MODY UNIVERSITY
OF SCIENCE AND TECHNOLOGY
LAKSHMANGARH • RAJASTHAN

A Leading Women's University

SCHOOL OF ENGINEERING AND TECHNOLOGY

ANNUAL REPORT | 2022-23

School of Engineering and Technology

ANNUAL REPORT 2022 - 2023

Prepared By:
Mr. MUKUL KANT PALIWAL

MODY UNIVERSITY OF SCIENCE AND TECHNOLOGY
LAKSHMANGARH – 332311(RAJASTHAN), INDIA

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1. ABOUT SCHOOL OF ENGINEERING AND TECHNOLOGY

1.1 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.

1.2 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

1.3 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.

1.4 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, formulate, and solve 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.

1.5 Resources

1.5.1Laboratories

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 Lab
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	Mechanics of Solid
31.	Mechanical Engineering	Fluid Mechanics and Fluid Machineries
32.	Mechanical Engineering	Thermodynamics
33.	Mechanical Engineering	Measurement and Metrology
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

1.5.2 List of faculty members

S. No.	Name	Designation	Deptt.	Qualification	Specialization
1.	Dr. Prateek Bhanti	Professor & Dean	CSE	Ph.D. M.Tech.(IT)	E-Governance, MIS,AI
2.	Dr. Vinod Maan	Professor & (HOD)	CSE	Ph.D. M.Tech.(CSE) B.E.(CSE)	Cellular Automata, Computational Epidemiology
3.	Dr. Sanjeev Patwa	A.P.	CSE	Ph.D. M.Tech.(IT)	Software Engineering, Software Testing, Social Sites
4.	Dr. Anand Sharma	A.P.	CSE	Ph.D. M.Tech.(IT) B.E.(IT)	Quantum Cryptography, Network/Information Security
5.	Dr. Vikas Raina	A.P.	CSE	Ph.D. M.Tech.	Underwater Wireless Sensor Networks
6.	Dr. Rajesh Yadav	A.P.	CSE	Ph.D. M.Tech.(IT)	Cloud Computing
7.	Dr. Somil Jain	A.P.	CSE	Ph.D. M.Tech.(CSE) B.Tech.(CSE)	Computer Networks,E-Governance
8.	Mrs. Aditi Kajala	A.P.	CSE	Ph.D.* M.Tech.(CSE)	Fault Testing in Digital Circuits, Algorithm Design
9.	Mr. P.K. Bishnoi	A.P.	CSE	Ph.D.* M.Tech.(CSE)	Web Engineering
10.	Mr. Hitesh Jangir	A.P.	CSE	M.Sc.(CSE) B.E.(IT)	Internet of Things, Cyber Security, Artificial Intelligence and Data Mining

11.	Mr. Vishal Sharma	A.P.	CSE	M.Tech. B.E.(IT)	
12.	Dr. Rajeev Pourush	Associate Prof. (HOD)	ECE	Ph.D.(Microwave Engineering)	Microwave Micro strip Planar structures &Antenna Systems
13.	Dr. Jeetu Sharma	A.P.	ECE	Ph.D. M.Tech.(VLSI and Microelectronics) B.E.(ECE)	Wireless Sensor Networks In Smart grid
14.	Dr. Joohi Garg	A.P.	ECE	Ph.D. M.Tech B.Tech	
15.	Dr. RituRaj Singh Rathore	A.P.	ECE	Ph.D. M.Tech B.Tech	
16.	Dr. Sandeep Jaiswal	A.P.	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
17.	Dr. Manish Kumar	A.P	BME	Ph.D M.Tech B.Tech	Medical Image Processing, Signal Processing, Machine Learning, Heuristic Optimization
18.	Dr. P. Shakti Prakash	A.P	BME	Ph.D.(BME) M.Tech.(Nanoscience & Technology) B.Tech BME)	Biomaterials and Tissue engineering; Nanomaterials, Coating on medical implants, Basic Pathology and Microbiology
19.	Dr. Sunita Kumari	Assistant professor (HOD)	EE	Ph.D. M.Tech.(Power System) B.E.(EE)	Non Linear Control Systems, Power Electronics &Drives, Power System

