN(E): 2249–8001, Vol. 9, Issue 5, Oct 2019, 1191–1202, © TJPRC Pvt. Ltd.
16. Arpit Shukla, S. Y Kumar, "Energy Potential of Sugar -Mill By Product Press- Mud Through Pyrolysis Process", International Journal of Mechanical and Production Engineering Research and Development, vol. 9 (Issue 5), pp. PP 147–156, ISSN: 2249–6890, October, 2019
17. Arpit Shukla, S. Y Kumar, "Life Cycle Analysis of Sugar Production process in Central India", International Journal of Scientific & Technology Research, vol. 8 (issue 11), pp. PP 2347-2350, ISSN: 2277-8616, November, 2019
18. Shobhit Verma, Vikas Raina, "Optimized Traffic Management For Improving Energy Efficiency In Cognitive Network", International Journal of Recent Technology and Engineering, vol. 8 (4), pp.3782-3785, ISSN: 2277-3878, November, 2019
19. Vikrant Sharma, B.D. Gidwani, "A Survey on the Status of Cellular Manufacturing System Implementation in Indian Manufacturing Industries", Journal of Production Research & Management, vol. 9 (3), pp.1-8, ISSN: 2249-4766, December, 2019
20. Uma Soni, Uma Kumari, "Smart Meter Data Transmission Using Programming Platform of PLC and HMI", Mody University International Journal of Computing and Engineering Research, vol. 3 (2), pp.84-89, ISSN: 2456-9607, December, 2019
21. Nikhil Gakkhar, Manoj K. Soni, Sanjeev Jakhar, "Second Law Analysis of an Integrated Parabolic Trough Photovoltaic Thermal System", AIP Conference Proceedings, vol. Accepted for Publication (), pp. Accepted for Publication, ISSN: 1551-7616, December, 2019

22. Shivangi Singla, Uma Kumari, "Analysis of Performance of Two Wavelet Families using GLCM Feature Extraction for Mammogram Classification of Breast Cancer", *Recent Advances in Computer Science and Communications*, vol. 12 (1), pp.1-7, ISSN: ISSN : 2666-2566, January, 2020
23. Purnima Sharma, P. P. Bhattacharya, "Design and Development of a New Wideband CPW Fed Patch Antenna for Wireless Communication", *EAI Endorsed Transactions on Internet of Things*, vol. 1 (4), pp.1-5, ISSN: 2414-1399 , January, 2020
24. Nitin Johri, R.K.Mishra, H.C.Thakur, "Synthesis and Characterization of Jute-CFF Reinforced Polymeric Hybrid Composites", *Springer's-Mechanics of Composite Materials*, vol. 54 (6), pp.821-832, ISSN: 1915665, January, 2019
25. Dilip Kumar Choubey, Manish Kumar, Vaibhav Shukla, SudhakarTripathi and Vinay Kumar Dhandhanania, "Comparative Analysis of Classification Methods with PCA and LDA for Diabetes", *Current Diabetes Reviews* (2020). Bentham Science Publisher, Indexed in Scopus, Emerging Sources Citation Index (ESCI). ISSN-1875-6417
26. Kumar, M., Mishra, S.K., Choubey S.K., "Cat Swarm Optimization based Functional Link Multilayer Perceptron for Suppression of Gaussian and Impulse Noise from Computed Tomography Images", *Current Medical Imaging* , vol. 16 (4), pp.329-339, ISSN: , February, 2020
27. Kumar, M., Mishra, S.K., "A Comprehensive Review on Nature Inspired Neural Network Based Adaptive Filter for Eliminating Noise for Medical Images", *Current Medical Imaging* vol. 16 (4), pp.278-287, ISSN: , February, 2020
28. Uma Soni, Uma Kumari, "Fault Analysis of Electric Power System using PLC and Wireless Communication System ", *International Journal of Engineering and Advanced Technology (IJEAT)* , vol. 9 (4), pp.2241-2246, ISSN: 2249 – 8958, April, 2020
29. Somil Jain, Puneet Kumar, "An efficient neural network based approach for the detection of breast cancer", *International Journal of Advanced Science and Technology*, vol. 29 (6), pp.1605-1613, ISSN: 2005-4238, May, 2020
30. Somil Jain, Puneet Kumar, "Accuracy Enhancement of the Base Classifier using Clustering and Ensemble Method for Breast Cancer Detection", *Journal of Advanced Research in Dynamical and Control System*, vol. 11 (6), pp.544-554, ISSN: 1943-023X, June, 2019
31. Nikhil Gakkhar, Manoj K Soni, Sanjeev Jakhar, "Experimental and theoretical analysis of hybrid concentrated photovoltaic/thermal system using parabolic trough collector", *Applied Thermal Engineering (Elsevier)*, vol. 171 (), pp. 115069-87, ISSN: 1359-4311 , May, 2020

32. Nikhil Gakkhar, Manoj K Soni, Sanjeev Jakhar, "Experimental investigation of exergy performance of a water cooled hybrid photovoltaic thermal collector", International journal of exergy, vol. 31 (4), pp.330-351 , ISSN: 1742-8300 , May, 2020
33. Kailash Choudhary, Sanjeev Jakhar, Nikhil Gakkhar, "Comparative Energy and Life Cycle Assessments of Photovoltaic Thermal System with Earth Water Heat Exchanger Cooling", Procedia CIRP, vol. Accepted for Publication (), pp.Accepted for Publication , ISSN: 2212-8271, June, 2020
34. Sanjeev Jakhar, Mukul Kant Paliwal and Atul Kumar, "Modelling and simulation of photovoltaic thermal cooling system using different types of nanofluids" Book Name:- Advances in Air Conditioning and Refrigeration, Springer Nature Singapore Pte Ltd., 2021, eBook ISBN:- 978-981-15-6360-7, DOI:- 10.1007/978-981-15-6360-7.
35. Vikas Raina, Ranjana Thalore, Jeetu Sharma, "Performance Estimation of a Wireless Sensor Network with a Mobile Sink Moving in Different Trajectories at Different Velocities", Recent Advances in Computer Science and Communications, Vol.(13), Issues (6) DOI: 10.2174/2666255813666191211115247, Free Scopus Indexed International Journal. ONLINE ISSN: 2666-2566

4.2 Paper presented in Conference

1. Ajeet Kumar, Atul Kumar, Praveen Saraswat, "Effect on COP due to superheating of refrigerant before compression while working under same operating pressure", International Conference on New and Renewable Energy Resources for Sustainable Future (ICONRER-2019) , pp., ISBN: , November, 2019, Skit Jaipur, India
2. Rajesh Yadav, Anand Sharma, "A Critical Review of Data Security in Cloud Computing Infrastructure", 4th International Conference on Cyber Security, pp.112-117, ISBN: , January, 2019, Jaipur, India
3. Ranjana Thalore, Jeetu Sharma, Vikas Raina, "Analysis of Archimedes' Spiral Based Wireless Sensor Network with Mobile Sink", 2nd International Conference on Smart IoT Systems: Innovations in Computing (Springer), pp., ISBN: 978-981-10-5827-1, January, 2019, Manipal University, Jaipur, Rajasthan, India
4. Aditi Kajala, V K Jain, "Diagnosis of Breast Cancer Using Machine Learning Algorithms-A Review", 2020 International Conference on Emerging Trends in Communication, Control and Computing (ICONC3) Lakshmanagarh, Sikar, India, IEEE Xplore, pp. 1-5 DOI: 10.1109/ICONC345789.2020.9117320. (SCOPUS Indexed)
5. Ajay Kumar, V K Jain, P P Bhattacharya, "Shortest Path Algorithms for Sensor Node Localization for Internet of Things", 2020 International Conference on Emerging Trends in Communication, Control and Computing (ICONC3) Lakshmanagarh, Sikar, India, IEEE Xplore, pp. 1-5 DOI: 10.1109/ICONC345789.2020.9117301. (SCOPUS Indexed)

Indexed)

6. P. Poonia and V. K. Jain, "Short-Term Traffic Flow Prediction: Using LSTM," 2020 International Conference on Emerging Trends in Communication, Control and Computing (ICONC3) Lakshargarh, Sikar, India, IEEE Xplore, pp. 1-4 DOI: 10.1109/ICONC345789.2020.9117329. (SCOPUS Indexed)
7. D. Kushwahah, P. Saurabh, R. Prasad and P. Mewada, "Text Message and Digital Image Secure for Discrete Shearlet Transform," 2020 International Conference on Emerging Trends in Communication, Control and Computing (ICONC3) Lakshargarh, Sikar, India, IEEE Xplore, pp. 1-6 DOI: 10.1109/ICONC345789.2020.9117349. (SCOPUS Indexed)
8. Ambika, Gauarv Dhiman, "Design and Performance Analysis of Germanium-Based Junction-less Double Gate MOSFET", 2020 International Conference on Emerging Trends in Communication, Control and Computing (ICONC3) Lakshargarh, Sikar, India, IEEE Xplore, pp. 1-4 DOI: 10.1109/ICONC345789.2020.9117304. (SCOPUS Indexed)
9. Dinesh Mishra, Sanjeev Patwa, "A Study of Data De-duplication Methods", 2nd International Conference on Advanced Computing and Software Engineering (ICACSE-2019), pp.508-512, ISBN: 978-93-88237-44-4, February, 2019, , India
10. S. Choyal and A. K. Singh, "An Acoustic based Roadside Symbols Detection and Identification using Faster RCNN and SSD," 2020 International Conference on Emerging Trends in Communication, Control and Computing (ICONC3) Lakshargarh, Sikar, India, IEEE Xplore, pp. 1-4 DOI: 10.1109/ICONC345789.2020.9117222. (SCOPUS Indexed)
11. Dr. Anil Saroliya, Dr. Jayanta Mondal, Mili Agrawal, "A Solution for Secured Content Transferring in between Multiple Hosts within P2P Enabled Intranet", 2020 International Conference on Emerging Trends in Communication, Control and Computing (ICONC3) Lakshargarh, Sikar, India, IEEE Xplore, pp. 1-3 DOI: 10.1109/ICONC345789.2020.9117415. (SCOPUS Indexed)
12. Gaurav Dhiman, Rajeev Pourush , "Analysis on Variations of Metal Gate Work Function on Junctionless Double Gate MOSFET with High-k Spacers", 2020 International Conference on Emerging Trends in Communication, Control and Computing (ICONC3) Lakshargarh, Sikar, India, IEEE Xplore, pp. 1-4 DOI: 10.1109/ICONC345789.2020.9117425. (SCOPUS Indexed)
13. Nidhi Pandey, Vikas Raina, "Study of Robotic Claws to identify the shape of an object", 2020 International Conference on Emerging Trends in Communication, Control and Computing (ICONC3) Lakshargarh, Sikar, India, IEEE Xplore, pp. 1-4 DOI: 10.1109/ICONC345789.2020.9117425. (SCOPUS Indexed)

14. Purnima Sharma, P.P. Bhattacharya, "A Novel Planar Inverted-F Antenna for Dual Band Operations", 2020 International Conference on Emerging Trends in Communication, Control and Computing (ICONC3) Lakshmangarh, Sikar, India, IEEE Xplore, pp. 1-4 DOI: 10.1109/ICONC345789.2020.9117276. (SCOPUS Indexed)

15. S. Choudhary and A. Sharma, "Malware Detection & Classification using Machine Learning, " 2020 International Conference on Emerging Trends in Communication, Control and Computing (ICONC3) Lakshmangarh, Sikar, India, IEEE Xplore, pp. 1-4 DOI: 10.1109/ICONC345789.2020.9117547. (SCOPUS Indexed)

16. Ranjana Thalore, Jeetu Sharma, Vikas Raina, " Impact of Zigbee Coordinator on Archimedes' Spiral Based Mobile Network Design in 3D", 2020 International Conference on Emerging Trends in Communication, Control and Computing (ICONC3) Lakshmangarh, Sikar, India, IEEE Xplore, pp. 1-4 DOI: 10.1109/ICONC345789.2020.9117396. (SCOPUS Indexed)

17. Rashmi Saini, Vinod Maan, "Human Activity and Gesture Recognition: A Review", 2020 International Conference on Emerging Trends in Communication, Control and Computing (ICONC3) Lakshmangarh, Sikar, India, IEEE Xplore, pp. 1-2 DOI: 10.1109/ICONC345789.2020.9117535. (SCOPUS Indexed)

18. Sanjeev Jakhar, Mukul Kant Paliwal, Atul Kumar, "Modelling and simulation of photovoltaic thermal cooling system using different types of nanofluids", INTERNATIONAL CONFERENCE, pp., ISBN: , November, 2019, Cvrce Bhubaneswar, India

19. Shobhit Verma, Vikas Raina, "AODV Protocol Modification for Obtaining an Energy-Efficient Cognitive Network", International Conference on Emerging trends in Communication ,Control and Computing IEEE Record Number 45789, pp., ISBN: , February, 2020, Mody University Of Science And Technology, Lakshmangarh, Rajasthan, India

20. A. Singla and H. Jangir, "A Comparative Approach to Predictive Analytics with Machine Learning for Fraud Detection of Realtime Financial Data," 2020 International Conference on Emerging Trends in Communication, Control and Computing (ICONC3) Lakshmangarh, Sikar, India, IEEE Xplore, pp. 1-4 DOI: 10.1109/ICONC345789.2020.9117435. (SCOPUS Indexed)

21. M. Kumar, S. K. Jangir, S. K. Mishra, S. K. Choubey and D. K. Choubey, "Multi-Channel FLANN Adaptive Filter for Speckle & Impulse Noise Elimination from Color Doppler Ultrasound Images," 2020 International Conference on Emerging Trends in Communication, Control and Computing (ICONC3) Lakshmangarh, Sikar, India, IEEE Xplore, pp. 1-4 DOI: 10.1109/ICONC345789.2020.9117288. (SCOPUS Indexed)

Indexed)

22. Subarna Sen, Anirban Mukherjee, Dr. Jayanta Mondal, Dr. Anil Saroliya, "A Contemplator on Reversible Data Hiding in Encrypted Domain", 2020 International Conference on Emerging Trends in Communication, Control and Computing (ICONC3) Lakshmangarh, Sikar, India, IEEE Xplore, pp. 1-4 DOI: 10.1109/ICONC345789.2020.9117341. (SCOPUS Indexed)
23. Uma Kumari, "Improved Performance of Brain Tumor Segmentation Using PSO and Fuzzy C Means Clustering with FCM Thresholding and Morphological Operations", 2020 International Conference on Emerging Trends in Communication, Control and Computing, pp., ISBN: , February, 2020, Mody University Of Science And Technology, Lakshmangarh, Rajasthan, India
24. Uma Soni, Uma Kumari, "PLC Hardware Congiguration and Programming", 2020 International Conference on Emerging Trends in Communication, Control and Computing, pp., ISBN: , February, 2020, Mody University Of Science And Technology, Lakshmangarh, Rajasthan, India
25. Vikas Raina, Jeetu Sharma, Ranjana Thalore, "The QoS Evaluation of WSN using Different Number of Mobile Sink Nodes under Water", 2nd International Conference on Smart IoT Systems: Innovations in Computing (Springer), pp., ISBN: 978-981-10-5827-1, January, 2019, Manipal University, Jaipur, Rajasthan, India
26. Vinod Maan, Jayati , Manya Srivasatva, "Diabetes Prognostication – An Aptness of Machine learning", 2020 International Conference on Emerging Trends in Communication, Control and Computing (ICONC3) Lakshmangarh, Sikar, India, IEEE Xplore, pp. 1-5 DOI: 10.1109/ICONC345789.2020.9117465. (SCOPUS Indexed)
27. Vishal Sharma, Vinay Verma, Anand Sharma, "Detection of DDoS Attacks Using Machine Learning in Cloud Computing", International Conference on Advanced Informatics for Computing Research (ICAICR 2019) , pp.260-273, ISBN: 978-981-15-0108-1, June, 2019, Shimla, India
28. Vishal Sharma, Niranjana Lal, "A Detail Dominant Approach for IoT and Blockchain with their Research Challenges", 2020 International Conference on Emerging Trends in Communication, Control and Computing (ICONC3) Lakshmangarh, Sikar, India, IEEE Xplore, pp. 1-6 DOI: 10.1109/ICONC345789.2020.9117533. (SCOPUS Indexed)

4.3 Books Published

1. Shalini Joshi and Uma Kumari, Dynamic Threshold Based Load Balancing Algorithm-SJU, Lap Lambert Academic Publishing, April 2020, ISBN: 978-620-0-78568-8
2. Sunita Kumari, Sudhir Y Kumar, -, "Design of Solar PV Integrated STATCOM based Inverter", LAMBERT Academic Publishing, Latvia, European Union, ISBN: 978-613-9-98786-3, 2019

Book Chapters

1. V K Jain and Puneet Kumar (eds), Mody University International Journal of Computing and Engineering Research (MIJCER), Vol 3, Issue 1, Page (1-50), ISSN: 2456-9607.
2. Shatakshi Singh, Prachi Singhal, Kanika Gautam, Sunil Kumar Jangir, Manish Kumar, "A Survey on Intelligence Tools for Data Analytics", Handbook of Research on Engineering, Business, and Healthcare Application of Data Science and Analytics, IGI Global, **eBook Chapter:** ch05 ISBN13: 9781799830535 DOI: 10.4018/978-1-7998-3053-5
3. Kanika Gautam, Sunil Kumar Jangir, Manish Kumar, Jay Shankar Sharma, "Malaria Detection System using CONVOLUTIONAL NEURAL NETWORK ALGORITHM", Machine learning and Deep learning in Real-Time Applications, IGI Global **eBook Chapter:** ch010, pp.219-230 ISBN: 9781799830979, DOI: 10.4018/978-1-7998-3095-5 ch010.

5. PROFESSIONAL SOCIETIES

5.1 CSI Lakshmangarh Chapter

- **DR ANAND SHARMA ATTENDED THE CSI REGION 3 MEETING**

Dr Anand Sharma attended the Computer Society of India, Region III meeting at Indore in Sri Aurobindo Institute of Technology on September 27, 2019. The meeting was chaired by Regional Vice President, Region 3, Mr. Jayant Binde.

The representatives from Gujarat, Madhya Pradesh and Rajasthan states were there in the meeting. Prof (Dr) A. K. Nayak, President, CSI was also there for the meeting. Further executive plans for events, activities and membership drives were discussed in the meeting.

There was also an Industrial visit to TCS, Indore. An Expert Talk was delivered by Prof (Dr) A. K. Nayak for motivation of TCS employees.



53RD ANNUAL CONVENTION
OF
COMPUTER SOCIETY OF INDIA (CSI 2020)



Dr Anand Sharma, Secretary, CSI Lakshmangarh Chapter has attended CSI 2020 - 53rd Annual Convention (Theme: “Digital Democracy – IT for Change”) on 16-17-18 January 2020 at KIIT Bhubaneswar.

There was a galaxy of technical luminaries present during the Convention, some of them namely:

Justice Sri Pinaki Chandra Ghose, Hon'ble Chairperson, Lokpal , **Prof. K K Agarwal**, Past President, CSI, Chair, National Board of Accreditation, **Sri Rajive Kumar**, Member Secretary, AICTE , **Prof(Dr) SasmitaSamanta**, Pro V.C., KIIT , **Prof. Mike Hinchey**, President, IFIP, **Sri Sanjay**

Dhotre, Hon'ble MoS, HRD, Communication, Electronics & IT, Govt. of India, **Prof A.K. Nayak**, President, CSI, **Sri Subas Pani**, IAS, Chief Mentor, CSI 2020 Annual Convention 2020, **Dr. R K Vyas**, Chair, Conference Committee, **Sri Manas R Pattanaik**, Convener, CSI 2020 Annual Convention along with some foreign delegates from different countries.



5.2 SWE (Society of Women Engineers)

Mission: Empower women to achieve full potential in careers as engineers and leaders, expand the image of the engineering and technology professions as a positive force in improving the quality of life, and demonstrate the value of diversity and inclusion.

Vision: A world with gender parity and equality in engineering and technology.

Core Values:



Integrity: We aspire to the highest level of ethical behavior as evidenced by honesty and dignity in our personal and professional relationships and responsibilities.

Inclusive Environment: We embrace diversity in its broadest interpretation and commit to creating an inclusive environment for all our members and stakeholders. We value the contributions of a diverse membership, which enables SWE to achieve its full potential.

Mutual Support: We provide an organization that fosters mentoring and the development of professional and personal networks.

Professional Excellence: We conduct our activities in a professional manner, demonstrating and demanding the highest standards of business practices.

Trust: We share a common definition of success with open, transparent access to information, building mutual respect and confidence in the competence of those with whom we lead, serve and partner with.

Members: Approximately 35,000 individual members who are collegiate and professionals.

Levels: Ten geographic regions are comprised of 300 collegiate member sections and 100 professional member sections.

Objectives:

- Professional excellence - SWE will develop women engineers at all stages of their personal and professional lives.
- Globalization - SWE will be recognized as a global, inclusive organization, promoting diversity and inclusion and serving women engineers wherever they are.
- Advocacy - SWE will advocate for the inclusion and success of women, present and prospective, in engineering and technology.

➤ **ACTIVITIES:**

• **IN-HOUSE SESSION BY SOCIETY OF WOMEN ENGINEERS**

The Society of Women Engineers, MUST Chapter organized its first in-house session for the session 2019-20 on 2 August, 2019. It was an interactive fun session wherein the members of the society played an interesting game called News Roulette. Just like the famous game of Russian roulette this game too was all about chance. In the game, the students were passing around a cushion to the sound of music and whenever the music stopped, the student holding the pillow had to come up on the stage and present a piece of news that they thought was interesting and relevant to everyone. This went on till all the students had presented their piece of news. This activity helped everyone stay in touch with all that is happening around the world and gave each and every one a platform to express their opinions and views. The fresh new faces of the students of the first year were also among the keen participants of this activity. It gave them a platform to get to know their seniors and peers at a personal level and helped them face their fears of speaking in front of a gathering. All in all, this event achieved all that it had aimed to and rightly marked the beginning of great journey for SWE.



- **BOOK CLUB REVIEW SESSION BY SWE, MUST CHAPTER**

On 6th September, 2019, SWE, MUST Chapter in collaboration with Penumbra and Xperia, conducted a Book club session at Mody University, Lakshmargarh, Rajasthan. The event was organised under the supervision and guidance of Dr. Vinod Maan, Faculty Coordinator for SWE, MUST Chapter and was moderated by Ms. Ananya Singh, Ms. Sneha Dujaniya and Ms. Sanjoi Dubey. One of the SWE members of Mody University, Ms. Radhika Gupta who has a page on Instagram dedicated to book reviews and all things related to literature, encouraged the members to inculcate the habit of reading. She announced a giveaway of two books to two lucky winners by the end of the event.

The session kick started with a Ted talk by Elizabeth Gilbert. As soon as it was over, each member came up and talked about the book of their choice. Among the books that were reviewed, we had titles such as 'A Thousand Splendid Suns', 'Immortals of Meluha', 'The Da Vinci Code', 'The Alchemist', 'Norwegian Wood', 'The Secret' and many others. The plethora of genres and the vivid views people had on each of the books they had read, simply made the session more interesting. Apart from this discussion on books, people even talked about what good writing is, their journey as a reader and why reading is vital to us.

The two winners had really amazing views on the title they talked about. Vandita Vyas explained how 'Norwegian Wood' has impacted her life on a personal level and Raj Lakshmi pin-pointed every minute detail from 'The Da Vinci Code' without giving away too much detail. The event concluded with an insightful talk given by Dr. Vinod Maan on the book 'The 5 a.m. club' by Robin Sharma and tip-sharing on developing the habit of reading.

All-in-All the event acted as food for thought for everyone present in the room. It also encouraged people and introduced them to the notion of effective reading as well.



- **ALFAAZ 3.0**

Society of Women Engineers (SWE), founded in 1950, is a not-for-profit educational and service organization. Its mission statement, adopted in 1986, is to "stimulate women to achieve full potential in careers as engineers and leaders, expand the image of the engineering profession as a positive force in improving the quality of life, demonstrate the value of diversity. Penumbra is the official public speaking and literary society of Mody University.



Penumbra under SWE organized Alfaaz 3.0 on 24th February 2020. Alfaaz is the open mic event which is organized annually by team Penumbra. The first chapter of Alfaaz was organized in 2017, followed by Alfaaz 2.0 in 2018 and finally Alfaaz 3.0 in 2020. Alfaaz 3.0 was open for all schools. The event commenced by 4:45 p.m. and concluded by 7:40 p.m. The event accommodated many forms of literature which included slam poetry, monologue, spoken words, shaayri, storytelling, stand-up comedy and instrumental narration.



The participation was overwhelming, there were total 72 participants. The event was hosted by Ms. Ankita Parihar and Ms. Rajlakshmi. Dr. Uma Kumari (from the School of Engineering and Technology) and Dr. Sunita Verma (from School of Business) judged the whole event. Dr. Vinod Maan mentored the whole event. Rajlakshmi (from SET IInd year) secured the first position, Varnika Singh (from SET IIIrd year) secured the second position and Saumya Sharma (from SET IIIrd year) secured the third position. Certificates were awarded to the top 10 participants and the top 3 participants received a cash price.

Over all, Alfaaz 3.0 was an zestful and dynamic event which covered various forms of literature and public speaking in diversified genre. This event gave the students a wonderful platform to express their thoughts and learn new things from each other.



5.3 IET



School of engineering and technology, Mody University has applied to IET (UK) for Accreditation of its five undergraduate programmes in:

- B.Tech in Computer Science Engineering
- B.Tech in Electronics and Communication Engineering
- B.Tech in Bio-medical Engineering
- B.Tech in Electrical Engineering
- B.Tech in Mechanical Engineering

IET ADVISORY VISIT

Accreditation is an important benchmark of quality of institution's engineering programmes. SET, MUST is committed to provide the best delivery of engineering programmes and to bring their practices in line with the best institutions – nationally and globally.

SET, Mody University applied for IET Accreditation of their five B.Tech programmes, Computer Science and Engineering, Electronics and Communication Engineering, Electrical Engineering, Mechanical Engineering and Biomedical Engineering. In this regard a team of The Institution of

Engineering and Technology (IET- UK) visited SET during 26th& 27th September 2019. The team of two Prof. Andrew Downton (Chairman) and Dr. Sravanthi Sashi kumar (Member) arrived at Vinayak Resorts Lakshmanagarh on September 25, 2019 around 10:30 PM. They Visited SET as per following Schedule

Day -1 Thursday 26th September 2019	
08.45	Panel members leave hotel and travel to the University
09.00 – 09.30	Introduction to the University-informal presentation by HoD/Programme Leader. To include the programmes for consideration – how they fit into the Departments overall picture. How the programmes have developed and future plans
09.30 – 12.00	Private panel meeting to review material
12.00 – 13.30	Tour of facilities including teaching laboratories, library and, if time, research laboratories.
13.30 – 14.30	Lunch with staff
14.30 – 15.30	Meeting with students
15.45 – 18.30	Meeting with relevant Department/Faculty staff to go through the discussion topics
18.30	Panel departs to hotel
19.30	Panel dinner at hotel
Day -2 Friday 27th September 2019	
08.45	Panel members leave hotel and travel to the University
09.00 – 10.00	Meeting with relevant Department/Faculty staff to clarify any outstanding questions
10.00 – 1300	Private panel meeting to produce first draft of the report
13.00 – 13.30	Meeting with relevant Department/Faculty staff to provide feedback on the Panel’s findings and how the University should proceed.

13.30 – 14.30	Lunch with staff
14.30 – 16.00	Review of the preparation for a full accreditation visit and related IET policies
16.00	Panel departs for Indira Gandhi Airport, Delhi

Day 1 at 9 A.M a formal introduction was given to the accreditation team. Prof (Dr.) V. K Jain, Dean SET introduced the HOD of various department of SET to the team and Prof. N. K Joshi gave a brief presentation about SET and Mody University. From 12 Noon accreditation team at reviewed the documents related to all programs and student projects and visited various Laboratories of SET, Workshop, Library and Student facilities. Apart of this team is also visited SEFS. Post lunch session team has meeting with Dean SET and HOD of various department where they discussed their quires. On Day 2 team discussed their observations with Director Mody University, Dean SET and HOD. Post lunch team gave their feedback. Team was highly impressed by infrastructure of Mody University, Facilities provided by the SET to their stake holders. They appreciated Project Based Learning in various modules of different programs and they also given some positive remarks, suggestion and guidance about accreditation requirement. Team departed from the SET at around 5 PM.







5.4 IET ON CAMPUS

- **INAUGURAL OF IET ON CAMPUS**

On 14th September, 2019 in Sangeet Samrat Tansen Sabhaghar, School of Engineering and Technology (SET), Mody University celebrated Engineers' Day by organizing one day National Seminar on Emerging Trends in Engineering and Technology along with the inauguration of IET On Campus. It was conducted under the coordination of Dr. Anil Saroliya, Faculty Coordinator of IET On Campus.

The program was started with the welcome address by Dr. V. K. Jain, Dean-SET. He guided the students about importance of being part of student chapter like these; Students can increase their technical abilities and enhance their career by participating in the activities of the student chapter. Further, Ms. Megha Pandoh, Asst. Manager IET, introduced IET-On Campus to the students.

After the introduction of IET On Campus the student chapter was digitally inaugurated by the distinguished guests. Next, Er. A. K. Garg, Director (Operations), DMRC delivered a valuable talk on Delhi Metro's positive impact on people's lives and how it is helping the environment, its features and its affiliation with COMET and Nova.

The eminent guests were presented with a memento as the token of our respect followed by the vote of thanks by Dr. Anil Saroliya, Associate Professor, SET, Mody University. The event was

concluded by the national anthem in order to pay respect to our nation.

The post lunch session began with a quiz conducted by Ms. Megha Pandoh along with the poster making competition. There were total 6-7 posters that were presented on the theme **“Save Earth Through Engineering”** out of which the 3 best posters were judged. Later on, the volunteers were felicitated by the IET and prizes were distributed to the winners of the poster making competition. The judges of the poster making competition were also presented with the goodies.

The event proved to be a great success and all the students had a satisfied look on their face when they left the room.





• IET STUDENT CHAPTER ORGANIZED “STORY-PAPER-SCISSOR”

IET (The Institution of Engineering and Technology) Student Chapter conducted its first event for this session in Mody University of Science and Technology. The event “Story, Paper, Scissors” was organised in School of Engineering and Technology (SET) to bring out the creativity of future technocrats. It was conducted under the coordination of Dr. Anil Saroliya, Faculty Coordinator of IET Student Chapter.

The evening started off with a small introduction on the purpose of IET and how it helps the students to grow in the field of Engineering. Prof. (Dr.) V. K. Jain, Dean-SET briefed the participants about all the benefits that IET has to offer and gave vital information on internship opportunities in the University with respect to all the years. His words of encouragement brought a different energy in the room. He also congratulated all the office bearers of IET Student chapters of Mody University.

There was a total of 73 participants from all the branches of Engineering. All the students were divided into 12 teams with 6 members in each. Each team was asked to decide a name for their team. Students were asked to frame their own vision by using magazines, newspapers, charts, markers, post-its etc. After the preparation of poster students were called to present their creativity in front of judges. The students presented their vision on numerous topics some of them are as follows:

- Freedom for Girls
- Societal Reforms
- Relating the Success of famous individuals in their own life, etc.

The senior faculty members of SET, Dr. Vinod Maan and Ms. Suneetha Rikhari judged the event. The ‘Alpha-bees’ team turned out as the winner of this event. The idea presented by them related to the laurels, that the women of this nation have brought with their efforts and quality work. In the presentation, students were mainly focused on how to incorporate such qualities in

their life to frame a vision, leading towards a successful career. The winning team was awarded with certificates and the whole room was filled with applauses and appreciation for the team.

The event concluded with Dr. Anil Saroliya announcing about the membership being open for all years and encouraging students to register. The event proved to be a great success and all the participants had a satisfied look on their face when they left the room. All-in-all, the event turned out to be a great platform for creative minds to showcase their innovation.



- **CODETAIL BY CODING CLUB**

On **11th September, 2019** in ABB 01 and 04, IET (The Institution of Engineering and Technology) On Campus conducted its second event for this session in Mody University of Science and Technology. The event “Codetail” was organised in collaboration with the Coding Club of School of Engineering and Technology (SET) to check the basic C programming skills of the future technocrats. It was conducted under the coordination of **Dr. Anil Saroliya**, Faculty Coordinator of IET on Campus and **Dr. Praneet Saurabh**, Faculty Coordinator of Coding Club.

The evening started off with a small briefing about the quiz. It contained a total of 18 questions out of which 16 were objective types, where one of four options were to be marked and in the remaining 2 questions the outputs had to be written for the given code snippets. The whole quiz was in C programming language. The time allowed for attempting the quiz was 30 minutes.

There were a total of 145 participants from MCA and branches of Engineering. The students showed great enthusiasm in attempting the quiz.

The participants were judged by the number of each correct answer they gave. For correct answer of objective type, participants were awarded with 2 marks each and for the 2 subjective questions; they were awarded with 4 marks each. Sanya Singh, student of B. Tech 2nd year turned out as the winner of this event with Divya Singh and Priyanka Pareek from B. Tech 2nd year holding on the runner up positions. The winners will be awarded with certificates and prizes on 14th September, 2019.

The event proved to be a great success and all the participants had a satisfied look on their face when they left the room. All-in-all, the event turned out to be a great platform for checking the basic technical skills of the participants.





- **CCNA WORKSHOP**

On 8th and 15th November 2019 IET (The Institute of Engineering and Technology) On Campus conducted a workshop in ABB-01, School of Engineering and Technology (SET), Mody University of Science and Technology (MUST). The “CCNA Workshop” was conducted by **Dr. Anil Saroliya**, Associate Professor of CSE, SET, MUST.

The workshop started with the zero-session held on 7th November, 2019 in that students were briefed about the basics of networking, routing and were also introduced to the software’s used for routing and then they were guided with the installation of CISCO packet Tracker (software on which practical implementation was done). After the session, students were provided with the required study material and proper guidelines to install Cisco packet tracer on the laptops. On day one of workshop i.e. 8th November 2019 students learnt about the basics of IP addressing, subnetting, various ports and transmission media used for necessary connectivity among devices. Static Routing configuration in a router was also covered on packet tracer. On day 2 of workshop i.e. 15th November, 2019 the session began with a small recap of previous session followed by routing algorithms, Default routing, Dynamic routing protocols (RIP and OSPF) and further were introduced to access control lists (Layer 3 Firewall), and various sub topics along with its practical implementations. The workshop was concluded with a small quiz.

There were a total of 76 participants from BCA, B. Tech and MCA. The students showed great enthusiasm in attending the workshop.

The workshop was organized to make students aware about the real-time working in industries and to set the platform for them for the preparation of Cisco Certified Network Associate certification. All-in-all, the workshop filled the students with great knowledge and understanding.





- **EFFECTIVE USE OF GOOGLE SEARCHING TECHNIQUES IN ACADEMICS AND RESEARCH**

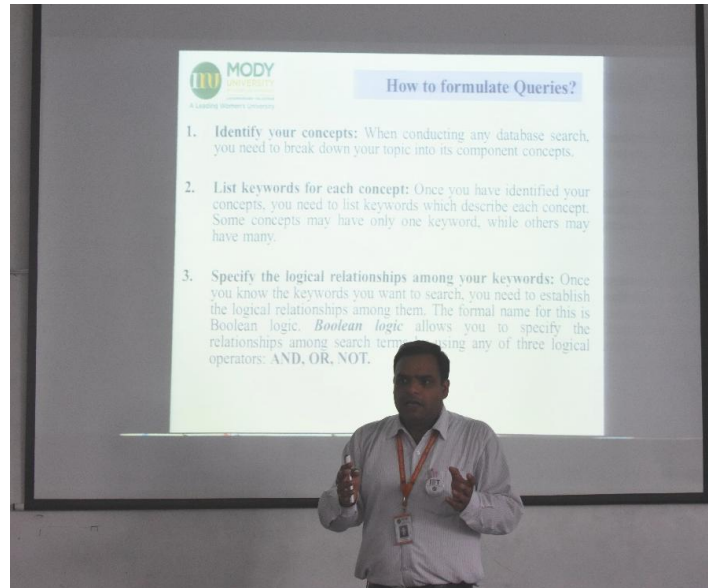
On 27th February 2020 IET (The Institute of Engineering and Technology) On Campus conducted a workshop in ABB-01, School of Engineering and Technology (SET), Mody University of Science and Technology (MUST). The workshop on “Effective use of Google Searching Techniques in Academics and Research” was conducted by **Dr. Anil Saroliya**, Associate Professor of CSE, SET, MUST.

The workshop started with a basic understanding of web, how can one access the information from the web, url, search engines with their working, simple and advance search and invisible web. After clearing the basic concepts of web, the insights of the simple web searching techniques were given to students. These simple techniques included keyword searching and the methods to reduce the number of search results, specific website searching and searching page titles. Then the students were briefed about the tools that google provides like the google images, google calculator, google glossary etc. After that the students were told how to do intitle searching in page titles and urls. Searching a specific type of file on a particular website was also demonstrated. The event concluded with the practical implementation and queries from the students.

There were approximately 40 participants from Management, Law and Engineering Schools of Mody University. The students showed great enthusiasm in attending the workshop.

The workshop was organized to make students aware about the effective way of searching on google to get their desired outputs with limited amount of search results. All-in-all, the workshop filled the students with great knowledge and understanding.





● PARTICIPATION IN THE IET ON-CAMPUS TRACK

Ms. Mili Agrawal, final year student of B. Tech CSE (2016-2020 batch) was invited by IET (The Institute of Engineering and Technology) to attend the IET On-Campus Track during the Young Professionals Communities Volunteer Conference (YP CVC 2020) at Bangalore on 22nd February, 2020. She was the only girl representing the North Zone (Delhi Local Network) in the South Asia meet.

The entire trip of Mili Agrawal was sponsored by IET India. The main objective of this meet was to have learnings to strengthen the IET On-Campus at Mody University.



- CAMPAIGN OF SOCIAL AWARENESS FOR THE PROTECTION AGAINST CORONA VIRUS**

On 18th April 2020, IET On Campus, SET-MUST did a campaign by creating a collage on the awareness of spread of Corona virus across the world while spreading the message of staying home during this time of pandemic for their family and friends. The spread of this deadly virus could only be stopped by the means of social distancing and the methods of work from home should be adopted.



5.5 IEEE STUDENT BRANCH, MUST



ACTIVITIES:

- **IEEE, STUDENT BRANCH ORGANIZED “TECHTIVITY”**

The IEEE, MUST Chapter organized its first activity “TECHTIVITY” on 3 August 2019. It was an interactive group discussion session wherein the members of the society were given topics beforehand and they prepared for the discussion accordingly. The topics for the discussion were **5G Technology** and **Block chain**. The introduction on each topic, advantages and disadvantages were put forth by the participants with keen interest. Each group was given twenty minutes to present their points and connect with real life examples. This activity helped everyone to learn about the new upcoming cutting edge technologies and gave each and every one a platform to express their opinions and views. This event was judged by **Dr. Jeetu Sharma** and **Dr. Sunil Jangir**. Certificates were distributed to the winners **Ms. Lippi Sharma** and **Ms. Sneha Sharma** by the Branch Counselor. All in all, this event achieved all that it had aimed for and rightly marked the beginning of great journey for IEEE. Around 18 students participated in the same and had a much greater experience.



- **IEEE MUST CHAPTER ORGANIZED “QUIZTECH 1.0”**

The Institute of Electrical and Electronics Engineers, Mody University Student Chapter swept everyone off of their feet with their event ‘QUIZTECH 1.0’ on **9th September 2019** which was all that the adventurous mind needed. Needless to say, people flocked in numbers to test their skills and to win admirations along with well-deserved prizes. There were about 103 participants in total. The quiz event, as the name suggests, tested, she who dared to participate, on her general IQ on topics ranging from Women Empowerment to the current Technological realm. The first

round, which was the written round, in itself left the participants stimulated and wanting for more. The second round, however, was the real core of the dragon's heart. The qualifiers were clubbed into teams of threes to test their functionality as team players. The triads then tested their skills in the rapid-fire round. One team emerged over all the others as the victor and received all the praises which befitted their glorious feat. They received their certificates and the prizes along with the nearly-as-good "runner ups" who also were given certificates for showing extraordinary teamwork and knowledge by the Head of Department, Dr A. Senthil, in the revered presence of our counsellor Dr Jeetu Sharma and the faculty advisor Dr Sunil Jangir. The others were also rewarded with "Participation certificates" for their brave and staggering attempts.





• **IEEE DAY CELEBRATION**

The Institute of Electrical and Electronics Engineers, Mody University Student Chapter staggered and filled everyone with astonishment by celebrating their first IEEE Day on October 1st, 2019. While the world benefits from what’s new, IEEE focuses on what’s next and that’s why the theme for IEEE DAY has always been “**Leveraging Technology for a Better Tomorrow**”. IEEE members came together to part their technical knowledge and creative ideas, put together their efforts to mold the celebration as a remarkable one under the supervision of Dr. Jeetu Sharma and Dr. Sunil Kumar Jangir. On the cards to the IEEE Day celebration we had two technical talks by our distinguished guests, Dr. Ajay Agarwal (Senior Principal Scientist, CSIR-CEERI, Pilani) and Dr. Rajesh Kumar (Vice-Chairman IEEE, Rajasthan Sub-Section), tread on the heels of poster making and power-point competition on the IEEE Day theme. In total, we had 205 participant involvements for the whole event. People from other colleges also showed up for the celebration with great zeal and enthusiasm.



Dr. Ajay Agarwal

Topic: Point-of-Care and Early Diagnostics: Engineering Solutions

Sr. Principal Scientist, Coordinator, Smart Sensors Area, and Head of Nano Biosensors Group at CSIR - CEERI, Pilani. Involved in the development of Nanotechnologies MEMS, Micro fluidics and Micro sensors.

Dr. Rajesh Kumar

Topic: Reveling the Hidden Signature Information in Human Gait

Vice Chairman, IEEE Rajasthan Subsection, Professor and HOD, Department of Electrical Engineering at MNIT, Jaipur. 174 Research Publications from



2015 onwards, Founder of ZINE student innovative group, Keynote speaker at more than 20 conference talks.

The event proceeded with an opening speech by Dr. V.K. Jain, Dean (School of Engineering and Technology). Our honorable guests took out time from their busy schedule to enlighten and apprise all the students present for the event with their expertise were also felicitated with memento as a token of gratitude. The vote of thanks was given by IEEE, MUST Chapter counselor Dr. Jeetu Sharma.

There was also a cake cutting ceremony organized with the IEEE Day 2019 logo for the celebration. With great enthusiasm and eagerness, our future engineers came up to show their artistic skills for the poster competition and technical or creative skills for the power-point competition on the theme for the celebration.