20.	Dr. Devi Lal Punia	A.P	EE	Ph.D M.Tech B.Tech	Energy
21.	Dr.Vikrant Sharma	A.P.	ME	Ph.D. M.Tech. (Manufacturing System Engineering) B.E.(Production Engineering)	IndustrialEngineering, ProductionEngineering
22.	Mr.MukulKant Paliwal	A.P.	ME	Ph.D.* M.Tech.(Machine Design) B.Tech.(ME)	Machine Design
23.	Dr. Subrata Jana	A.P	NST	Ph. D. M.E B.Tech	Nuclear Reactor, Plasma and Superconductor
24.	Dr. A. Maharshi	Associate Prof.	Mathematics	Ph. D.	Boundary Layer Theory and Numerical Analysis

1.5.3 List of Non-Teaching Staff

S.No.	Name of Employee	Designation
1.	Mr. Amit Soni	Office Assistant
2.	Mr. Sushil Pareek	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.	Mr. Vinod Saini	Supervisor-Housekeeping
10.	Mr. Bhawani Shanker Sharma	Lab Technician
11.	Mr. Pramod Kumar Saini	Lab Technician
12.	Mr. Ramesh Kumar	Workshop Machanic
13.	Mr. B.L.Meel	Workshop Machanic
14.	Mr. Bharat Singh Shekhawat	Lab Technician
15.	Mr. Ram Swaroop	Workshop Attentent
16.	Mr. Ravi Kumar Chomal	Lab. Technician
17.	Mr. Satya Narayan Panchal	SeniorLab Technician

2. DEPARTMENTAL ACTIVITIES

2.1 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

➢ Reverse Classroom Event

School of Engineering & Technology conducted a reverse classroom event on 17th September 2022 at 02:30 PM in ABB 12 room. The event began with the arrival of Dr. Mrinal Paliwal, wherein he started the event. Students from B.Tech 2nd year attended the session. The session started with the introduction of the event to the audience.

The first contestant was Prerna Gaur from BCA 2nd Year, first of all she introduced herself and then she discussed about the data structure concepts and later on she explained the concept of Floyd Warshall algorithm. Students were listening to her, she gave a question to solve, and all the students solved that question related to all pairs' shortest path. The session with Prerna was very good, she was very confident in teaching the students.

The next participant was Kritika Goel from B. Tech 2nd Year, she carried on the topic and explained all the technical detail regarding the algorithm. She was also very confident in her teaching. The third participant was Somya Jain from B. Tech 2nd Year, she explained the next part of the algorithm.

The session was very informative, students get an idea about the graph & how to calculate the shortest path with the help of Floyd warshall algorithm, which is a quite tricky algorithm to implement & understand.

➢ NPTEL workshop

Dr. Jeetu Sharma, SPOC, NPTEL Local chapter, Mody University of Science and Technology and Ms. Aditi Kajala, assistant Professor, CSE, SET have invited to attend this NPTEL Awareness workshop at Swami Keshvanand Institute Of Technology Management & Gramothan, Jaipur, Rajasthan on 10th of October 2022. The objective of this workshop to aware faculty members and SPOC about the NPTEL Learning and how it can be used and can take it back to the Heads of their institutions for implementation in the best way to benefit their students.

The event was organized in the presence of dignitaries from MHRD and IIT. Prof. Andrew Thangaraj, Professor, Dept. of Electrical Engineering, IIT Madras and Ms. Bharathi Balaji, Sr. Project Officer, NPTEL, IIT Madras has taken the whole session.

The session began with a welcome address by Prof. Bharathi (IITM). She thanked to the Principals/SPOCs and Mentors for their valuable role in NPTEL courses. She said that the NPTEL courses are not limited to any particular branch or year of study. Courses are available for every person worldwide who is interested in studying.

Then next session conducted by Prof. Andrew Thangaraj, Coordinator - NPTEL IITM. He explained the steps to enroll into a course. He gave a brief of the NPTEL accomplishments during Jan - April 2021. He also shared his experience during a conference in Germany where students from Canada thanked him for making the NPTEL videos available to them.