Dr. Rajesh Kumar (MNIT, Jaipur), Prof. N.K. Joshi (HOD, NST) and Mrs. Aditi Kajala (Assistant Professor, CSE) were the judges of poster making competition and the power-point presentation competition was judged by Dr. Sandeep Jaiswal (HOD, BME), Dr. Sanjeev Jakhar (Assistant Professor, ME) and Mr. P.K. Bishnoi (Assistant Professor, CSE).

The participants of poster making and power-point competition were registered as an individual or team of maximum 3 members. Participants submitted either digital poster or handmade and they had to explain their poster for 3-5 min to the respected judges. Similarly, in the power-point the participants were given the maximum time limit, that was 5 min in which they were supposed to finish it and the participants were asked questions on their respective topic by the judges. There were 27 teams for poster making competition and 18 teams for power-point presentation competition.

One team emerged over all the others as the victor and received all the praises which befitted their glorious feat. They received their certificates and the prizes along with the nearly-as-good “runner ups” who were also given certificates for showing extraordinary teamwork and showcasing their knowledge by Dr. V.K. Jain (DEAN, SET) and the respected judges, in the presence of Dr. Jeetu Sharma (Counselor, IEEE MUST CHAPTER) and Dr. Sunil Jangir (Faculty Coordinator, IEEE MUST CHAPTER).

The others were also recognized with “Participation Certificates” for their brilliance and artistry performance.





- **IEEEXtreme 24 HOURS PROGRAMMING COMPETITION**

IEEEXtreme is a global challenge in which teams of IEEE Student members – advised and proctored by an IEEE member, and often supported by an IEEE Student Branch – compete in a 24-hour time span against each other to solve a set of programming problems.

This event was organized at Mody University, School of Engineering and Technology, by IEEE Mody University Student Chapter on 19th October, 2019 at 5:30 a.m till 20th October 2019 at 5:30 a.m. All the proceedings were carried out under the guidance of our Counsellor, Dr. Jeetu Sharma, and our Faculty Advisor, Dr. Sunil Jangir.

On this occasion eight teams of IEEE members represented MUST and wrote programming codes to solve various problem sets in different phases, for 24 hours non-stop. The programmers were

tested not only for their coding expertise, but also for the speed and stamina in solving as many questions as possible.

In IEEEExtreme 13.0 total 4103 teams were participated globally, 2356 teams were participated at regional (R1- Asia and Pacific) level and 1637 teams participated from India. There were 8 teams in all with a total of 16 participants. The MUST teams ranked well among the worldwide participants.

1. Team Pyders- Kirti Choudhary

Shatakshi Singh

Rank- College-1

Regional- 78

Globally- 618

2. Team Quantan- AmishaKumari

Rank- College-2

Regional- 95

Globally- 650

3. Team Error 404- PrachiSighal

KhushiMaheshwari

Shalini Agarwal

Rank- College-3

Regional- 115

Globally- 850

4. Team TechFredo- Ms. Pooja Gupta

Ms. RitikaSethi

Rank-142 regional

840 global

5. Team FAB3 –Ms. Anjali Sharma

Ms. RichaKumari

Ms. Anika Srivastava

Rank- 148 regional

856 global rank.

6. Team Zerobug- Ms. Rhythm

Ms. Harshita Das

Rank- 149 regional

858 global rank.

7. Team Tech Diva- Ms. AnjaniKataria

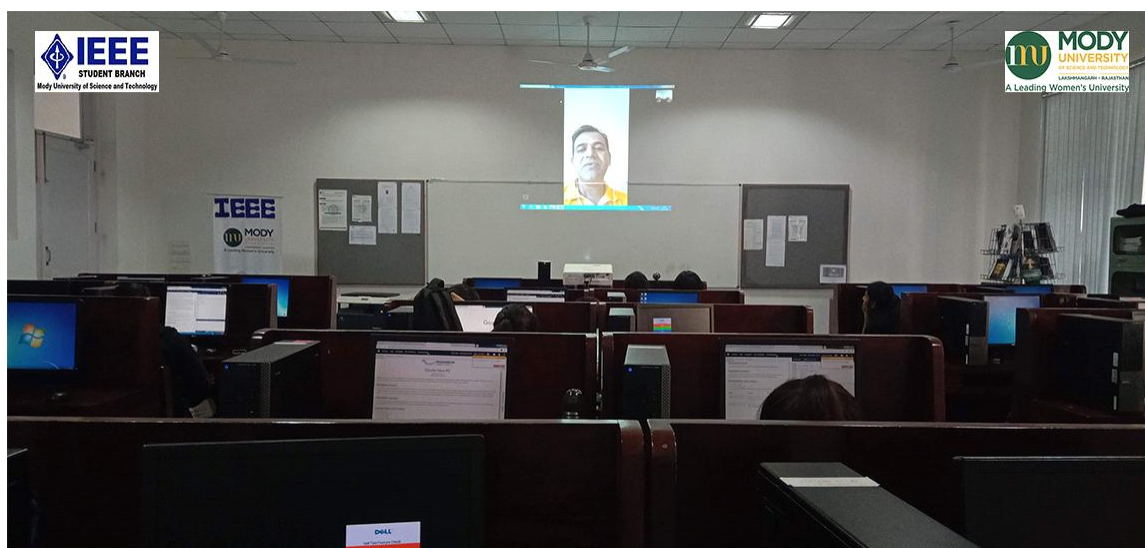
Rank- 163 regional

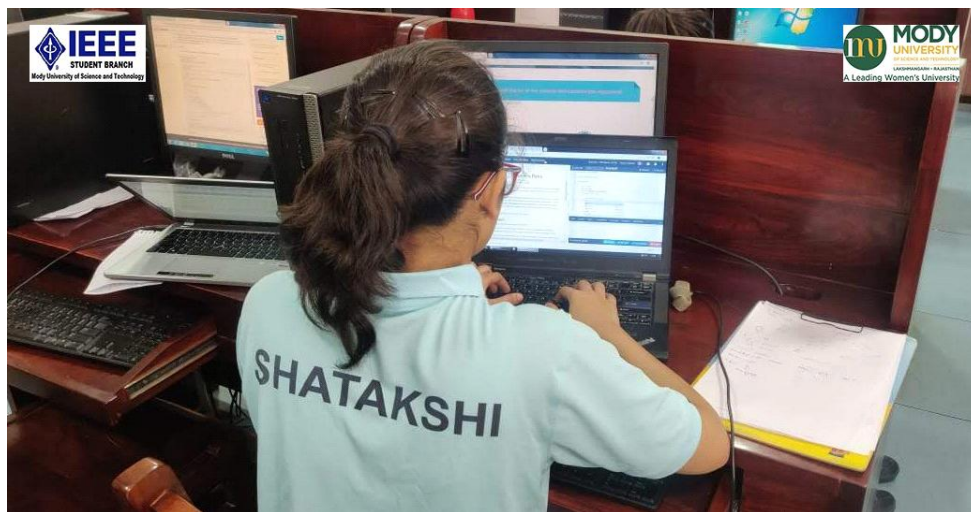
892 global rank.

For motivation to the participants, alumna of Mody University and currently working in Accenture, Jayati Vijayvargayi shared a video talking about her experiences being a part of IEEE and participating in IEEEExtreme.

There was also a live interaction session with Dr. Rajesh Kumar, Vice Chairman, IEEE Rajasthan Subsection, Professor and HOD, Department of Electrical Engineering at MNIT, Jaipur.

All in this entire event achieved all that it had hoped for. This even helped the students to brush up their coding skills which would help them in the long run.





- **A PREMIER INTERNATIONAL TECHNICAL CONFERENCE OF IEEE REGION 10**

Ms. Nikhar Jain, IEEE student member MUST attended a workshop at TENCON which was a premier international technical conference of IEEE Region 10. The Theme for TENCON 2019 was Technology, Knowledge, and Society, and was held on 17th to 20th October 2019 at Grand Hyatt Kochi Bolgatti, Kerala, India. Countless researchers, educators, students, practitioners, technocrats and policymakers from across academia, government, industry and non-governmental organizations came there to discuss, share and promote current works and recent



accomplishments across all aspects of its theme. Distinguished dignitaries including IEEE Global President, IEEE Region 10 Director, Leading academicians, Chief of many Government departments, public sectors and R & D centers came there too.

The workshop that I attended was titled: Machine Intelligence Learning for Agent-embedded Robots. It was presented by Jong-Hwan Kim Fellow, IEEE, KT Endowed Chair Professor, Korea.

I learnt a lot of new things. The technology used to develop agent-embedded robots with ML, iOA (intelligence operating architecture) needs to be designed for sensing, thinking and action has key modules of iOA. His talk introduced recent research outcomes of the RIT laboratory on MIL (Machine Intelligence Learning) for active knowledge acquisition and adaptive knowledge application. He explained that MIL is applied to an agent-embedded robot to build MI based on iOA. The talk also focused on the development of long-term memory which is developed as an integrated multi-memory neural model. In the last part, AI World Cup was introduced. It was an amazing experience overall and I was mesmerized by the same. I got to know many amazing things and look forward for such workshops in future.

- **IEEE RSC 2020**

Rajasthan Sub-Section Congress (RSC-2020) is an initiative by the IEEE Rajasthan Sub-section to improve networking among the student branches. The event was intended to attract inquisitive minds from across the state to interact, participate and discuss the evolving and changing technology.

Beginning of the event was marked by Lamp-lighting and Ganesh vandana followed by speech of Dr. R.S. Kamath Registrar, Manipal University held on January 12, 2020. He briefed students about how they can get most out of their membership by exploring various options available on IEEE Portal. After a small break for refreshments Dr.Gulshan Rai, the current chief Information Security coordinator at Prime Minister's office spoke about governance aspects of Information and Cyber Security.

Thereafter Mr.John Benedict Boggala, one of the vibrant IEEE Professional, who is presently working as product manager at amazon India eloquently discussed why and how IEEE membership can be the driving force of liftoff of your career's shuttle into the space of technical opportunities. It helped students to explore ample of opportunities IEEE offers them. Then Mr. Shubham Singh, the founder of Gramiksha addressed the students and told them how they can make a successful career by using their skills to solve problems of society.

Overall it was a very rewarding experience for students. It motivated them to join IEEE and make full use of resources it provides.



- **HACK2HIRE**

Amisha Kumari, (Chair, IEEE MUST student chapter) B.Tech – CSE, final year student of Mody University of Science and Technology participated in **HACK2HIRE** hackathon at **DBS Hyderabad** held on 18th January, 2020 and secured **2nd position**.

Round 1(Online Challenge): First round was an online challenge on Hackerrank on 12th January, 2020. The challenge consisted of around 20 MCQs mostly about Java, Javascript, Quantitative and OOPs based concepts. It also had three coding equations.

Round 2 (Hackathon): Based on the online challenge score, top listed students were invited for the Hack2Hire Hackathon. It was very well organised competition, the teams were deciding before hand and the students met their teammates at the table.

Each Team were given with 3 problem statements and had to pick one and 5 hours to solve the problem.

We choose to develop an Investment Recommendation Engine. Based on the functionalities that team implemented, they were given points. 7 teams got selected for the next round. In next round we had to give a short presentation. Based on the presentation they decided the winner. The next round was after the hackathon.

Followed by Hackathon one more round was there in which, each team was assigned with a Tech Recruiter/Table Coach and a HR mentor who were actually observing the teams during the hackathon.

Participating in such events is an unforgettable experience. It might exhaust you, tire you, but also surprise you with hilarious moments and top-notch people. And you will definitely learn about yourself and the industry. It will be worth it. Feeling of accomplishment. At hackathons you get things done because there is a deadline and aim. Besides it'll improve your resume, taking part in a hackathon is a must-thing to have on your resume if you want to land to a developer job. I believe Computer Science is a pragmatic language. So, we need to write code to get to know the thousands and thousands of problems, possibilities and other important aspects of the features. So I focused on competitive programming instead of focusing only on theoretical knowledge.



- **CODINGO:**

In wake of Covid19 pandemic IEEE MUST Student Branch organised an online coding contest CodinGo on 19th April, 2020 during 4pm to 6pm with an aim to generate funds for PMCARES.

It was a 2 hour coding contest organised at #Hackerearth. There were 3 problems of varying difficulty level.

Participants came from various colleges of India including Indian Institute of Technology -Bombay, Bennett University, Jaypee Institute of Information Technology, Engineering College of Bikaner, Global Institute of Technology, Setu Institute of Technology, Noida, PIMR, Mody University etc. Around 82% of the registered candidates have appeared for this contest.

Winners:-

- 1- Suneet Jain, Bennet University
- 1- Janhvi Sharma, Mody University
- 2- Neha Singhal, IIT-Bombay



• **IDEA BEAT COVID | CHANDIGARH UNIVERSITY | RANK-2 |**

Pioneer club and IEEE CU SB organized an Ideathon “IDEA BEAT COVID” where many students from different colleges of India participated. Shatakshi Singh, Secretary of our student branch submitted her idea to make “Large are Sterlization and Sanitization” cost effective and got 2ndrank.



• **IEEE GTBIT STUDENT BRANCH**

IEEE GTBIT Student Branch hosted a Women’s only Web meet ‘Together WIE’ on the topic 'How to make the Quarantine Days Productive?' 'on March 30, 2020 from 1900 to 2100 IST 5 women speakers were selected from different IEEE sections. Shatakshi Singh, Secretary of our Student branch got an opportunity to contribute as a speaker at the web meet.

The web meet began with the host, who briefed about the topic of the webinar and IEEE WIE. Then all speaker expresses their views in the given sequence. The discussion was followed by a question answer session. The webinar was attended by many IEEE students across India. Section Ambassador | IEEE Programming League 2020

Shatakshi Singh, Secretary of IEEE Student Branch, Mody University got selected to serve as Section Ambassador of IEEE Delhi Section for IEEE Programming League (IPL), an initiative of IEEE CS SYP.



- **WEBINAR ON “HOW TO START CONTRIBUTING TO OPEN SOURCE”**

A webinar was organized by IEEE Student Branch, MUST on “HOW TO START CONTRIBUTING TO OPEN SOURCE.” on MAY,31 2020 at 5:00 pm via You tube Live .The event was huge success with total participation being 300+ from 40+ different colleges across India. The speakers for the entire event were Jaideep Prasad and Anubhav Sinha who are an expert in this field and were also selected for Google Summer of Code in 2019.

The session was very informative and held properly with the basic formation keeping in mind that everyone is here to learn and is a beginner. Basics of Git and Github were discussed and how one can start contributing was the major agenda .The session ended with questions and answer round. The event was moderated by the IEEE –MUST SB.

The feedback was very good and participants requested for more such webinars and events so that everyone can make most of these quarantine days.

- **30 DAYS 30 CHALLENGES**

An event is being organized by the IEEE Student Branch, MUST “30 Days 30 Challenges.” The event began on 15th June and it will end on 15th July 2020. The event has been a huge success since day one with maximum participation; the event is being conducted via the social media platform- Instagram. Each day a challenging question is being uploaded on the Instagram story of our page@ieee_must and the first one to give the accurate answer is declared as the winner. Responses by each participant are being recorded, for every accurate answer a participant scores a point which helps the organizing committee to maintain a leader board. The questions mostly consist of brain teasers. The event is being moderated by the IEEE –MUST SB. The feedback so far is very good and participants feel very opportunistic to be a part of this event. Also, there is an increase in a number of participants each day. The event is still going on and the results so far are as follows-

Winners so far:

DAY 1: ANUSHKA SRIVASTAVA (MU)

DAY 2: LAVINA GARG(MU)

DAY 3: MRS.PRIYA MALIK(JAIPUR)

DAY 4: VANSHIKA ARORA(MU)

DAY 5: KIRTI CHOUDHARY(MU)

DAY 6: KIRTI CHOUDHARY(MU)

DAY 8: CHELSI MAHESHWARI(MU)

- **AMBASSADOR FOR IEEE XTREME 14.0**

IEEE Xtreme is an annual 24 hr coding contests held all across the world. Shatakshi Singh, Secretary of IEEE Student Branch, Mody University got selected to serve as Campus Ambassador for IEEE Xtreme 14.0.

- **DELHI SSN- SOCIAL MEDIA COORDINATOR**

IEEE Delhi Section Student Network (SSN) is a committee of student and senior members from all over Delhi Section to manage events and ensure smooth working of all student branches under Delhi Section. Shatakshi Singh from our student branch was selected to serve as Social Media Coordinator for Delhi SSN.

5.6 INAUGURATION OF IETE STUDENTS' FORUM AND ACM STUDENT CHAPTER

School of Engineering and Technology (SET) celebrated **Engineers' Day** by organizing one day National Seminar on Emerging Trends in Engineering and Technology along with the inauguration of IETE Students' Forum and ACM Student Chapter. The celebration of engineer's day began in traditional way by worshiping Bhagwan Vishwakarma Ji in the mechanical workshop. It was coordinated by Dr. Atul Kumar, HOD Mechanical Engineering. The program was started with the welcome address by **Dr. V. K. Jain, Dean-SET**. He proudly stated that our university created history by inaugurating three prominent student chapters on a single day. He guided the students about importance of these eminent societies; Students can increase their technical abilities and enhance their career by participating in the respective activities of student chapters. **Dr. Dinesh Yadav** the honorary secretary, IETE Rajasthan center has also introduced the IETE Students' forum. Similarly, **Ms. Sukriti Shah**, President ACM student chapter also expressed her views on having an ACM student body in our institution.

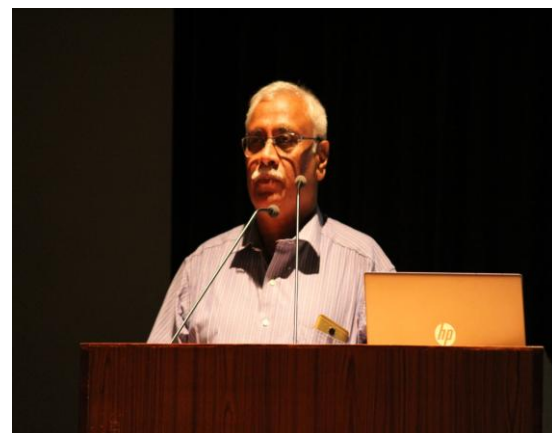
After the introduction of respective student chapters they were digitally inaugurated by the distinguished guests. The event was further preceded with prominent expert talks that inculcated new knowledge amongst the audience. The first talk was delivered by **Prof. Manish Tiwari, Chairman, IETE Rajasthan center** and HOD, ECE at Manipal University. He has provided an excellent coverage on Photonic Crystal Fibers. It was a very insightful and detailed presentation covering all the aspects of his research like guiding mechanism, differences, history and structure. **Er. A. K. Garg, Director (Operations), DMRC** delivered a valuable talk on Delhi Metro's positive impact on people's lives and how it is helping the environment, its features and its affiliation with COMET and Nova.

Finally, the event was graced by the thought-provoking address of the honourable **Chief Guest, Prof. Arun K. Pujari, Chancellor, Central University of Rajasthan**. He inspired the students by

explaining 'how to believe in the work they do'. He boosted the confidence of the future technocrats by stating that 'Engineers build the nation'. He also praised the University for commencing the chapters of such profound societies.

The eminent guests were presented with a memento as the token of our respect followed by the vote of thanks by Dr. Anil Saroliya, Associate Professor, SET, Mody University. The event was concluded by the national anthem in order to pay respect to our nation.

This event was coordinated by Dr. Anil Saroliya, Dr. Atul Kumar, Mr. P. K. Bishnoi and Dr.Paraskumar Singh.





5.6.1 IETE STUDENTS' FORUM



- **IETE WORKSHOP**

A Spybot Workshop was organized on 16th October 2019, from 5:00 pm onwards by the IETE Students Forum (ISF) as the opening event of the student chapter of The Institution of Electronics and Telecommunication Engineers at Mody University, Lakshmangarh wherein more than 60 students participated with enthusiasm.

The workshop started with words of motivation by the mentor Dr. Thoudam Paraskumar Singh, followed by the distribution of membership certificate to the students. In the end of the speech he welcomed all the IETE members and wished them luck for the academic year.

Then, Ms. Geetanjali Sharma, IV Year, ECE, took over the Spybot workshop wherein she explained the basic working and construction of the project and how can the students use the idea for their own projects as well. She explained how the bot was controlled using Bluetooth and also explained different ways in which the same project could be implemented. Students actively participated in the workshop and were satisfied with what they had learnt in the 2-hour workshop. The workshop ended with a cross question round when some students even suggested new ideas for the next workshop and even pointed out the areas that could be improved for the next time onwards.



- **IETE ELECTRONICS WORKSHOP**

An Electronics Workshop was organized on 18th and 19th November 2019, from 4:30 pm onwards by the IETE Students Forum (ISF) of the student chapter of The Institution of Electronics and Telecommunication Engineers at Mody University, Lakshmangarh wherein more than 80 students participated with enthusiasm.

The solo motto of the workshop was to enhance the technical skills of the students and create an interactive environment so that the students can ask their doubts freely. This workshop was conducted by the 2nd year students. IETE members of various branches prepared topics related to electronics and with a practical demonstration, taught them to the first year. The workshop covered everything, ranging from capacitors and resistors to transistors and soldering. Around 80 students turned over for the workshop and it was conducted successfully. We thank our faculty mentor Dr. Paras Kumar for helping us in conducting the workshop with confidence.



5.6.2 ACM STUDENT CHAPTER



- **Conducted 5 DAYS OF CODE 1.0** an online coding competition on Hacker Rank platform. This event saw a whopping participation of 63 female coders.

Results.

1. Anisha Shukla (Cash prize - 750/-)
2. Radhika Goyal (Cash prize - 750/-)
3. Muskan Sethi (Cash prize - 750/-)
4. Vidhi Agarwal (Cash prize - 300/-)
5. Muskan Gupta (Cash prize - 300/-)
6. Shatakshi Singh (Cash prize - 300/-)



- **UTUBITIVITY 1.0**

Mody University of Science and Technology ACM-W Student Chapter recently conducted 'UTubitivity 1.0', a YouTube activity under the guidance of Mr. P. K. Bishnoi, Faculty Mentor, wherein the participants created a five minutes video explaining technologies like Internet of Things (IoT) and Network Security. This event was inspired by Google's Women Techmakers YouTube channel's playlist "Women Techmakers in 60 Seconds!" The first prize was awarded to Tarunima Verma, B.Tech II year. Her video entitled "Network Security" uploaded on her YouTube channel – "TARUNIMA VERMA" garnered a whopping 936 views, 295 likes and 208 positive comments. The second prize was awarded to Shatakshi Singh, B.Tech II year. Her video entitled "Internet of Things" uploaded on her YouTube channel – "Shatakshi Singh" grabbed the eyeballs

of 804 viewers along with 279 likes and 94 positive comments. With “UTubitivity 1.0”, ACM-W Student Chapter has launched its official YouTube channel – “ACM-W MUST Student Chapter” and the winning entries can also be found on the channel under the playlist – “UTubitivity 1.0”.



6. DOCTORAL PROGRAMME

The following candidates have completed their PhD degree during 2019–2020:

1. Mr. Satyajit Anand
2. Ms. Suneetha Rikhari
3. Ms. Uma Meena
4. Mr. Ajay Kumar
5. Mr. Manmohan Sharma

7. CAREER DEVELOPMENT CENTRE (CDC)

Objective of CDC: Transforming the Training and Placement Cell to the Career Development Centre for achieving a wider perspective and new horizon in the area of Career Counseling, avenues related to Higher Studies, Entrepreneurship and Placement.

To prepare students as per the Industry expectations and to make them Industry ready, several initiatives have been taken by CDC like:

- **Training**
 - (a) In house
 - (b) Through 3rd party agencies
- **Assessment**
 - (a) In house Mock Sessions
 - (b) Through 3rd party agencies of repute
- **Faculty Enablement Programme (FEP) in the area of:**
 - (a) Soft Skills
 - (b) Analytical
 - (c) Android Technology
 - (d) Foundation Programme 4.0 on Java, etc.

In association with various industry leaders, to make them acquainted with the recent trends of the industry.

MODY UNIVERSITY OF SCIENCE AND TECHNOLOGY									
OVERALL PLACEMENT REPORT									
BATCH 2019 - 20									
Undergraduate									
Branch	Total Students (I)	Not Interested (II)	Below 60% (III)	Multiple Backlogs (IV)	Combined (With Overlapping) (II + III + IV)	Total Available Students	Students Placed	Placed %age	Remaining
B. Tech. CSE	117	1	12	16	16	100	86	86	14
B. Tech. ECE	9	0	1	1	2	7	7	100	0
B. Tech. EE	3	0	1	2	2	1	0	0.00	1
B. Tech. ME	4	0	0	1	1	3	1	33.33	2
B.Tech. (Bio Med)	5	0	0	3	3	2	2	100	0
TOTAL (UG)	138	1	14	23	24	113	96	84.96	17

Postgraduate									
Branch	Total Students (I)	Not Interested (II)	Below 60% (III)	Multiple Backlogs (IV)	Combined (With Overlapping) (II + III + IV)	Total Available Students	Students Placed	Placed %age	Remaining
MCA	6	0	1	1	1	5	4	80.00	1
M.Tech.	6	5	0	0	5	1	0	0.00	1
TOTAL (PG)	12	5	1	1	6	6	4	66.67	2

Company-wise Placement Record

SNo.	Company	Selection	Students Appeared	Package (in Rs.)
1	JUSPAY	0	120	8.00 LPA
2	HPE	8	76	(8.80 + 1.50) LPA
3	Union Bank of Switzerland	2	76	(8.50 + 2.00) LPA
4	Altran (Aricent)	26	98	3.50 LPA
5	EPAM Systems	0	102	6.50 LPA
6	TCS	1	115	3.50 LPA
7	Accenture	47	101	4.50 LPA / 6.50 LPA
8	Honeywell	16	115	Rs. 20 KPM (Stip) / Rs. 5.50 LPA
9	John Deere #			6.35 LPA
10	Josh Technologies			7.25 LPA
11	ZS Associates (Big Data)	0	45	8.93 + Other Benefits
12	ZS Associates (Regular)	0	47	8.93 + Other Benefits
13	Infosys TQ	1	120	4.10, 5.00 & 8.00 LPA
14	Jaro Education #		103	12.02 LPA
15	Expedia	1	PPO	11.63 LPA
16	American Express	1	98	70 K PM (Stip) 11.27 + 2.00 LPA
17	Ericsson	14	45	3.75 LPA
18	Tech Mahindra (Comviva)	0	28	6.60 LPA
19	IBM	3	15	3.50 LPA
20	Futures First	0	112	12.40 LPA
21	NameKart #			7.00 LPA
22	Metacube	1	60	5.00 LPA
23	Cape Gemini	5	32	3.80 LPA

24	SAP Labs	0	15	25000 PM Stipend
25	MTX	0	6	6.50 LPA
26	Thrillophilia	1	5	3.42 LPA
27	NEI	1	4	3.60 LPA
28	Mahindra & Mahindra #		9	6.50 LPA
29	HSBC	1		7.00 LPA
30	Mobikwik	1		4.20 LPA
30	Adobe Systems#			22.37 LPA
Total		130		#Under Process

8. LIBRARY ACTIVITIES

- ▶ Fully computerized using KOHA LMS Software Package.
- ▶ Barcode-based Circulation System with 3M security.
- ▶ 280 users seating capacity.
- ▶ Complete Collection Bar-coded.
- ▶ 47 PCs: All Internets enabled.
- ▶ 2121 E-Journals and 160 E- Books
- ▶ URKUND antiplagiarism software by UGC
(Identify unoriginal content with the world’s most effective plagiarism detection solution. Manage potential academic misconduct by highlighting similarities to the world’s largest collection of internet, academic, and student paper content)

Library Area of Library

Total Area	:	2595 SQM
➤ Reading Area	:	1450 SQM
➤ Stack Room	:	1040 SQM
➤ Digital Area	:	105 SQM

Library Collection

Books

➤ Number of Titles	:	15163
➤ Number of Volumes	:	44963

Project Reports : **1910**

Bound Volumes : **939**

Compact Disk : **1880**

E-Books:

➤ McGraw Hill	:	80
➤ Elsevier	:	80

➤ DELNET : 10931

Journals and periodical collection

➤ National Journals : 54
 ➤ International Journals : 13
 ➤ Magazines : 67
Total : 134

Online Journals:-

S.No	Name of Journal	Content/Subject Area	Link
1	IEEE	Computer, Science, Electronics & Communication Engineering, Telecommunication Engineering	www.ieeexplore.ieee.org
2	EBSCO	<u>EBSCO Discovery Service - Improving Your Search Results</u> <u>Basic Searching on EBSCO host</u> <u>EBSCO eBooks - Downloading</u>	https://connect.ebsco.com
3	J-Gate	<u>Journals Indexed, Articles Indexed Till Date and Articles Added Daily</u>	https://jgateplus.com/home/
4	Knimbus	<u>Serch full text Journals, Millions of e-books and course documents</u>	https://new.knimbus.com/#/

Membership:-

1. DELNET Membership
2. ISTE
3. The Institution of Engineers, Kolkata
4. Computer Society of India
5. NDL (National Digital Library)
6. WDL (World Digital Library)
7. Shodh Ganga
8. INFILIBNET

9. STUDENT SOCITIES


9.1 ATHLON



Vision:

Sports have always been an integral part of Mody University of Science and Technology. It has not only helped us in developing sportsman spirit but also groomed personalities of students in all round development. Winning and losing in a sport is always secondary, what is primary is that it gives us a plethora of opportunities to showcase talents. Athlon provides facilities and coaching to enable students from all backgrounds to reach their full potential in their sport performance. It builds a vibrant and integrated sports community that will give students the opportunity to develop their leadership and management skills.

Objectives:

- To provide students the opportunity for instruction and participation in a wide variety of sports of which one may develop sound, lifelong leisure values.
- To develop leadership skills and foster qualities of co-operation, tolerance, consideration, trust and responsibility when faced with group and team problem-solving tasks.
- To provide an avenue for camaraderie and to develop a sense of belonging among individuals in the shared pursuit of sport.
- To provide an outlet for advanced participation and competition in a particular sport.
- To develop an ability to observe, analyse and judge the performance of self and peers in sporting situations.
- To develop an appreciation of the concepts of fair play, honest competition and good sportsmanship.
- To use sport as a means to develop social interaction and so learn about others as well as themselves.
- To provide a release for students in order to refresh for academic work.
- To promote an understanding of physical and mental well-being through an appreciation of stress, rest and relaxation.

OFFICE BEARERS			
NAME	POST	YEAR IN ATHLON	PHOTO
Sajjan Rathore	General Secretary	2016 – 2020	

Chetanshi Chaudhary	Joint Secretary	2016 – 2020	
Stuti Anand	Joint Secretary	2016 – 2020	

Faculty Mentor: Dr. Vikash Raina



Activities:

- **CELEBRATION OF NATIONAL SPORTS DAY**

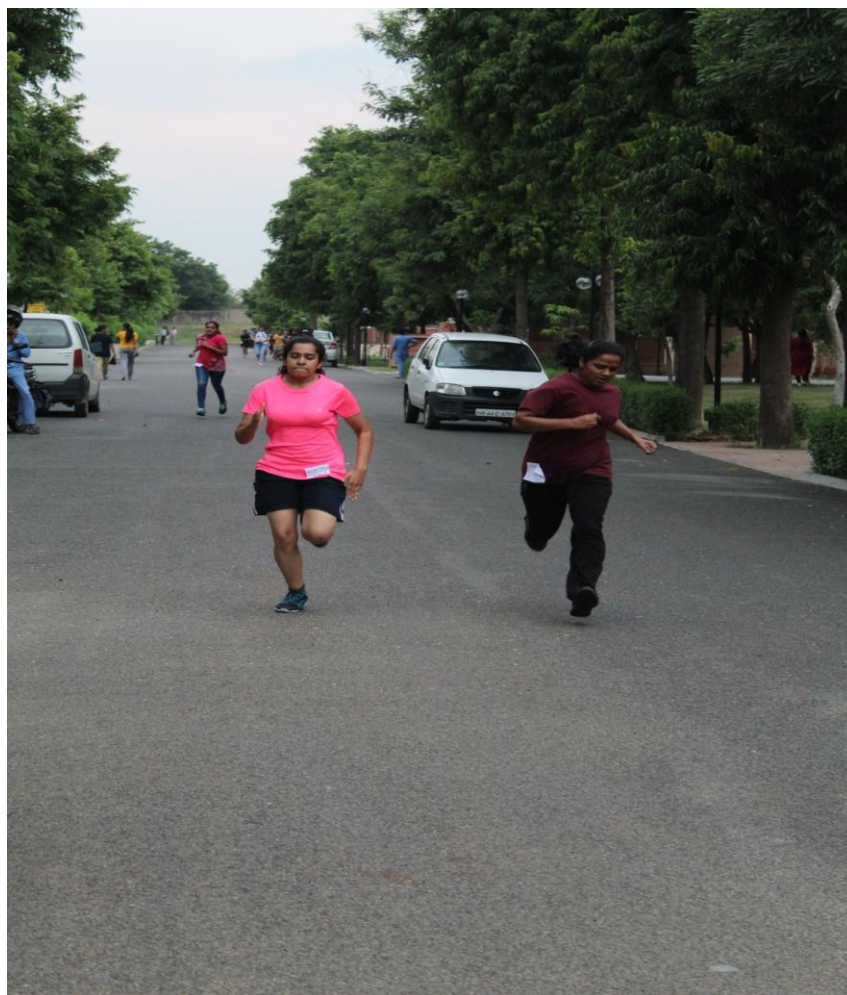
Every year, in the memory of **Hockey Wizard, Late Major Dhyanchand, 29th August** is celebrated as **National Sports Day** across the country. To commemorate the importance of the day and propel the feelings of sportsmanship amongst the students of University, Mody University of Science and Technology also celebrated the National Sports Day on the same day. An array of sports events were organized as the part of the celebrations. The inauguration of the day started with a marathon race, in which large number of students participated with enthusiasm and learned the significance of running in the life. The marathon was inaugurated by **Dean -School of Engineering and Technology-Dr. V.K. Jain. Dean School of Liberal Arts and Science Prof. Atul Kumar**, officials of the university and teachers and students of various schools were also present in great numbers to encourage the students and their friends. **Ms. Savita of School of Liberal Arts and Science** won the Marathon with lot of confidence. She finished it far earlier than her fellow

compatriots. Other sports events of the day, also witnessed the audience and supporters in great numbers. In **Football**, **School of Engineering and Technology** won the match by defeating the Rest of the University Team and, in **Badminton SET and SLS shared the honors equally**. School of Engineering and Technology won the doubles title whereas School of Legal Studies won the singles crown. They were also the runners up in singles and doubles. In **Table Tennis** once again School of Engineering and Technology demonstrated their supremacy and won the singles and Doubles titles, whereas School of Management Studies stood runners up. In Basketball, School of Engineering and Technology and School of Management Studies played together like true champions and came victorious against the Rest of the University Team. But in **Volleyball** the results did not favour the School of Engineering and Technology team though they put up a brave fight against their opponents Rest of the University Team.

An event of such a large magnitude could not be accomplished without the proper and timely support and guidance of the different individuals. Apart from the various officials of the university many faculty members also provided their guidance and support at every opportune moment. **Dr. M. Venugopal Rao (Director Academics), Dr. V. K. Jain (Dean –SET) and Dr. (Prof.) Atul Kumar (Dean-SLAS)** were very quick in giving the nod for the approval of this event. **Faculty and staff members (Dr. Paras Kumar, Dr. Vikas Raina, Dr. Gaurav Dhiman, Dr. R.S. Chundawat, Mr. Rishi Kumar and finally Mr. Ramesh Kumar)** also worked in the roles of referees and mentors for this event. Their role was very pivotal for the culmination of the event. Result of the various events is given in the following table.







S.No.	Event	Winner	Team Members	Runners-Up	Team Members
1.	Marathon	SLAS	Ms. Savita	SET	1.Ms. Kajal Shekhawat 2. Ms. Aarushi
2.	Basketball	SET & SMS	Ms. Madhu, Ms. Sajjan, Ms. Bhavya, Ms. Rishita, Ms. Ruchi	SLAS and Rest of the University	Ms. Savita Ms. Rupanshi Mittal Ms.Gajalalshrath Taj Ms. Aparajita Swami Ms. Sonali
3.	Football	SET	Ms. Chetanshi Chaudhary, Ms. MehakAggarwal	Rest of the University	Ms. Harnoor Kaur Dhillon Ms. Khushboo

			Ms.Ananya Ms. Anchal Ms. Sushmita Ms. Aishwarya Ms. Priyasha		Kataria Ms. Aparajita Swami Ms. Archana Pandit Ms. Vaishnavi Ms. Kanika Ms. Isha Rathi
4.	Badminton (Singles)	SLS	Ms. Vaishnavi	SLS	Ms. Shruti Tiwari
5.	Badminton(Doubles)	SET	Ms. Shelsia and Ms. Riya Sinha	SLS	Ms. Shruti Tiwari Ms. Vaishnavi
6.	Table- Tennis (Singles)	SET	Ms. KangkanaParasar	SMS	Ms. Mrinalini Upadhyay
7.	Table- Tennis (Doubles)	SET	Ms. SnehaDujaniya Ms. Shruti Sharma	SMS	Ms. Mrinalini Upadhyay Ms. Aakriti Agarwala
8.	Volleyball	Rest of the University	Ms. Akku Ms. Kiran Ms. Sonali Ms. Kirti Ms. Kanika Ms. Indu	SET & SMS	Ms. Stuti Anand Ms. Pooja Gupta Ms. Disha Vagrecha MS. Deepshikha Ms. Srishti Rana Ms. Martha

9.2 KARUNA Club




KARUNA club is an official social service club of SET. It is working for the welfare of underprivileged children since 2006.

The vision of KARUNA club is to bring a change in the lives of the underprivileged children by providing them quality education so that they can live a life of respect.


The objectives of KARUNA club are- Educating the underprivileged children, Creating awareness in the society on various issues like food wastage, cleanliness , women and children rights and education and Encouraging the students to participate in community development programs.

KARUNA Club Outcomes:

- Educated the underprivileged children.
- Created awareness in the society on various issues like food wastage, cleanliness, women and children rights and education.
- Encouraged the students to participate in community development programs.
- Weekend classes by members of Karuna society & distribution of stationary & snacks

OFFICE BEARERS			
NAME	POST	YEAR IN KARUNA	PHOTO
Vaishali Kumari	President	2016-20	

Ananya Singh	Vice President	2016-20	
Divya Aswani	Joint Treasurer	2016-20	
Muskan Khandelwal	Finance Head	2016-20	
Akshita Gupta	Joint Secretary	2016-20	

Bidisha Patgiri	Marketing Head	2016-20	
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Faculty Mentor: Dr. Purnima Sharma



ACTIVITIES:

- **INDEPENDENCE DAY CELEBRATION AT BAL SEVA SADAN BY KARUNA CLUB**

The members of Karuna club along with Faculty Coordinator Dr. Purnima Sharma celebrated the Independence Day with the students of Bal SevaSadan, a school at Lakshmangarh for the underprivileged children. The school children gave inspiring performances in the form of PT exercise, dances, poem recitation and group songs. The members of Karuna Club also presented a patriotic song and recited verses to inspire the students. This was followed by distribution of refreshment to the children in the school and interaction with the students and teachers. The members finally returned after spending quality time with the children.



- **CLOTH DISTRIBUTION TO LABOURS BY KARUNA CLUB**

Karuna club members collected unused and old cloths and footwear from students and faculties. These cloths were distributed to needy labours, working in Mody University Campus during evening hours near Gate No 2 on 19th October 2019.





- **ART AND CRAFT WORKSHOP BY KARUNA CLUB**

Karuna club conducted one day Art & Craft Workshop on 11th November 2019. Club members prepared eco-friendly paper bags, which were distributed among underprivileged children during Children's day. The bags were very attractive and students enjoyed the workshop.





- **CHILDREN'S DAY CELEBRATION AT BAL SEVA SADAN SCHOOL**

Karuna Club members attended a fair organized at Bal Seva Sadan School, Lakshmaragarh on the occasion of Children's Day. The school children arranged various stalls of eatable items. In the fair, Karuna club members distributed refreshment and toiletry items amongst the children. All the children of Bal Seva Sadan were very excited and happy. It has given an immense pleasure and peace by being the part of this event.







- **REPUBLIC DAY CELEBRATION**


The members of Karuna club celebrated the Republic Day with the students of Bal SevaSadan, a school at Lakshmarangarh for the underprivileged children. The school children gave inspiring performances in the form of P.T., dances, poem recitation and group songs. The members of Karuna club also presented a patriotic song and recited verses to inspire the students. This was followed by distribution of refreshment and water bottles to the children in the school. The members finally returned after spending quality time with the children.



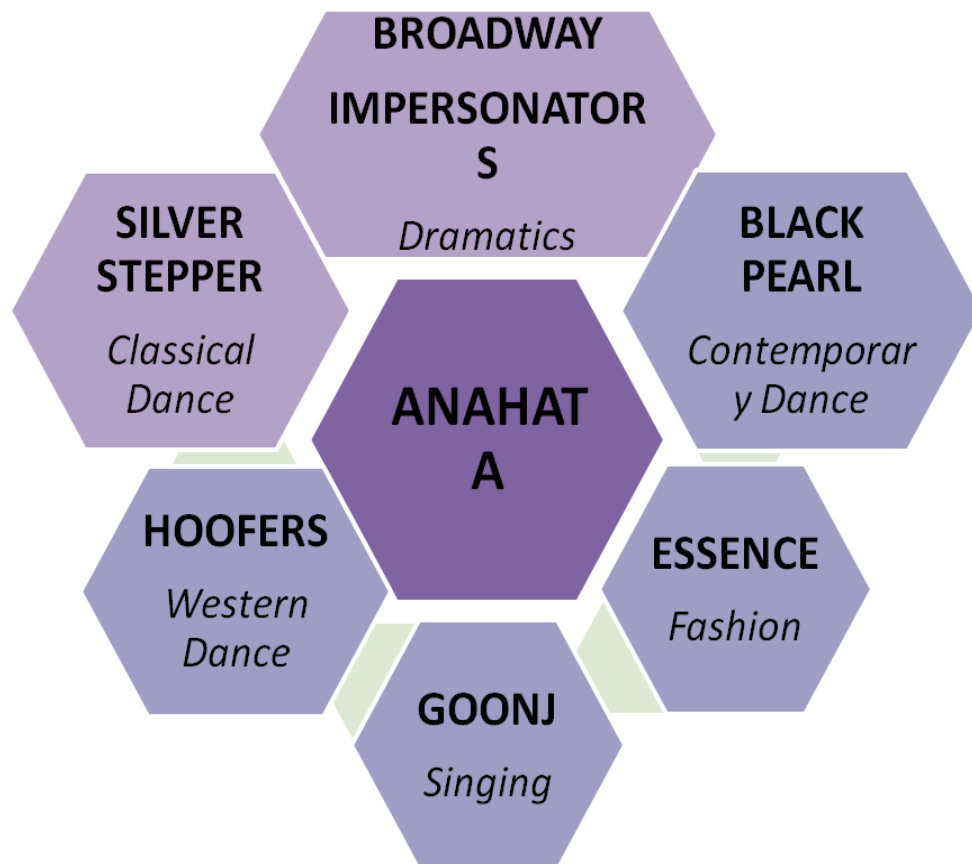


9.3 ANAHATA

OFFICE BEARERS			
NAME	POST	YEAR IN ANAHATA	PHOTO
Akancha Apurv	General Secretary	2016 – 2020	
Pratima Ratwani	Joint Secretary	2016 – 2020	

Kriti Jijja	Joint Secretary	2016 – 2020	
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Faculty Mentor: Ms. Aditi Kajala



ACTIVITIES:

- **INDEPENDENCE DAY CELEBRATION AT MUST**

Mody university celebrated the 73rd Independence Day, 15 August 2019. Apart from heart winning culture program and well-coordinated march past, we had our wonderful chief guests to grace the occasion. The day began with a parade in which all the schools of Mody University participated.



- **TEACHER'S DAY CELEBRATION**

Every year we mark 5th September as the Teachers day. On the birth anniversary of the great teacher **Dr. Sarvepalli Radhakrishnan**. This day was celebrated on 5th September, 2019 at 2:30 p.m. in room no. ABB01. The event was organised by the students of Mody University under the guidance of Ms. Aditi Kajala.

The event started with the welcome of the teachers and the Dean SET Prof (Dr.) V.K Jain. The sound of claps and cheers echoed in the room. All the teachers were color-coordinated and wore something in blue.

The function started by the anchors with the introduction and importance of teachers in our lives. The event included the performances of students which were singing, dancing, comedy and poem recitation. The singing performances took the hearts of the audience where the singers in their melodious voice captivated the minds of everyone and also with their fine tunes forced the audience to sing along.

The dance performances that included both the Indian form and western form. Some good performances include Kathak dance by Poova Tiwari, some duet performances. The groovy moves and captivating expressions made the event worth attending.

A comedy act of Sanjoi that made the audience laughs into tears.

It was not only about the performances that left an impact but the interactive and cheerful games that made everyone enjoy the event. The games like whisper challenge, five-second rule, and heads up took the hearts. Every game included two participants (faculty and staff member).

They competed against each other to win the game. The games were planned to see how well the teachers can get along to produce something entertaining and to witness the sporty behaviour. Teachers also have hobbies like singing and dancing and therefore the teachers also gave breath taking performances.

Dean-SET Prof (Dr.) V.K Jain also gave a motivational speech in the event. He inspired the audience by quoting many do have of Poet Kabir Das ji to explain the importance of a teacher. The event also included few clippings of memories in the form of a presentation. All the teachers revisited their memories and enjoyed every bit of it.

The program ended with the cake cutting ceremony and the refreshments. The program was an amalgam of great performers and active audience that led to the success of the event. Everyone enjoyed and left with another memory to keep.








9.4 ENGINIUM/PICTURESQUE

Vision: When the little creative minds are pricked and praised by the teachers at the right time, these will erupt like a volcano where from flows the wonderful literary work. School magazine reflect the identity of the educational institutions and is an integral part of the education system. And, what is primary is that it gives us a plethora of opportunities to showcase talents. Enginium, the official magazine of SET provides an amazing platform in the form of the college magazine to all the budding writers and talent heads of SET and to communicate and spread their ideas through Enginium.

Objective:

- To serve as a platform to highlight the literary and artistic segment of the SET family. It forms a bridge between flowing thoughts and artistic magnification.

- It consists of 8 teams- Art, Creative, Journalism, Technical, English, Hindi, Photography and Marketing
- The Enginium team works to bring out the annual official student publication.

OFFICE BEARERS			
Name	Post	Year in ENGINIUM	Photo
Shubhangi Gupta	Chief Editor (Enginium)	2016-20	
Vaishnavi Pujara	Deputy Editor (Enginium)	2016-20	
Akshita Gupta	Deputy Editor (Enginium)	2016-20	

Kriti Jijja	Head Designer(Enginium)	2016-20	
Anudita Sharma	Head Designer (Enginium)	2016-20	
Akshita Gupta	General Secretary (Picturesque)	2016-20	
Bidisha Patgiri	Deputy General Secretary (Picturesque)	2016-20	

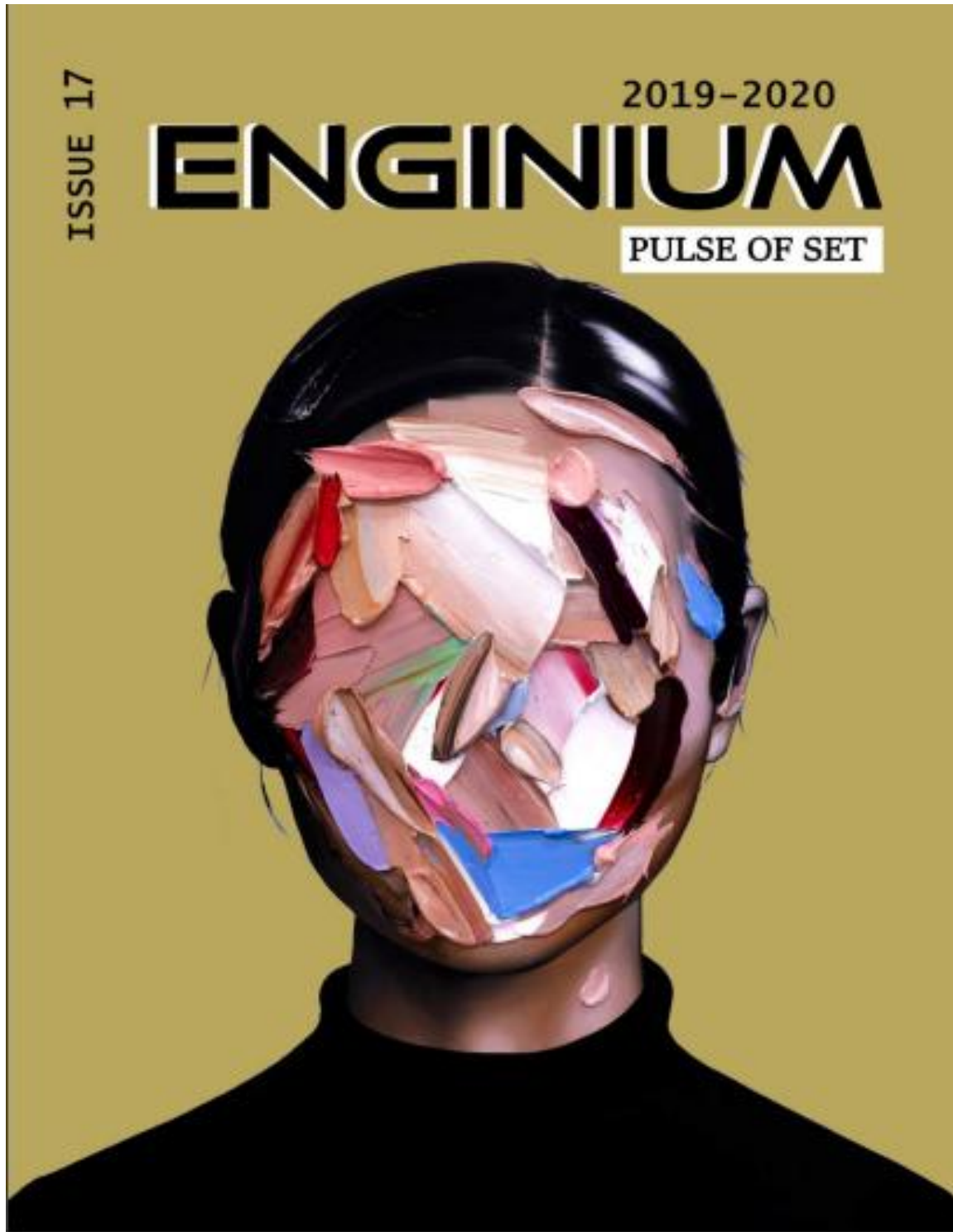
Anushka Agarwal	Joint Secretary (Picturesque)	2016-20	
Mansi Kashyap	Joint Secretary (Picturesque)	2016-20	

Faculty Mentor: Dr. Uma Kumari



➤ **Events Coverage by Enginium Photography Team**

- Independence Day (15th August, 2019)
- Founder's Day Celebration (FDC) (23rd January, 2020)
- Two day International Conference entitled "International Conference on Emerging Trends in Communication, Control and Computing (ICONC3-2020)" & CSI-National Student Convention during 21-22 February, 2020
- The theme of this year's 17th issue is **THE PULSE OF SET**





Nandini Jhajhria



Nandini Jhajhria



Priyanshi Lala



Priyanshi Lala











Priyanshi Lala

9.5 UTKARSH – CSI Student Branch

UTKARSH: CSI-MUST Student Branch is the Student Branch of the Computer Society of India (CSI) at School of Engineering and Technology, Mody University of Science and Technology, Lakshmanagarh and our Student Branch has been functioning here at SET-MUST from 2015 onwards. Various Technical Events are organized in every Semester.

Our events are intended to encourage and promote specialized development and touch off creativity and informativeness among students by organizing seminars, workshops, and specialized technical events.

OFFICE BEARERS			
Name	Post	Year in UTKARSH	Photo
Anudita Sharma	Convener	2016-20	
Aditi Pansari	Co-Convener	2016-20	
Riya Vats	Co-Convener	2016-20	

Gunjan Bhatnagar	Technical Head	2016-20	
Divya Aswani	Technical Head	2016-20	
Aanavi Gupta	Treasurer	2017-21	
Prachi Singhal	Treasurer	2017-20	
Tanushree	Documentation Head	2016-20	

Faculty Mentor: Dr. Anand Sharma



ACTIVITIES:

- **TECHNICAL SESSION ON DIGITAL FORENSICS**

CSI Student Branch, Mody University of Science and Technology organized a Technical session on **Digital Forensics** on 19th October, 2019.

The session was conducted by Mr. Siddharth Dangi, Assistant Professor in Forensics Department in Mody University. Great number of enthusiastic students attended the session. The session commenced with arrival of Dr. Anand Sharma and Mr. Siddharth Dangi.

The session was divided in fourteen topics. Initially, the fundamental basics of digital forensics and its importance in the field of crime study were explained. A brief introduction about the articles in Indian Constitution and punishment procedures in this field was made by Speaker. Thereafter the different types of storage media and recovering them from the crime scene were told, and briefing about evidence handling was also made.

A clear distinction between digital forensics and cyber security was told, which a common doubt by the students was. Then the speaker told the different types of data, like allocated, unallocated and slack data and how we can recover unallocated data by applications like Recuva. A vivid description on topics of imaging and bit by bit copying was made. It is hard to locate the hidden slack data in the hard disk. So in this case, imaging is used which 'bit by bit' copies the allocated, unallocated and the slack data.

In the end, jumping of the password of the system with the help of trail obs-function was explained, which was followed by a practical of imaging.

Overall, the entire session was quite engaging; students came up with some interesting queries which were answered very well by speaker. Students who attended the session were quite inspired by this new topic were in enthusiasm to learn more on this.



- ### CSI NATIONAL STUDENT CONVENTION 2020

CSI student branch of Mody University of Science and Technology conducted a 2-Day National Student Convention (CSI NSC 2020) of Computer Society of India (CSI) 2020 from 21st February to 22nd February at School of Engineering and Technology, Mody University of Science and Technology. The theme of the convention was “ICT for Sustainable Development”. A total of 521 student participants, 100 faculty delegates and 25 Experts from industry and academia from national and international affiliation participated in this convention, which consisted of various events such as are IOT Workshop, Hardware Model Presentation, Software Presentation, Website Development Contest, Application Development Contest, Poster Presentation, Paper Presentation, ICT Quiz, Coding Competition.



The 2-day event was commenced with an inaugural ceremony. The ceremony began with lamp lighting by dignitaries. The dignitaries present were The Chief Guest Prof. K. K. Aggarwal

(Chairman-National Board of Accreditation, New Delhi), Guest of Honour Dr. Narendra S. Chaudhari (Vice Chancellor - Uttarakhand Technical University, Dehradun), Dr. A. K. Nayak (President- Computer Society of India), Prof. Kamesh Namuduri (University of North Texas-Denton, USA), Prof. Girish Kumar (IIT Bombay, Powai, Mumbai), Prof. Ramzi A. Haraty (American Lebanese University, Beirut, Lebanon), Prof. V. K. Jain ((Dean, Academics & SET Mody University) and Dr. Anand Sharma (SBC CSI Student Branch).

They inspired the students with their influential presence and advised them for achieving their aim without losing moral values. Dr. V.K. Jain, Dean-SET welcomed the students and dignitaries with his motivating words.

The day 1 of the events started with Keynote Address on the topic “Communication Technologies: application and its affect”, the speaker were Prof. Girish Kumar (IIT-Bombay), Prof. Kamesh Namudri (UNT, USA) and Mr. Rajib Bose (IBM). The speaker shared their ideas and views on the topic.



Parallel all other events IOT Workshop, Hardware Presentation, Software Presentation, Website Development, Application Development, Poster Presentation, Paper Presentation, and Coding Competition, also got started.

The day-1 ended with a mesmerizing performance of students in cultural program in the presence of all the dignitaries, students and the participants, later a Gala Dinner was organized for everyone.



The IOT Workshop was conducted by the “REGEX- Jaipur”, it was a two day workshop with hands on projects.



The Software presentation which total of 69 participants with 32 teams, various innovative software projects was displayed. The event was evaluated by Dr. Mamta C. Padole (CSI), the winner of Software project presentation was team “Vision AR”, they won a cash prize of 3000 rupees and memento.

The Hardware presentation which witnessed almost 51 participants with 19 teams, various innovative hardware projects was displayed. The event was evaluated by Dr. Santosh Yadav (CSI), the winner of hardware project presentation was team “SillyT”, and they won a cash prize of 7000 rupees and memento.



The Coding Competition which witnessed almost 39 participants. The winner of coding competition was Sukriti Shah, she won a cash prize of 3000 rupees and memento.

The student displayed their creativity through poster presentation, the total no. of participant in this event was 32 teams with 64 participants, and the posters were evaluated by Dr. Vishal Gaur (ECB Bikaner) and Mr. Pawan Tanwar (ECB Bikaner). The winner of this event was team “Tech3”, they won a cash prize of 3000 rupees and memento.



In web designing contest participants showed their creativity through HTML pages, A total no, of 31 teams and 77 participants participated in the event, the event was evaluated by Dr. Mamta C. Padole (RSC3, CSI). The winner was team “Rajshri”, they won a cash prize of 3000 rupees and memento.

The App Development witnessed 6 teams and 17 participants. The participants developed various apps based on the theme. The event was evaluated by Amit Sanghi (CSI-Lakshmanagarh Chapter), the winner was team “TechArmy” they won the cash prize of 3000 rupees.

Many students submitted their research and review paper in the paper presentation, the event was evaluated by Dr. Pradeep Rathi (RVP 6), The best paper was awarded to Jeeya Chouhan and Saumya Saraswat, They were awarded a cash prize of 3000 rupees and memento.

Student showed their General Knowledge in technical sector by participating in ICT quiz. The winner of quiz was Teena Taneja , she won a cash prize of 3000 rupees.

The whole 2-day convention was successfully concluded with valedictory ceremony and prize distribution with Chief Guest Prof. S. Sancheti Vice-Chancellor, SRM IST, and guest of Honour Prof. Kamesh Namuduri, (University of North Texas-Denton, USA) and Prof. Ramzi A. Haraty(American Lebanese University Beirut, Lebanon), Prof. R.K Vyas (Vice President CSI), Prof. Jayant Bhide (Regional Vice President-3 CSI), Prof. M. Venugopal Rao (Director, Mody University), Prof.V.K Jain (Dean, Academics & SET, Mody University), Dr Rajeev Pourush (Head ECE Deptt. SET) and Dr. Anand Sharma (SBC, CSI Student Branch).



The winners were awarded with certificates and cash prizes and all the participants were felicitated with certificate of participation. At the end Dr Anand Sharma proposed a vote of thanks.

10. UNNAT BHARAT ABHIYAN (UBA)

The Unnat Bharat Abhiyan is the ambitious initiative of MHRD, Government of India which envisages that, the technical institutions should come forward along with their students for upliftment of the rural society. UBA is a platform for the students to show their technical skills by providing technical solutions for problems faced by local rural society. It also undergoes activities related with sensitization of the people about various issues like education, women empowerment, health, hygiene, sanitation, wastewater management, agriculture, addiction etc.



IIT-Delhi is the Central Nodal Agency who is controlling and monitoring the functioning of UBA across the nation. Mody University of Science and Technology is also associated with UBA as Participating Institute (PI) vide AISHE Code: U-0412. The university has identified five nearby villages viz Lalasi, Bau, Yalsar, Bhuriyaka bas and Narodara.

Hence responsibility of UBA is bestowed upon following energetic members by including them as a part of UBA cell at Mody University:

1. Dr. Puneet Kumar, CSE, SET (Nodal officer, UBA)
2. Dr. Sanjeev Jakhar, ME, SET (Member)
3. Dr. Vinod Mann, CSE, SET (Member)
4. Dr. Purnima Sharma, ECE, SET (Member)
5. Mr. Mukul Kant Paliwal, ME, SET (Member)

Following activities have been performed under UBA so far:

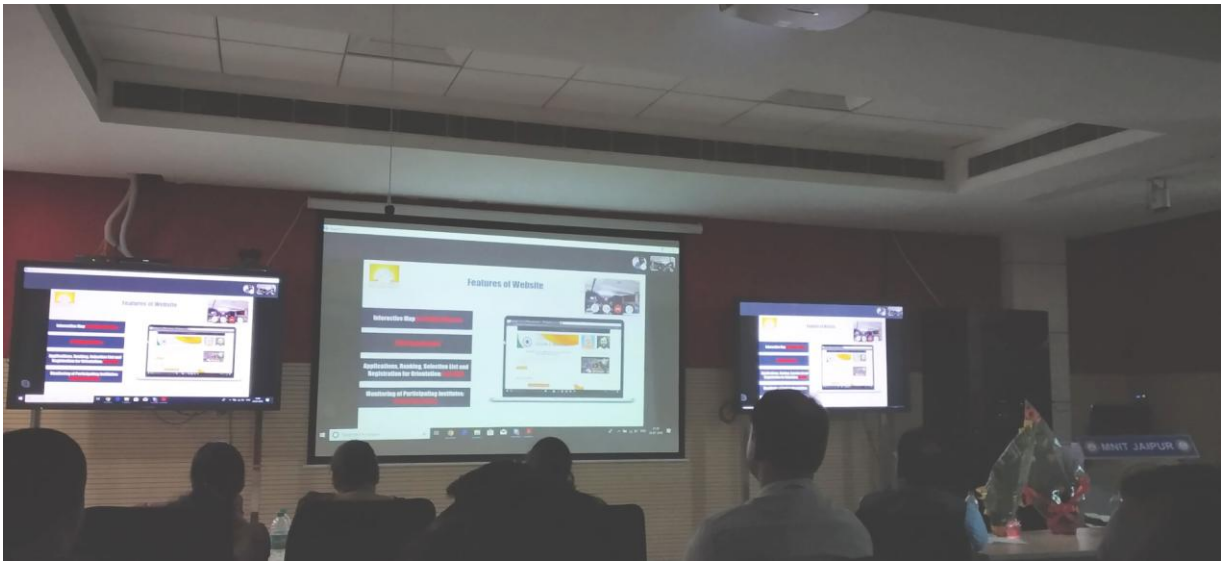
- Dr, Anil Saroliya participated in **Unnat Bharat Abhiyan (UBA)** one day workshop held in MNIT, Jaipur on 29th July 2019. This was the first Regional Oriented Workshop held in Rajasthan for Participating Institutes (PIs) to initiate work in adopted Villages Clusters.

The workshop began with the explanation of the "Role of Institutions in UBA" by *Sh. Naval Kishor Arora (Regional Officer, CRO-AICTE Bhopal)*. He also interacted with the representatives of each PI and suggested some more activities in their respective adopted villages. His suggestions are:

- PIs should complete the task related village survey as soon as possible (before October, must finished the same),
- Introduce some sports and cultural activities so that villagers will show interest in UBA.
- Provide the opportunity to village kids for some knowledgeable visit (i.e. Science Park, Knowledge Park, Science Fair, Education Fair, etc.)
- If possible then organize Medical Camps.
- Increase the awareness among villagers about cleanliness and sanitation.
- Also, introduce them about the importance of health and hygiene life.

After that IIT Delhi representatives explained the framework for preparation of "Plan of Action" and Funding and Convergence possibilities in UBA for PIs. All such type of information is also available on UBA portal.

Post lunch, a group activity was performed in between various PIs centered around MNIT data (as example). *Sh. Dinesh Pandey, Sr. Academic Consultant, MGNCRE, Hyderabad* discussed the way how to perform the tasks related to Rural Community Engagement and Rural Immersion. Finally, the workshop was concluded by *Dr. R. Manoj Kumar, Joint Secretary & Head-UGC, CRO, Bhopal*. At the end, A participation certificate was also awarded by organizers.



- Baseline household survey (Phase-III) in Village Bau and Bhuriyaka Bas by students of Mody University on September 08, 2019



छात्राओं ने दी उन्नत भारत कार्यक्रम के तहत दी जानकारी



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लक्ष्मणगढ़. उन्नत भारत अभियान के अंतर्गत मोदी विश्वविद्यालय के यूथ सोशल रेस्पॉन्सिबिलिटी क्लब की लगभग 50 छात्राओं ने सोमवार को उपखंड के बड़ व भूरिया बास गांव का सर्वेक्षण किया। छात्राओं ने

एक ओर जहां ग्रामीणों से इलाके से सम्बन्धित विभिन्न समस्याओं पर उनके विचार जाने, वहीं दूसरी ओर ग्रामीणों को सरकार की विभिन्न योजनाओं की जानकारी दी। संस्थान निदेशक डॉ. वेणुगोपाल राव ने बताया कि उन्नत भारत योजना के अंतर्गत प्रशिक्षण, गांवों का भ्रमण, ग्राम सभा, महिला सभा, बाल सभा, सर्वेक्षण आदि महत्वपूर्ण कार्य मोदी विश्वविद्यालय की छात्राओं की ओर से किए जाएंगे। इस मौके पर डॉ. पूर्णिमा शर्मा, ऋषि कुमार, राजीव सिंह, डॉ. विनोद मान, रमेश कुमार, पुरुषोत्तम दास व सरपंच प्रतिनिधि विनोद कुमार शर्मा उपस्थित थे।

उन्नत भारत अभियान : ग्रामीणों से रूबरू हुई मोदी विवि की छात्राएं



लक्ष्मणगढ़ | केन्द्र सरकार के उन्नत भारत अभियान में समोदी विवि की छात्राओं के दल ने गोद लिए गए गांवों में ग्रामीणों से चर्चा एवं सर्वे किया। विवि के यूथ सोशल रिस्पॉन्सिबिलिटी क्लब की 50 छात्राओं के दल ने सोमवार को बड़ एवं भूरियों का बास ग्राम में सरकार की योजनाओं की जानकारी दी। मोदी संस्थान के निदेशक डॉ. वेणुगोपाल राव, स्कूल ऑफ इंजीनियरिंग के डीन प्रो. वीके जैन के निर्देशन में कार्यक्रम की रूपरेखा तैयार करने वाले डॉ. कुमार संभव पारीक व डॉ. पुनीत कुमार के अलावा डॉ. पूर्णिमा शर्मा, ऋषि कुमार, राजीव सिंह, डॉ. विनोद मान, रमेश कुमार आदि थे।

11. ROBOTICS LAB SETUP AT SET, MODY UNIVERSITY UNDER “E - YANTRA” INITIATIVE BY IIT BOMBAY

• EYANTRA – INTRODUCTION

E-Yantra Lab Setup Initiative (eLSI) of IIT Bombay supports infrastructure creation at colleges by providing a platform for inducting teachers in Project Based Learning or “Learning by doing”. Faculty members are trained in theory and applications of embedded systems and Robotics, in addition to providing guidance in setting up an Embedded Systems and Robotics lab at the college.

• Benefits for SET (Mody University)

IIT Bombay is providing assistance in setting up of Robotics and Automation lab at selected colleges, who qualify under Task Based Training (TBT) of E-Yantra.

E-Yantra supports the curriculum of computer science and electronics engineering. The robotics and automation field is an interdisciplinary area of engineering and is helpful in conduct of student projects and further research. Students from various engineering departments will collaborate and work on different research projects thereby contributing towards knowledge addition and research advancement.

• E-YANTRA ROBOTICS LAB INAUGURATION

School of Engineering and Technology inaugurated its “**Embedded Systems & Robotic Lab**” funded by **MHRD under National Mission on Education through ICT** through video conferencing on **30/07/19**. The ceremony started with an opening address by the e-Yantra Team at IIT Bombay. This was followed by Lighting of Lamp and Ribbon Cutting Ceremony. A short address on E-Yantra Lab Setup initiative (eLSI) of IIT Bombay was delivered by Dean SET who emphasized on the importance of setting up of this lab in students’ collaboration to enable them work on different research projects contributing towards knowledge addition and research advancement in Mody University.



• E-YANTRA ROBOTICS LAB AWARENESS

In order to encourage students towards participative projects in area of robotics, students were given awareness in programming and running following programs on robotic kits during 18 - 22 Nov 2019, in "Embedded Systems & Robotic Lab" at School of Engineering and Technology, Mody University.

- Buzzer Programming
- Motion Control
- Velocity control of DC Motor using PWM
- LCD Interfacing
- Display path obstruction distance on LCD display
- White Line Following

The robotics and automation field is an interdisciplinary area of engineering and is helpful in conduct of student projects and further research. Students from various engineering departments were encouraged towards participative projects in area of robotics.

Faculty: Dr. Nitin Johri (ME), Dr. Anil Saroliya (CSE), Dr. Gaurav Dhiman (ECE)



12. CENTRE FOR INNOVATION, INCUBATION AND ENTREPRENEURSHIP (CIIE)

OBJECTIVE OF THE CIIE: To create a center of excellence to provide technical services, training to innovate, design and market products in diversified areas of Science and Technology for the growth and development of the society at large.

CIIE will help the students to grow positive attitude towards entrepreneurship and help them foster a start-up individually.

- Promote and facilitate knowledge creation, innovation and entrepreneurship activities
- Promote innovation by creating an ecosystem that is conducive for the growth of startups in the state.
- Nurture entrepreneurship in those people who have a passion for knowledge generation and mentoring.
- Make entrepreneurially-driven communication initiatives recognized as vital for supporting the sustainability of indigenous enterprises.

Hence responsibility of CIIE is bestowed upon following energetic members by including them as a part of CIIE at Mody University:

1. **Dr Prashant Siddhey** (Associate Professor, SET)- **Overall University Coordinator**
2. Mr P K Bishnoi (Assistant Professor, SET)- Coordinator- SET
3. Mr Sumit Kulshreshtha (Assistant Professor, SOB)- Coordinator- SOB
4. Dr G S Malhotra (Assistant professor- SLAS)- Coordinator- SLAS
5. Dr Aseem Paliwal (Associate Professor, SOL)- Coordinator- SOL
6. Mr Deepak Khandelwal, (Assistant Professor, SOD)- Coordinator SOD
7. Ar Mahesh (Assistant Professor, SOA)- Coordinator SOA
8. Mr Sudhanshu Sinha (GMCDC)- Liaison officer with Industry
9. Mr Subodh Kaushik (Advisor)- Liaison officer with Funding Agencies

Following activities have been performed under CIIE so far:

- **ENTREPRENEURSHIP AWARENESS CAMP (EAC)**

(In association with EDI, Ahmadabad under DST-NIMAT Project, Govt. of India)

School of Engineering and Technology, Mody University, Lakshmanagarh, Sikar (Raj.) has organized three days Entrepreneurship Awareness Camp in association with EDI, Ahmadabad under DST-NIMAT Project, Govt. of India at its Sangeet Samarat Tansen Sabhagarh in the Mody University Campus during Nov 11-13, 2019. The Seminar began with the auspicious ceremony of lighting of the lamp followed by Kulgeet in the presence of distinguished guests, Dr. V K Jain, Dean, School of Engineering and Technology Mody University and other University officials.

Total 85 students have attended participated in the program and seven resource persons from industry, academics and corporate has delivered the talk. During these three days program, one event Ideathon was also organized wherein seven teams participated and shared their ideas and three teams were selected and awarded with the Cash prize, certificate and memento.

On the first day, on Nov 11, 2019, setting the tone of the deliberations, Dr. V K Jain, Dean, School of Engineering and Technology, Mody University delivered the inaugural address/welcome address and also spoken on background of the event. Dr.Subodh Kaushik, Advisor, MUST Advisor Mody University and Mr Varun Gupta **CEO & MD, JSR Technologies Ltd** have delivered the talk on Mind-set / Experiences of Entrepreneurs/ Identification of Opportunities for Entrepreneurs.

In the next session at 12:00 PM. Mr Subodh Kaushik Advisor MUST delivered his talk and discussed about the different type of funding for the startup from government, non-government and semi government organisations in India. Evening session; 2:30 to 4:30 PM; CEO JSR Technologies Mohali Mr. Varun Gupta delivered his talk. Mr. Varun Gupta has shared his experiences of successful and non-successful startups by JSR Technologies in area of IT, Marketing etc.

Next day on 12th November 2019; Awareness camp was started with the lecture of Chartered Accountant Mr Subhash Chandra Mishra. Mr Subhash Chandra Mishra guided students about the taxes, registration of industries and new schemes and policies of Government of India for startup. After the talk of 2 hours Subhash Chandra Mishra the talk of Dr. N. K Bishnoi Professor and Chairman Economics department Guru Jambheshwar University Hisar was started. Dr N K Bishnoi discussed about the different types of funding for students and faculties by academic bodies like ok AICTE, UGC and many other government organisations.

On 12th November 2019 in evening session 2:30 to 4:30, Dr. Manoj Sharma Bureau Chief, Trinetra TV came to Mody University to attend awareness camp and share his experience of starting, managing many different startups in his life and how to learn by failure and how to handle the failure.

At 4:30 p.m. on 12 November 2019 seven teams presented his business proposal /plan and in the event of ideathon. Dr Manoj Sharma, Dr Sudhir Kumar, Mr P.K. Bishnoi and Mr MukulPaliwal were available in the Ideathon to judge the business plans. Finally three teams were selected. Ms. Anchal and Apoorva presented a proposal on “youserv”, this team got selected for the for the first price. Ms. Sakshi and Ms. Barkha presented a proposal on “Plastic Bags” and got selected for the second price. Team of Ms. Tanvi and Ms. Rashmi for the business proposal of cleaning got selected for III price.

Finally the two days of EAC completed at the SET, but this was the program of three days, third day 13th November 2019 was scheduled for the industrial visit as per the norm and structure of DST EDI. CEERI Pilani a laboratory of CSIR India was selected for industrial visit, next day 13th November 2019. Students went for the visit of CEERI pilani and visited research Labs, workshops, microwave Labs and gallery of different equipment’s designed and developed by CEERI Pilani. Overall all the students were happy and agreed that they were benefited a lot by learning about the start-up. Finally; all the seven teams are ready to go for start-ups and in the continuous touch with the faculty mentors for valuable guidance.





- **ISSUES, CHALLENGES AND MITIGATION ON ENTREPRENEURSHIP DEVELOPMENT IN INDIA**

Two Weeks Faculty Development Program
Organized by
School of Engineering and Technology
Sponsored by
Entrepreneurship Development Institute of India
DST-NIMAT Project, Government of India
(March 2-14, 2020)

National Implementing and Monitoring Agency for Training (NIMAT) under the aegis of National Science & Technology Entrepreneurship Development Board, Department of Science & Technology, Government of India is promoting and strengthening Science & Technology entrepreneurship through its various flagship programmes on pan India basis such as Entrepreneurship Awareness Camp, Entrepreneurship Development Programme / Women Entrepreneurship Development Programme, Technology based Entrepreneurship Development Programme, Faculty Development Programme.

School of Engineering and Technology, Mody University took this opportunity to develop entrepreneurial zest among faculty members of the Institutions of repute, Host University and its constituent institutes, so that the participant would be able to mentor future entrepreneur to conceive, establish and run a business as scholarly ones.

Mody University Science and Technology organized Two-weeks faculty development program on entrepreneurship sponsored by DST_NIMAT project from 2nd of march to 14th of march 2020 on The theme Issues, Challenges and Mitigation on Entrepreneurship Development in India. Total 36 faculty members from 12 Institutions of repute including constituent institutes of the host university participated in FDP. To provide value inputs 16 Resource persons were called from all various parts of India. From Kolkata to Kota; Gurgaon to Mumbai; from academia to Industry; from Young entrepreneur to Experienced; From public to private sector.

The participants were exposed to traditional as well as contemporary agendas of entrepreneurship in these two weeks. The FDP was started on 2nd of March 2020 at 10:00a.m., Total 36 delegates registered themselves for the Programme. The chief guest and guest of honor of the inaugural ceremony started the FDP, by setting alight the Lamp and Saraswati Vandana. Further, Akal Geet of the University was played.

Prof. V. K. Jain, Dean Academics, MUST welcome all the delegates on behalf of MUST and gave opening remarks. He acquainted participants with the underlying motives to conduct the FDP on the theme Issues, Challenges and Mitigation on Entrepreneurship Development in India. Mr. Subodh Kaushik, Advisor, MUST make everyone aware of the Mody University and also told how Mody University is different from other universities.



The guest of honor Mr. Ajay Agrawal, CEO, 3P Associates, Kolkata, briefly commented on the need of entrepreneurship education.

The chief guest of the inaugural ceremony was Prof. H.D. Charan, Vice Chancellor, Bikaner Technical University. Prof. Charan emphasized on importance of sustainable entrepreneurship through the concept of Learn, Earn and Return. He initiated the discussion by remembering the Indian Values and Ethos, evolution of Indians' entrepreneurial tradition over the period of time, responsibility of entrepreneurs towards the society, nation, environment and all living beings at large. Dr. S.Y Kumar, Chief Coordinator of the programme, proposed the vote of thanks.



On day 2, Mr. Tara Chand Parihar, Chief Lead District Manager, Punjab National Bank, Sikar, made aware the participants about Various

Mr. Ajay Agrawal, CEO, 3P Associates, Kolkata was the resource person of the day 1, focused on Historical Background – Indian Values and Present Scenario, Entrepreneurial Values and attitudes, Creativity, Innovation and Idea Generation.



Schemes of Government for Entrepreneurship and Procedures to get license with reference to PNB.



Consecutively, Mr. Arihant Jain, CEO, Aatal Incubation Centre, JKLU, told about the establishment and functioning of incubation centre. He covered the topics like Types of Incubators, Scope in India, Mission and Vision for Incubators, Values required for incubator etc.

Dr. Rakesh Jain Prakhar, Corporate Trainer who came from Indore covered the topics like Why



Entrepreneurship: Entrepreneurship Concept, Why startup fails?, Idea Generation: Growth of Business Ideas, Intellectual Property, Project Identification and Selection, Learn Entrepreneurship from PADMAN, Financial Plan: Assessing financial needs, Structuring finance, Sources of finance, Debt-Equity financing alternatives.

He talked about opinion poll, unleash hidden potential, dream, smart goals. Goals should be specific, measurable, attainable, relevant and time bound. Self appraisal for entrepreneur and usual startup mistakes were also discussed by Dr. Rakesh

Jain.



Prof.(Dr.) Uma Bharadwaj, Dean, SLAS, MUST, made participant to write and understand various measures to write a research and development proposal.

Mr. M. L. Meena, DM, NABARD, Sikar, Rajasthan made aware the participants with the various Government initiatives on Startups and Its Various Aspects and Role of Financial Institution for Start-ups.





Advocate Vikas Aswat, Kota, was invited to provide information on various aspects of Intellectual Property Rights.

Mr. Raghav Totla, Young Entrepreneur, TeleLink form Jaipur shared his journey and experience with the participant in the last session of Day 3.



Prof.(Dr.) T. Prasad from NITIE, Mumbai covered the topics like Entrepreneurship Education - What and How ?, Mahab Mandi - Field Selling Experience, AICTE Student Startup Policy, and Student Startups - Designing and Implementing on Day 4.

He taught the participants in his own and unique ways by various slogans like “Jai Bolo Swatantra Bharat ki, Jai Bolo Swatantra Shiksha ki”, “Becho Seekho Beecho, Beech Beech ke Seekho”, “Padhai ka Kharcha, Padhai ke liye, Padhai se Nikaalo” etc.



Day's last session chaired by Mr. Vigyan Gagodia, CEO, Sahaj Group, Sikar, Rajasthan to share his entrepreneurial journey (Charcha at Mody University).



Dr. M.S. Pahwa from Manipal University, Jaipur, covered the topics Project Appraisal along with the economic and environmental feasibility, Assessing Financial needs, Debt equity and alternative financing needs for Venture Capitals on March 6, 2020.

On Day 6, CA Ritul Patwa started the session on the topic Mode of Starting a New Business, Taxation and Tax planning.



Dr. R. R. Singh, Director General WASME, Director (Training) NIESBUD, emphasized on How to identify and select potential Entrepreneurs, Tool techniques, Issues in designing a successful EDP Motivating Self and Others, Achievement Motivation, Understanding and managing risk taking behavior, Goal setting, resource mobilization seeking help /support, Achievement planning for success, Sensing business opportunities, and achievement planning for success.

On the day 7 and 8, assignments and case studies were given to the participants and

projects were discussed.



Dr. Lalit Kumar Sharma, Professor, Jaipuria Institute, Gaziabad took Entrepreneurial competency test for understanding and analysing level of competencies of potential entrepreneurs and covered the topics like Preparing business plan for new venture creation and start-ups, Analysis of shortlisting criteria by funding agencies and Various aspects of Import-Export.



CA Gaurav Agrawal talked about Compliance and Licensing Aspects, Corporate Laws and Regulatory Acts and how to write project proposals.

Prof.(Dr.) V. K. Jain analyzed the assignments and given his inputs. He took entrepreneurial competency test to check the effectiveness of the FDP Programme. Further, a case study was given to the participants to develop decision making skills.



On second last day of the FDP, Participants visited Rajasthan Electronics & Instruments Limited, Jaipur and observed various cycles of manufacturing.



In the last day Prof.(Dr.)S. B. Sareen visited incubation center and various research and development labs of the university. He also looked at various projects developed by faculty members and students of the university.



In the valedictory session Chief Guest of the occasion Prof. S.B Sareen, Project Director and Member Secretary, DST_NIMAT Project encouraged participants to serve the Nation by developing entrepreneurial zest among their students.



Mr. SubodhKaushik, Advisor, MUST made everyone aware of various innovation and incubation facilities of Mody University and assured that Mody University will do its best to serve the nation in future also.



Prof. V. K. Jain, Dean Academics, MUST gave closing remarks. He acquainted participants with the underlying motives to conduct the FDP on the theme Issues, Challenges and Mitigation on Entrepreneurship Development in India. Further, he summarized the day to day activity of the FDP. Certificates were conferred to all the participants. Dr. S.Y Kumar, Coordinator of the programme, proposed the vote of thanks. Participants felt delighted to be a part of such an informative and enriched learning programme.



मोदी यूनिवर्सिटी में कार्यशाला का आयोजन

लक्ष्मणगढ़ (का.सं.)। मोदी यूनिवर्सिटी के द्वारा लक्ष्मणगढ़ में यूनिवर्सिटी ऑफ साइंस एंड टेक्नोलॉजी के वित्त विभाग में वर्तमान व्यापार अर्थव्यवस्था व कर कानून के विषय पर एक दिवसीय कार्यशाला आयोजित हुई। इसमें सीए गौरव अग्रवाल ने वर्तमान व्यवसाय संबंधित परिवर्तन को बेहद रोचक तरीके से पेश किया। शेखावाटी के प्रबंधन संकाय के तमाम प्रोफेसरस मौजूद थे। डीन एकेडमिक्स डॉ वीके जैन ने स्मृति चिन्ह देकर सीए गौरव को सम्मानित किया। यह सेमिनार फैकल्टी नॉलेज इनरीचमेंट प्रोग्राम के तहत प्रोफेसरस का ज्ञान वर्धन करने के लिए कार्यशाला का आयोजन मोदी



यूनिवर्सिटी के द्वारा लक्ष्मणगढ़ में करवाया गया था। मेजबान विश्वविद्यालय सहित 12 संस्थानों के कुल 36 शिक्षकों ने कार्यशाला में भाग लिया। इस आयोजन में निदेशक

वेणुगोपाला राव, सलाहकार सुबोध कौशिक और अन्य संकाय के डीन उपस्थित थे। वर्कशॉप के समापन पर कार्यक्रम समन्वयक डॉ प्रशांत सिद्धि ने धन्यवाद ज्ञापित किया।

मोदी यूनिवर्सिटी में कार्यशाला

सीकर. मोदी यूनिवर्सिटी ऑफ साइंस एंड टेक्नोलॉजी के वित्त विभाग में वर्तमान व्यापार अर्थव्यवस्था व कर कानून के विषय पर एक दिवसीय कार्यशाला हुई। कार्यशाला में शेखावाटी के प्रबंधन संकाय के प्रोफेसरस मौजूद थे। डीन एकेडमिक्स डॉ वीके जैन ने स्मृति चिन्ह देकर सीए गौरव को सम्मानित किया। आयोजन में निदेशक प्रोफेसर वेणुगोपाला राव, सलाहकार सुबोध कौशिक और अन्य संकाय के डीन मौजूद रहे। कार्यक्रम के समन्वयक डॉ प्रशांत सिद्धि ने आभार जताया।



Sun, 15 March 2020
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मोदी यूनिवर्सिटी में प्रोफेसर का ज्ञानवर्धन करने के लिए कार्यशाला का आयोजन

आस-पास ब्यूरो...
सीकर

मोदी यूनिवर्सिटी ऑफ साइंस एंड टेक्नोलॉजी के वित्त विभाग में वर्तमान व्यापार अर्थव्यवस्था व कर कानून के विषय पर एक दिवसीय कार्यशाला आयोजित हुई। जिसमें सीए गौरव अग्रवाल ने वर्तमान व्यवसाय संबंधित परिवर्तन को बेहद रोचक तरीके से पेश किया। जिसमें शेखावाटी के प्रबंधन संकाय के तमाम प्रोफेसरस मौजूद थे। डीन एकेडमिक्स डॉ वीके जैन ने स्मृति चिन्ह देकर सीए गौरव को सम्मानित किया। यह सेमीनार फैकल्टी नॉलेज इनरीचमेंट प्रोग्राम के तहत प्रोफेसरस का ज्ञान वर्धन करने के लिए कार्यशाला का आयोजन मोदी यूनिवर्सिटी के द्वारा लक्ष्मणगढ़ में करवाया गया था। मेजबान विश्वविद्यालय सहित 12 संस्थानों के कुल 36 शिक्षकों ने कार्यशाला में भाग लिया। इस आयोजन में निदेशक प्रोफेसर वेणुगोपाला राव, सलाहकार श्री सुबोध कौशिक और अन्य संकाय के डीन उपस्थित थे। वर्कशॉप के समापन पर कार्यक्रम के समन्वयक डॉ प्रशांत सिद्धि ने धन्यवाद ज्ञापित किया।

13. INTERNAL FACULTY DEVELOPMENT PROGRAM

Internal Faculty Development Program (IFDP) has originated from the belief of Dr. V. K. Jain, Dean, SET that the knowledge and experience of faculty members of SET should be shared with each other. The intent is to enhance the interdisciplinary knowledge of faculty members by sharing the information regarding the methodology adopted for effective teaching and learning. Faculty Development Programs (FDPs) have proven to be successful for improving teaching skills in higher education. It tackled why FDP is important, history of FDP in the past years, and questioned whether FDP produced any positive effect on students' academic achievement as well as the different methods to assess FDPs effectiveness.

The schedule of events in **IFDP** held in academic year 2019-20 is as follows:

S.No.	Name	Topic	Date
1.	Mr. Nitesh Kumar Singh	Blood Group & Rh Facto	August 03, 2019
2.	Dr. V. K. Jain	Spirituality at Workplace	August 06, 2019
3.	Mr. Adithya Nair A	Indian Nuclear Weapons Program –An overview	August 10, 2019
4.	Mr. Rajesh Yadav	PHOTOGRAPHY (Basics of DSLR)	August 17, 2019
5.	Dr. Sanjeev Jakhar	Solar Power: A Promising Solution of Renewable Energy	August 23, 2019
6.	Ms. Sonal Shukla	Overview of Digital Forensics	August 31, 2019
7.	Dr. Manish Kumar	Jaya-FLANN Adaptive Filter for Noise Elimination from Medical Images	September 07, 2019
8.	Dr. Rajeev Porush, Dr. Anil Sarolia, Dr. Atul Kumar, Mr. Vikrant Sharma	Question Paper Setting Based on Bloom's Taxonomy	October 12, 2019
9.	Dr. Sudatta Ray	Particle accelerator and their uses	October 19, 2019
10.	Dr. Sunil Kumar Jangir	Git and Github	November 02, 2019
11.	Dr. Dinkar Verma	The just-World Fallacy, Free Will and Physics	November 09, 2019
12.	Dr. Jayanta Mondal	Securing Sensitive Data Using Reversible Data Hiding	November 16, 2019
13.	Dr. A S Rao	Joy of Teaching	December 07, 2019
14.	Mr. P K Bishnoi	Smart Laboratory	January 04, 2020
15.	Dr. Devi Lal Punia	Energy Efficient and Specific Purpose Electrical Machines	January 11, 2020
16.	Dr. Praneet Saurabh	Immunity Inspired Computer Security	February 01, 2020

17.	Ms. Jyoti Jangra	Dialysis	February 08, 2020
18.	Dr. Subrata Jana	Nuclear Fission and Fusion Reactors	February 29, 2020

STAFF DEVELOPMENT PROGRAM

Staff Development Program (SDP) has originated from the belief of Dr. V. K. Jain, Dean, SET that the knowledge and experience of Staff members of SET should be shared with each other. The intent is to enhance the interdisciplinary knowledge of staff members by sharing the knowledge for effective practicing.

The schedule of events in **SDP** held in academic year 2019-20 is as follows:

S.No.	Name	Topic	Date
1.	Dr. Manoj Khinchi	How to become Healthy and fit	August 31, 2019

14. INTERNATIONAL CONFERENCE ON EMERGING TRENDS IN COMMUNICATION, CONTROL AND COMPUTING (ICONC3-2020)

The two day conference entitled “*International Conference on Emerging Trends in Communication, Control and Computing (ICONC3-2020)*” was held during 21-22 February, 2020 at SET, Mody University of Science and Technology, Lakshmangarh, Sikar, Rajasthan.

The inaugural function of the conference was held on 21/02/20, commenced with the opening remarks of our Respected Chairman of the conference Prof. V. K. Jain, Dean-Academics, Mody University under the blissful presence of distinguished chief guest Prof. K. K. Aggarwal, Chairman-NBA, Guest of Honor- Prof. A. K. Nayak- President-CSI, and Professor Narendra S. Chaudhary, Vice Chancellor, Uttarakhand Technical University, Dehradun, Professor Kamesh Namudri, University of North Texas-Denton, USA, Prof. Girish Kumar, IIT Bombay, Prof. Ramzi A. Haraty, American Lebanese University, Lebanon and Mr. Rajib Bose from IBM.





The Chief Guest Prof. K. K. Agarwal, Guest of Honor Prof. A. K. Nayak and Prof. N. S. Chaudhary has also enlightened the august gathering with their words of wisdom. The souvenir of the conference was also released in the inaugural function.





In the subsequent session of keynote addresses, Prof. Girish Kumar , shared his words of wisdom on the topic “**Cell Phone/Tower Radiation Hazards And Solutions**”, Prof Kamesh Namudri delivered his thought provoking talk on “**Safe and Trusted Unmanned Air Transportation**”, Our Industry expert, Mr. Rajib Bose from IBM has delivered his extensive talk on “**Computing 2**”.





After the lunch, Parallel technical sessions of conference and convention encompassing various competitions viz Mody University Young Teacher Award-2020, Best Ph.D. Thesis competition, Best M. Tech. Thesis competition, Best Alumni Research Paper Award, Best Research Paper Award in each track, IOT Workshop, Hardware Model Presentation, Software Presentation, Coding Competition, Poster Presentation, Student Paper Presentation, Web Designing Contest and Application Development Contest were started. We have received more than 150 full length papers in this conference. All the submissions were underwent the peer-review process which comprised expert reviewers. The entire process, which includes the submissions, review and acceptance processes were done electronically. Total 75 papers were registered and selected for presentation in to the various conference tracks.





The second day (22 February, 2020) of the conference was begun with the keynote addresses of Prof. Ramzi A. Haraty, from American Lebanese University, Beirut, Lebanon, who has delivered his vibrant talk on **“Information Warfare: Towards Efficient Information Reconciliation in E-Healthcare Systems”**. The next keynote speech was addressed on **“Imaging, Communication and Energy Technologies”** by eminent academia Prof. Sandeep Sancheti, Vice-Chancellor, SRM Institute of Science and Technology, Chennai. The third keynote speech was delivered by Prof. D. K. Chaturvedi, Dayalbagh Educational Institute, Agra on the much sought after topic entitled **“Seven Ages of Substances and what is Next”**. The last keynote speech was delivered by our distinguished expert from the industry Mr. Saurav Shekhar from IBM on the contemporary topic entitled **“To & for future businesses – Networking & Computing”**.





Afterwards, the brainstorming session of panel discussion was begun, Dr. Mahesh Bundele, Principal and Director, Purnima College of Engineering, Jaipur, Dr. Mukul Verma from IET, Prof. Kamesh Namudri of UNT, USA, Mr. Pradeep Rathi, VP- CSI, Dr. Rohit Bhakar, MNIT Jaipur, Professor Vijay Janyani, MNIT Jaipur and Dr. A. Senthil of Mody University deliberated on the theme “**Smart Technologies for Future Advancements**” which ignites young scientists and engineers. The discussion was followed by the question and answer session.



The results and discussions have been very fruitful to the entire fraternity of academia. After a two-day rigorous schedule and enthusiastic participation in brainstorming, the conference reached its last and final session which we had celebrated as a valedictory ceremony. In the valedictory session, all the winners have received prizes, mementos, and certificates.





The conference is financially sponsored by CSIR, IBM, IET, IETE, CSI and SGB Infra Ltd. It is technically sponsored by IEEE. Because of their cooperation and external support, we have realized the significant outcomes of the conference.



15. OTHER EVENTS

15.1 ORIENTATION PROGRAM – 2019

Mody University of Science and Technology organized orientation program for the first year students on July 24, 2019 in Swami Haridas Sabhagar. The event commenced with the auspicious ceremony of lightening of the lamp, performed by the honorable guests including Dr. Shankar Goenka, Chief Architect & Managing Director, Author, coach & TedX Speaker, Wow Factor, Haryana; Dr. Anneette Martins, Edu Profile, South Africa; Mr. Pravin Rajpal, Founder & CEO, InnovationNext, Gurgaon, Ms. Anuka Kumar, IBM, Dr. V K Jain, Dean SET, Dr. Venu Gopala Rao, Director Academics, and Mr. Subodh Kaushik, Advisor, Mody University of Science and Technology.

Followed by Saraswati Vandana and University Theme Song, the program began with the Inaugural and Welcome Address by *Dr. Venu Gopala Rao*, Director Academics, Mody University of Science and Technology. Dr. Rao advised the students to retain the spark in the minds and actions to ignite the University and world at large. Setting the tone through his inspiring speech, he advocated fueling ones spark with appropriate energy to live a balanced and holistic life.

Addressing the students, *Mr. Praveen Rajpal*, Founder InnovatioNext Global consulting firm and World Innovation Network Pvt Ltd. said, “The most important thing is to stay connected with the purpose”. He advised students, “find your passion, find the purpose and be on it to accomplish it. This is the right time to introspect and think about yourself and explore your own aura & the opportunity before you. No one is perfect and utilize the time in making yourself better day by day”. He advised students to “learn a lot, earn as much you want and then finally return back to society”.

Dr. Anneette Martins, Edu Profile, South Africa informed students the importance of attitude. She said, “Attitude is very important trait in a person as a personality. Attitude is important than knowledge and hard work. Attitude is everything”.

Addressing the audience, *Dr. Shankar Goenka*, Chief Architect & Managing Director, Author, Coach & TedX Speaker, Wow Factor, Haryana said, “Education system is no longer going to be the same as it used to be earlier. Technology is changing and so should we. Efforts need to be made to tap the energy with new strategy, new planning and new ideas”. He informed that disruption is the solution. He said, “Disruption will give birth to new world and we all have to be ready for it”.

Ms. Anuka Kumar from IBM addressed the audience and spoke about the recent trends in Engineering and the importance of women in this area. She emphasized on industry oriented learning and explained how students can be benefitted.

Informing about the exclusive induction cum orientation programs created for the new students, *Dr. Venu Gopala Rao*, Director Academics informed, “In addition to today’s program, we have devised a week long Induction program for our students to induct them on academic curriculum, campus traditions and help them become part of this fabulous students’ community. The objective is to provide a welcoming and inclusive atmosphere, connecting students to the university resources, faculty, staff and current student leaders. Our teams are committed to ensure that all

new students not only have an outstanding orientation experience, but also get acquainted with institutional expectations and values”.

The event concluded on a scintillating note with cultural performances including dance, mimicry and singing by the new students.







15.2 INDUCTION PROGRAM-2019

School of Engineering and Technology (SET) organized five days induction program for the newly admitted students in the Institution. On all the days of induction programs, the schedule began with 45 minutes of yoga session (6:30 am to 7:15 am) and ended with one & half hour sports activities (6:30 pm to 8:00 pm) conducted by respective mentors and coordinators. In this program, all the necessary information of SET and related Societies, Clubs, Student Chapters, Committees, etc. provided to the new students. Students were not only briefed about teaching and learning process of SET but also motivated through various motivational lectures, industry experts talks and spiritual sessions. Day wise summary of all the activities is as follows:

Day1: 25th July 2019 (Thursday) The first day of the induction program started with the motivational speech by Dr. V. K. Jain, Dean-SET on 25.7.2019 at Sangeet Samrat Tansen Sabhaghar from 9:30 AM – 1:30 PM. Dr. Jain spoke on “Mantras to Achieve Success”. The speech

was very interactive, and the students were motivated through interesting videos. After the speech, the briefing of all the departments was done by the respective HOD's.



- Mr. Vikrant Sharma - First year Coordinator, has given all the details related to time-table, class rooms, examination structure etc., in his talk.
- Mr. Suneet Gupta, Coordinator-Students Affairs spoke on Students Mentoring and Guidance. Mr. Gupta also discussed about various Clubs and Societies of School of Engineering and Technology. The last presentation before lunch was given by Dr. Vinod Maan, Associate Professor-CSE Dept., and Chief Warden-SET. She discussed about the Hostel facilities and the decorum which is desired to be maintained in the Hostels. After the lunch there was a presentation of ANAHTA Society mentor Ms. Aditi Kajala, Assistant Professor-CSE Dept. She introduced about the Society and its various sub-societies such as Dance, Drama, Music and Fashion, in short "Entertainment-Entertainment-Entertainment!". She also introduced all the office bearers of ANAHTA society. There were also many cultural performances exhibited by senior students of SET. All the first-year students enjoyed the performance and even participated too to become the active member of this society.



Day2: 26 th July 2019 (Friday) The second day program started with a welcome note to faculties, students and Mr. Tarun Sharma, Corporate Trainer. Mr. Tarun Sharma, Founder President (The Rising, Tamso Maa Jyotirgamy) since 2007, is a Professional Motivational Keynote Speaker, Life Counsellor & Leadership Coach. He started the event with a motivational speech on "Train your Brain", to be happy in every situation and laugh in difficult situations which generate endorphin hormone which generate ease and happy feeling. By handling situations with laughter, you train your brain to perform better. After that, Mr. Sharma conducted a team building activity to break ice among first year students. He made six teams of students and asked

them to make a collage based on respective theme out of waste newspaper. He concluded, the activity with explaining the relation between collage and theme. He also conducted an outdoor activity at Bharat Muni Munch which includes the participation of all the new students. Students enjoyed a lot in this activity. He motivated the students with and shows various tricks to control the mind in any situation of life.



Day3: 27th July 2019 (Saturday) The third day session was started by the presentation on “Human Values” by Prof. N. K. Joshi. In his presentation, he defined the various parameters of human values through which different attribute can be generated in the human. He explained various types of human values like truth, right conduct, love, peace and non-violence to the students. All the characteristics of human values should be inculcated in the human generation so that they can become a good human being. He compared all these human values by Mody University’s KULGEET. He explained each human value with suitable stories to the students. He concluded his presentation by Sanskrit shloka. After Prof. Joshi’s lecture, an expert talk was conducted by industry person “Ms. Khusboo Datwani” from IBM. In her presentation, she explained the technical aspects of all the engineering branches specially CSE. She introduced the students about the tie-up of IBM with Mody University since last five years. She motivated the students by giving a mantra “Set short term goal” for successful life. She explained the use of Artificial Intelligence (AI), Internet of Things (IoT), Machine Learning (ML) and Cloud Computing in real life condition. She also explained about the security intelligence for computer networks.



Subsequently, Ms. Asha Acharya, CDC Trainer has also given the inspirational talk and performed some team building activities for new students. She discussed the students that how can we set goals in our life and what efforts are required to achieve them.



After the lunch an introductory presentation of Karuna Club was given by Coordinator, Dr. Purnima Sharma. Mission, Vision and outcomes of Karuna Club were described. A description of Karuna Club activities such as cloth distribution, blood donation camp, fund raising events etc. was presented. Existing club members shared their experiences of working in the club. A recruitment process was carried out by senior students and a good number of first year students came forward to be a part of this club.



Day4: 29 th July 2019 (Monday) The fourth day session was started by Mr. Hitesh Jangir, Assistant Professor, Department of CSE. He introduced the students about latest and demanding interdisciplinary technology “Internet of Things (IoT)”. How IoT is helpful for society in many fields i.e. Agriculture, Transportation, Shopping, Infrastructure Development, Defense, Medical Science, etc. This lecture was very informative and beneficial for the audience. Afterwards, an expert talk was conducted by industry person “Ms. Shefaly Dutta” from IBM. In her presentation, she explained the history of IBM growth and introduced areas on which IBM is currently functioning. Students got familiar about the recent trends in Artificial Intelligence (AI), Machine Learning (ML), IoT and BigData in this session. She also explained the students about the importance of these specialization courses and related certification which will be helpful for them in their career. She concluded the session after discussing some case studies with students. The winners of case-study were awarded Bluetooth Speakers from IBM.

After that Dr. Jeetu Sharma, Assistant professor, Department of ECE, brief about IEEE student chapter to the new students and introduced the office bearers of IEEE student chapter. She also made familiar the students about the IEEE related activities which happened in last sessions. She explained the process of membership for new registrations and exhibited the upcoming activities of IEEE in year 2019-2020. Similarly, the presentation of ACM, CSI and IETE students’ chapters were also presented by respective coordinators of SET. ACM Chapter presentation was given by Mr. P. K. Bishnoi, Assistant Professor-Dept. of CSE, CSI presentation was given by Dr. Anand Sharma, Assistant Professor-Dept. of CSE and IETE presentation was given by Dr. Th. Paraskumar Singh, Assistant Professor-Dept. of EE.

Day fourth was concluded with the presentation of “Enginium and Picturesque” society. This presentation was given by Dr. Uma Kumari, Assistant Professor, Department of CSE. She presented all the activities of respective society and exhibited the pictures clicked by senior students.

Day5: 30th July 2019 (Tuesday) The first session on fifth Day of Induction Program was started by Prof. Sudhir Y Kumar with the introduction of Project Based Learning. He introduced the students with the five pillars of Teaching-Learning Process. He explained the philosophy of project to the students which involves six steps viz. identifying problem, analysis of problem, field study and investigation, identifying resources and research, testing solutions & presenting solutions. He explained about the need of PBL, advantages and benefits of PBL, PBL evaluation process and marking scheme in University. The presentation ended with the examples of various projects done by first year students and the government funded projects.



- Dr. Rajiv Kumar Mishra chose to explain the motivational shlokas from Geeta which were said by Lord Krishna to Arjun during the war of Kurukshetra between Kaurava's and Pandava's. He told the students that there are 700 Shlokas and 18 Chapters in Geeta. With the help of these Shlokas, he asked the students to always tell the truth and to achieve their goals by focusing on their aim only like Arjun. The students certainly enjoyed the interactive session.
- Mr. P. K. Bishnoi started his presentation by introducing the students to the need of software development. He explained that software development is the automation or computer-based solution for existing manual methods. He showed various existing softwares of University that are developed by SDC like Complaint Management, E-Pass Auditorium, Faculty Feedback System, Student Registration System, Websites for Journal and Conferences, etc. Then he introduced the 1st year students to the team of SDC. The team gave the demonstration of various developed softwares.

Mody University is the first University in Rajasthan to get accreditation by SWE. Dr. Vinod Maan started her presentation by explaining the Mission of SWE that is to have the ethical behavior in students with honesty and integrity. She explained that SWE organizes one conference per year for advanced learning process. She enlightened the roles of various office bearers and types of memberships, and how to apply for the membership. Then there was a student activity by member students to motivate the students to join the SWE student chapter.

The presentation was taken forward by Dr. Anil Saroliya, who presented on IET student chapter. He told that Mody University is a part of Delhi local chapter; local networks come under IET communities. He explained that being a member of IET adds advantage to ones' profile. Then he introduced the students with the members associated with IET and various events conducted by IET student chapter. Further a video on importance of engineering and IET was played for students. At the end, Dr. Anil Saroliya called the office bearers to share their experience in IET.



Post lunch session was handled by Dr. Vikas Raina for introducing the students a sport society of SET "ATHLON". He presented all the statistics of SET students' achievements in sports competition at national level. He also introduced the students' volunteers and finally the session was completed with some games and fun activities.



At the end of this induction program, Prof. (Dr.) V. K. Jain, Dean SET gave the concluding remarks. He wished the students for their excellent academic career in MUST. He also shared some tips to become a successful technocrat in this competitive era. At this occasion he asked few students to share their experience about all days of Induction Program and stay at University campus.



15.3 MS. GOLDA MALHOTRA EXPERT FROM NETWORK N+i INSTITUTIONS, FRANCE VISITED SET

Ms. Golda Malhotra, Coordinator, Network N+i institutions, Embassy of France in India, New Delhi had an interaction session on with SET students on 6 August, 2019. Network "N+i" is a consortium of over 50 French Grandes Ecolesd' Ingénieurs. Prof. N. K. Joshi welcomed her and requested to explain about the opportunities and avenues of post graduate studies at France with various scholarships. The interactive session was attended by around 100 students from different engineering branches and many students have shown interest to pursue their post graduate studies at France.



15.4 BHARAT MUNI MANCH INAUGURATION CEREMONY

The inaugural ceremony for the band stand named as the Bharat Muni Manch was held on the 3rd September 2019. It was an evening full of stupendous performances and the hard work was perfectly seen. The event was graced by the Honorable Chancellor Shri R.P Modi Ji along with all the dignitaries. The event started at sharp 6'o clock in the evening with lamp lighting by the dignitaries. Next, the University theme song was presented by the Mody school singing team. The school performed 4 songs which were a pure amalgamation of their hard work and talents. Up next we had a skit presented by the school based on article 370 and 35A which really updated the members about the ongoing. Their team work was amazingly proven. Up next were three solo performances by students of SOS and SOL. They dedicated their songs to the teachers and

mentors. Another performance dignified the Indian folk and was beautifully presented. The last performance was put forth by the students of SET wherein they presented a medley of songs which literally touched the hearts of the audience. With this, the Inaugural ceremony came to an end and a vote of thanks was presented to the Chancellor, dignitaries and the cheif and the sub event coordinators. The event was coordinated by Ms. SuneethaRikhari and Dr. Poonam Sharma under the supervision of Prof. Satish C Shastri, Dean-SOL. The Bharat Muni Manch is now declared open for all the students of Mody University.





15.5 AAGHAZ 2K19 (Fresher's Party)

Fresher Party is an event which every fresher eagerly awaits from admission time. Students of School of Engineering and Technology, MUST, Lakshmangarh organized a fresher party; "AAGHAZ" on the eve of 28th of September 2019. The theme for the day was "LET'S GO RETRO". The day was filled with excitement, joy, music, enthusiasm, laughter and happiness. The celebration started at sharp 16:30 hour at the Swami Haridas Sabhagar by our anchors Muskan Tandon and Priyanka (followed by Ms. Deepali, Tanisha, Ms. Muskan Gupta, Ms. Lavisha, Ms. Ankita, Ishita, Ms. Unnati and Ms. Akansha) with the warm welcome of all the dignitaries and the jury present in the function which was followed by lamp lighting and university kulgeet. This was followed by welcome speech given by **Dr. V.K. Jain, Dean, SET** and the freshers were formally welcomed into the Mody Family. The jury and other guests of honors Ms. Harleen Kaur, Ms. Mritika Sarkar, Ms. Jyoti, Dr. A. Senthil, Mr. Vikrant Sharma and Dr. Atul Kumar were also introduced.

The event started with welcome drama introducing the theme followed by a group dance. After this all the participants of this great evening came up with their unique ramp walk in pairs. There were about 40 participants in 1st round of ramp walk. All of them were very impressive and confident.

After the dance performance results were announced for 2nd round in



which 20 students got selected. They came up on the stage with their hidden talent and performed one by one. After this one song performance followed by drama took place which gave jury the sufficient time for deciding the results.



Later on the fun team lead by Ms. Anushree and Ms. Raj Lakshmi took on the stage in their funny way of attracting the audience towards them and adding cherry to the pie. Also, both the anchors went up to the audience and asked them random question which any one would answer. All of them enjoyed a lot. After this 9 of them were finally selected for the final question-answer round. And they were asked questions out of which top 5 participants made a place to win the titles. This was followed by song and dance performances by 1st Year students. After these performances Ms. Sanjoi Dubey did stand-up comedy followed by poetry. At last face-off between 1st and 2nd year ignites the energy in all the audience.

Once the results were out, it was the stage of achievement for the contestants. The winner for the title **Miss NOOR-E-JAHAN (Miss. Freshers)** was **Ms. Taneesha Mathur**. The other awards given were:

- *Ms. Anusha Agarwal – Miss. Manmohani*
- *Ms. ChiranshiSaxena – Miss. Afreen*
- *Ms. Meenal Jain – Miss. Mastani*
- *Ms. Zeba – Miss. Madhubala*



All awards were given by the jury (includes Dr. Vinod Mann, Mr. Vikrant Sharma, Dr. Atul Kumar) to the respective students, with the sachets and gifts for all the titles. The event was a great success organized by student coordinators Ms. Muskan Gupta and Ms. Tanisha Goyal. At last all the students danced together. Afterwards, the sumptuous dinner was served in the college mess itself.

15.6 RHETORICA 5.0

Rhetorica 5.0- the literary fest of School of Engineering and Technology was organized by SET on 11-13 October, 2019.

Day 1: 11 October, 2019 (2:30 PM-6:00 PM)

It started with the inaugural ceremony in the SangeetSamratTansenSabhaghar. The program included the SaraswatiVandana followed by the lightning of the lamp by the dignitaries Dr. V. K. Jain, Dean-SET, Dr. Sanjay Rai, Professor, IIT-BHU. The respected Dean-SET, Dr. V.K Jain motivated the participants with his speech. Dr. Sanjay Rai, the Guest of Honor for the event has blessed the students with his words.

Followed by the ceremony a workshop named THE SCRIBBLED STORIES was conducted. The workshop was based on creative writing, micro fiction and story writing which was taken by the co-founder OmairTarique and Ansab Amir Khan. The crowd was satisfied with the teaching and also enjoyed the three hour session to fullest. The echo of the claps after every brilliant and meaningful answer was the indication that the day was a successful one.

Alongside various informal games like laser tag, the unfair game etc were organized to entertain the students who were not the part of "The Scribbled Stories" workshop.





Day 2: 12 October, 2019 (8:45 AM- 6:00 PM)

The following day was a massive one. The MUN was the highlight of the day where students had to act formal and were meant to discuss the global issue in the roles of diplomats. It was an open event where the college had invited external participation as well. To moderate and guide the committees, the members of the executive board were also experienced outsiders. One of them was Ms. Rachita Chawla who is an alumni was one of the members of the panel.

Everyone welcomed the Ms. Pratima Ratwani -Secretary General, the faculty advisor Dr. Suneetha Rikhari and Mr. Mukul Paliwal. The function started with the opening speech by the Secretary General Ms. Pratima Ratwani. It was all dramatic with the banging of the mallet and the sounds of cheerfulness in the room. The participants were asked to complete the registration and were provided with refreshments after which the committees started. The executive board explained the rules of procedures to everyone and began the discussions. There were three committees namely- UNGA DISEC, UNHRC and LOK SABHA. To add to the day the participants were all dressed up in western formals. The committees were active till 4:30 pm in the evening.

After the committees an informal game based on The Harry Potter was organized for The Potter heads. The game included four teams and four rounds for students. After each round the teams

were eliminated and few were left to follow up. The game was a mix of jumbles spells, character names and names from the series itself. One could witness the joy in the player's eyes as everyone was excited to prove themselves as the biggest Potter head in the house. The winner was given a special gift based on the movie itself. The day ended with a bang here.





Day 3: 13 October, 2019 (9:00 AM- 7:00 PM)

This was the final day. Everyone was equally excited to move forward in the day. The delegates were eager to draft the solution, the IP team was thrilled to give out the report and the photographers were all set to click the best from the day. The committees were high on the speed and moved with fast pace. The delegates were debating and the organizing committee was practicing their duty. Post lunch the committees ended and everyone moved for the closing ceremony.

The closing ceremony welcomed the Dean of SET and the Dean of SOB as the guests, where both the dignitaries congratulated the participants and the organizing team through their speeches. Followed by this the winners from each committees was announced. The best delegate from UNGA DISEC was Russia, from UNHRC was United Kingdom and from Lok Sabha was Rahul Gandhi. Various other awards like high commendation, special mentions and verbal mentions were also announced.

The secretariat that included the Secretary General, the Deputy Secretary General Ms. Gunisha Chaturvedi and the Director General Ms. Aanavi Gupta along with the USGs and ASGs of the various teams like the delegation affair, the finance team, the design and decoration, the security, the media team and the accommodation team were felicitated by mementos as an appreciation. The executive board members were given mementos created by the team Enactus that focuses on various causes. They had built the bags all out of waste. The after movie was played with the happiest moments in this journey and the event was concluded.



15.7 FOUNDER'S DAY CELEBRATION 2020

The fourteenth annual Founder’s Day Celebrations of Mody University of Science and Technology, Lakshmanagarh, is organized from **22nd to 26th January, 2020** as per tradition. During the event - various academic, cultural and sports activities are held where students of various schools of Mody University participated with full enthusiasm. As in the past, this year also had stalwarts from varied fields to grace the occasion with their benign sense. On the first day of celebration Mrs. Jaya Row made a keynote speech on “Art of Living” and gave many success formulas to the audience.

The fourteenth Convocation of Mody University is held on 23rd January 2020. The chief guest of the ceremony was Prof. Anil D. Sahasrabudhe, Chairman, AICTE, during his convocation address Prof. Sahasrabudhe praised and talked about the combination of modern and ancient Indian education system of Mody University. In the ceremony, of 596 students were awarded their degrees from under-graduation to doctoral levels in a variety of disciplines.

University also presented awards, honoring the distinguished alumni and outstanding students and faculty members of the university. As the Convocation drew to a close, the fresh graduates flooded out of the auditorium, eager to share the joy with their family and friends.

On the third day of the celebration literary program “Kaavyanjali” was organized in which famous poet Mr. Nilotapal Mridul gave his remarkable performance, next day a very famous drama “Chanakya” by Dharamajam was presented for the audience.

During the celebration founder and chairperson of the University Sri Rajendra Prasad Mody ji's family, Chairman Shri S.S. Bhuwaniya ji, Deans of all Colleges, Principal Mody School, All GMs were present along with the invitees, media persons, students and faculty members.





15.8 UNITE FOR FIGHT AGAINST COVID-19 INTER CLUB/SOCIETY E-POSTER COMPETITION OF SET

School of Engineering and Technology, Mody University of Science and Technology has announced an Inter Club/Society e- Poster competition on the theme “**Unite for Fight against COVID-19**” on April 21, 2020. It is an Inter Society/Club Contest wherein the students along-with their faculty mentors are designing an e-Poster on the theme.

The name of participating clubs/societies of SET is as follows:

SET Student Branch Societies:

IEEE Student branch
IET Student branch
CSI Student branch
IETE Student branch
ACM Student branch

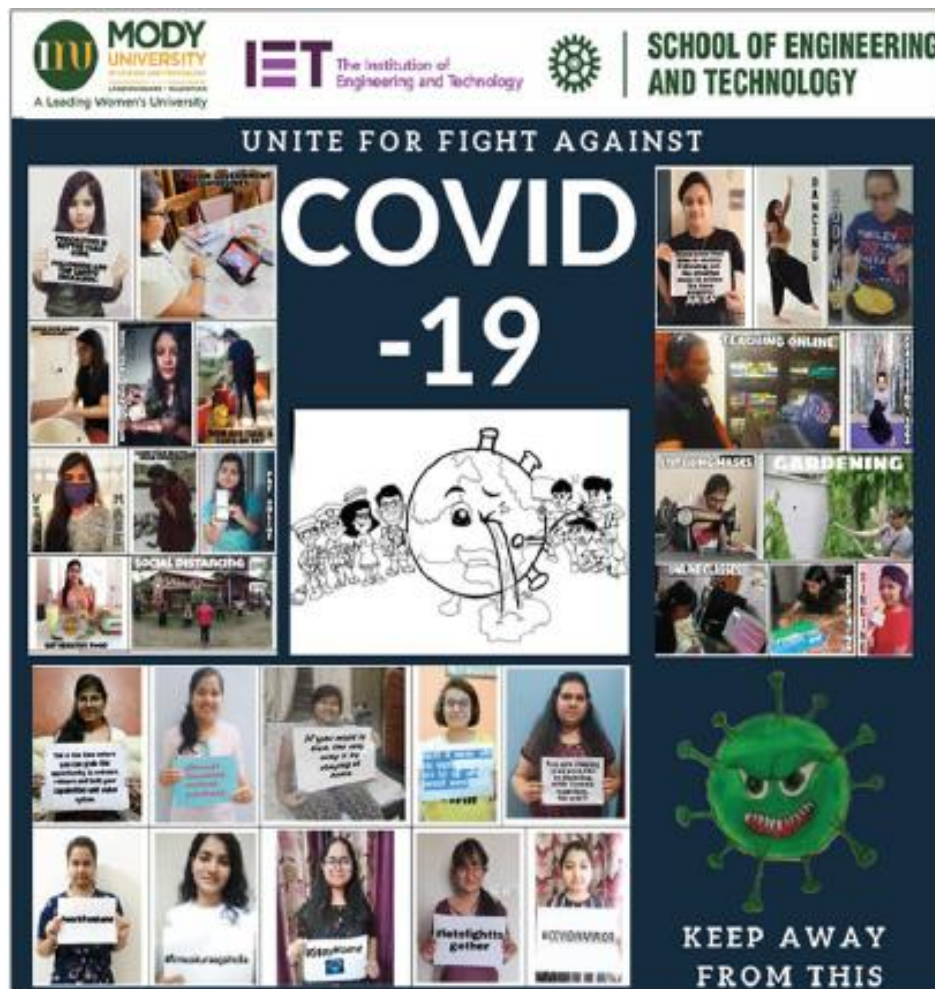
SET Clubs:

ENACTUS
Karuna
SWE
Athlon
Anahata

Unnat Bharta Abhiyan
Enginium

E-Poster based upon the theme “Unite for Fight against COVID-19” and as per the data compiled by event coordinator Dr. Jeetu Sharma, the top III posters with maximum likes over various social media platforms are:

1. **IET (Winner)**
2. **Karuna (First Runner-up)**
3. **IEEE (Second Runner-up)**



UNITE FOR FIGHT AGAINST COVID-19
Stay home save lives

WASH YOUR HANDS
Wash hands frequently with soap and water for at least 20 seconds

STAY AT HOME
Follow Social distancing Avoid close contact with people who are sick

ALWAYS WEAR A MASK
Wear a mask. Cough or sneeze in a tissue and then throw it away

STAY HEALTHY
- Relieve the stress by picking up a fun workout at home.
- Do exercise daily.
- Watch Ramayana daily with family for a healthy mindset.
- Play active video games.

THANK YOU HEROES

SOCIAL DISTANCING
10meters & 1meters & 1meters

Temples hidden, Humans forbidden
God on the ground, just one mision
TO PROTECT THE CITIZEN

SOCIAL DISTANCING

UNITE FOR FIGHT AGAINST COVID - 19

15.9 WEBINAR ON “UNIVERSITY-INDUSTRY COLLABORATION: IMPORTANCE OF SPECIALIZED UG PROGRAM WITH INDUSTRY LEADER, IBM”

A webinar on the topic, “University-Industry collaboration: Importance of specialized UG program with Industry leader, IBM” was organized jointly by Mody University and IBM India Pvt Ltd. The main objective of the webinar was to create awareness about the initiatives, which Mody University and IBM are taking to ensure that, the students have the best from Academia and Industry. The webinar was organized keeping in mind the audience comprising of registered students and their parents.

The webinar began with the address of Prof. V K. Jain Dean Academics followed by a short video of Mody University. In his address, Prof. Jain covered almost all the aspects necessary to showcase the academic environment in Mody University like ABET, Project-based learning, foreign internship, and CDC, etc.

The webinar was then handed over to IBM and Ms. Shefali Dutta of I B M gave a wonderful and informative presentation on “Emerging Trends & Technology: Supportive role of IBM”. In her presentation, Ms. Dutta emphasized the importance of learning specialized technology like AI and Deep Learning, Cloud Computing, IoT etc. To develop interest among students, she gave numerous examples of the application of the above-mentioned technologies. A hand’s on experience on Chatbot creation was given to students by Mr. Aman Bakshi to increase the confidence among students.

While the webinar was going on, students and their parents were continuously asking queries through Chatbox available in Webex. Prof. V. K. Jain and Dr. Prateek Bhanti was available and continuously handling those queries through chat box only.

There were total 95 participants registered for the webinar and 41 participants attended the webinar. Few participants missed the webinar due to internet connectivity and thus recording of the webinar was sent to them on demand.

Overall, the event was successful in promoting the collaborative efforts of Mody University and IBM, as far as academic learning and future career prospects are concerned.



WEBINAR
POST COVID-19
UNIVERSITY-INDUSTRY COLLABORATION:
IMPORTANCE OF SPECIALIZED UG PROGRAM WITH INDUSTRY LEADER, IBM



Ms. Shefaly Dutta
IBM



Mr. Aman Bakshi
IBM SME



Dr. V.K. Jain
Mody University

AGENDA

- Kick off session on "Emerging Trends & Technology: Supportive role of IBM"
- Industry 4.0 and New Revolution 5.0
- 5 min Break (short video on Mody University glimpses)
- Scope of Analytics, AI, IOT & Role of Engineers
- Hands on session about Chatbot creation using IBM Watson
- Short Address by Prof. V. K. Jain, Dean Academics-MUST
- Q & A

DATE : 04th JUNE 2020 | TIME : 11:30 AM



MODY UNIVERSITY
AN ISO 9001:2015 CERTIFIED ORGANIZATION
LAKHIMPUR SARAI, RAJASTHAN
A Leading Women's University



Link for Registration <https://forms.gle/D4amX4HSZtaxbFNf6> (200 Seats Only).

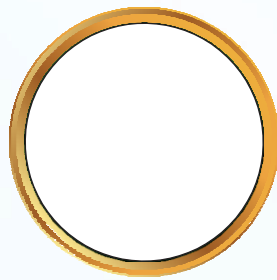
16. List of Visitors to SET

S.No	Name of Expert	Affiliation
1.	Dr. Shankar Goenka	Chief Architect & Managing Director, Author, coach & TedX Speaker, Wow Factor, Haryana
2.	Dr. Anneette Martins	Edu Profile, South Africa
3.	Mr. Pravin Rajpal	Founder & CEO, InnovationNext, Gurgaon
4.	Ms. Anuka Kumar	IBM
5.	Ms. Shefaly Dutta	IBM
6.	Ms. Golda Malhotra	Coordinator, Network N+i institutions, Embassy of France in India, New Delhi
7.	Ms. Megha Pandoh	Asst. Manager IET on Campus
8.	Dr. Dinesh Yadav	Secretary, IETE Rajasthan center
9.	Prof. Manish Tiwari	Chairman, IETE Rajasthan center and HOD, ECE at Manipal University, Jaipur
10.	Er. A. K. Garg	Director (Operations), DMRC
11.	Prof. Arun K. Pujari	Chancellor, Central University of Rajasthan
12.	Prof. Andrew Downtown	Chairman, The Institution of Engineering and Technology (IET- UK) Advisory Committee
13.	Dr. Sravanthi Sashikumar	Member, The Institution of Engineering and Technology (IET- UK) Advisory Committee
14.	Dr. Ajay Agarwal	Senior Principal Scientist, CSIR-CEERI, Pilani
15.	Dr. Rajesh Kumar	Vice-Chairman IEEE, Rajasthan Sub-Section
16.	Dr. R. P. Tewari	Professor Department of Applied Mechanics (Biomedical Division) MNNIT Allahabad, Prayagraj
17.	Dr. S.K Rai	Associate Professor School of Biomedical Engineering, IIT-BHU Varanasi
18.	Mr. Rupesh Goyal	DUCAT Noida

19.	Mr. Sandeep Chaudhry	DUCAT Noida
20.	Mr. Varun Gupta	CEO & MD, JSR Technologies Ltd
21.	Mr. Subhash Chandra Mishra	Chartered Accountant
22.	Dr. N. K Bishnoi	Professor and Chairman Economics department Guru Jambheshwar University Hisar
23.	Dr. Manoj Sharma	Bureau Chief, Trinetra TV
24.	Dr. Sanjay Jain	Scientist 'G', National Institute Hydrology, Roorkee
25.	Dr (Col) K. C. Tiwari	Professor, Multidisciplinary Centre for Geoinformatics, Delhi Technological University, New Delhi
26.	Dr. Arun K Saraf	Professor, and Head, IIT Roorkee
27.	Dr. S. Srinivasa Rao	General Manager, Regional Remote Sensing Centre, Jodhpur
28.	. Maj Gen AK Chaturvedi	Corps of Engineers, The Bengal Sappers
29.	Prof. Anil D. Sahasrabudhe	Chairmen, AICTE
30.	Prof. K. K. Aggarwal	Chairman-National Board of Accreditation, New Delhi
31.	Prof. A. K. Nayak	President- Computer Society of India
32.	Prof. Narendra S. Chaudhary	Vice Chancellor, Uttarakhand Technical University, Dehradun
33.	Prof. Kamesh Namudri	University of North Texas-Denton, USA
34.	Prof. Girish Kumar	IIT Bombay
35.	Prof. Ramzi A. Haraty	American Lebanese University, Beirut, Lebanon
36.	Mr. Rajib Bose	IBM
37.	Prof. Sandeep Sancheti	Vice-Chancellor, SRM Institute of Science and Technology, Chennai
38.	Prof. D. K. Chaturvedi	Dayalbagh Educational Institute, Agra
39.	Mr. Saurav Shekhar	IBM

40.	Dr. Mahesh Bundele	Principal and Director, Purnima College of Engineering, Jaipur
41.	Dr. Mukul Verma	IET- India
42.	Mr. Pradeep Rathi	VP- CSI
43.	Dr. Rohit Bhakar	MNIT Jaipur
44.	Prof. Vijay Janyani	MNIT Jaipur
45.	Prof. R.K Vyas	Vice President CSI
46.	Prof. Jayant Bhide	Regional Vice President-3 CSI
47.	Dr. Mamta C. Padole	RSC3, CSI
48.	Dr. Santosh Yadav	CSI
49.	Dr. Vishal Gaur	ECB Bikaner
50.	Mr. Pawan Tanwar	ECB Bikaner
51.	Dr. Amit Sanghi	(CSI-Lakshmanagarh Chapter)
52.	Prof. H.D. Charan	Vice Chancellor, Bikaner Technical University, Rajasthan
53.	Mr. Ajay Agrawal	CEO, 3P Associates, Kolkata
54.	Mr. Tara Chand Parihar	Chief Lead District Manager, Punjab National Bank, Sikar
55.	Mr. Arihant Jain	CEO, Aatal Incubation Centre, JKLU
56.	Dr. Rakesh Jain Prakhar	Corporate Trainer, Indore
57.	Mr. M. L. Meena	DM, NABARD, Sikar, Rajasthan
58.	Adv. Vikas Aswat	IPR, Kota
59.	Mr. Raghav Totla	Young Entrepreneur, TeleLink, Jaipur
60.	Prof.(Dr.) T. Prasad	NITIE, Mumbai
61.	Mr. VigyanGagodia	CEO, Sahaj Group, Sikar, Rajasthan
62.	Dr. M.S. Pahwa	Manipal University, Jaipur
63.	Mr. Ritul Patwa	Chartered Accountant

64.	Dr. R. R. Singh	Director General WASME, Director (Training) NIESBUD
65.	Dr. Lalit Kumar Sharma	Professor, Jaipuriya Institute, Ghaziabad
66.	Mr. Gaurav Agrawal	Chartered Accountant
67.	Prof.(Dr.)S. B. Sareen	Project Director and Member Secretary, DST_NIMAT



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