During the workshop following points has been covered:

- Domain Certification

- FDP

- Job oriented courses

- Soft skills workshops

- NPTEL Stars

➢ WEBINAR ON EXPLORING THE WORLD OF DATA ANALYTICS

A webinar was held on 10 October 2022 to give the meaningful insights to the students of Mody University about the latest trends and advancements in the field of data analytics. The objective was to demystify data & strengthen their analytical skills through this Data Analytics webinar, that delivers a high engagement learning experience with live example by the speaker and hands-on practice on the IBM tool COGNOS.

In-depth knowledge of various visualizations and its implications were thoroughly discussed during the webinar. Data Analytics as a topic and its meaning of converting raw information into numbers or qualitative data sets or to tell narratives that help companies make better business decisions were explained with real life examples.

The speaker, Ms. Khushbu Datwani has laid the foundation of learning the key aspects of data Analytics with the help Data analytics software COGNOS that can help the students to identify engagement opportunities, create personalized development reports and dashboards with the help of various visualizations .Career growth prospective as a data analyst career were explained to motivate the students and to boost their career desires.

Salient features of IBM collaboration with the University and its relative benefits such as enrollment in IBM Program and certifications thereof were the USP of the event.

Students were duly informed about the various courses offered by IBM, which can make the students job ready as per the requirements of the Industry.

Once the students enrolls and registers for IBM program , students will get the benefit of using IBM tools and technology , receive hands-on experience on Live projects as well as creation of dashboards and experiential learning-semester wise is promoted under the guidance of subject matter experts from various domains.

Online IBM resources are readily accessible by the enrolled students and providing them to excel in this competitive era.

Techno sound SMEs or Industry practitioners not only forms the basis of competency for the industry requirements but also guides and supervises students' performance at every level in each endeavor they take.

IBM career education not only helps the students to get themselves job ready but also felicitate them with the course completion certificates which when can be produced or presented digitally as n when required.

FEEDBACK:

A great deal of energy and enthusiasm was observed. Students had shown a keen interest in knowing about the career prospects as a data analyst and the collaborated Industrial relations.

The event marked as a success as students were highly motivated and asked numerous questions about IBM tools & technology.

FACULTY ACHIEVEMENTS:

- Dr. Mrinal Paliwal, Assistant Professor, CSE Department published Patent. **German Patent Granted**: "A PREDICTIVE MODEL OF ACCIDENTS USING MACHINE LEARNING ALGORITHM". Date of Publication – 24-08-2022.
- Dr. Mrinal Paliwal, Assistant Professor,, MUST attended 6 days FDP on " Emerging Trends in Contemporary Technologies" (July 11-16, 2022) organized by Shree Saraswathi Thyagaraja College, Pollachi, India.
- Ms. Aditi Kajala attended NPTEL workshop on 10th November 2022 at SKIT Jaipur.
- Ms. Aditi Kajala, Assistant Professor, MUST completed FDP/Online Course on "Natural Language Processing" NPTEL (July-October, 2022)
- Ms. Aditi Kajala, Assistant Professor, MUST completed FDP/Online Course on "Python for Data Science" NPTEL (July-October, 2022).
- Ms. Aditi Kajala, Assistant Professor, MUST completed FDP/Online Course on "Introduction to Artificial Intelligence" NPTEL IIT Delhi (Jan-April 2023).
- Ms. Aditi Kajala, Assistant Professor, MUST completed FDP/Online Course on "Introduction to Machine Learning" NPTEL IIT Madras (Jan-April 2023).
- Ms. Aditi Kajala, Assistant Professor, MUST completed FDP/Online Course on "Domain Scholar –Data Science" NPTEL (Jan-April 2023).
- Ms. Aditi Kajala, Assistant Professor, MUST completed FDP/Online Course on "Motivated Learner" NPTEL (Jan-April 2023).

2.2 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.

➢ FACULTY ACHIEVEMENTS:

- Dr. Jeetu Sharma attended NPTEL workshop on 10th November 2022 at SKIT Jaipur.
- **Book Published:** Dr. Jeetu Sharma "PRINCIPLES OF DATA SCIENCE" first edition AGPH BOOKS(Academic Guru Publishing House), Bhopal, M.P., India, 2022.ISBN: 978-93-95936-40-8
- Dr. JEETU SHARMA is certified by NPTEL for participating in the NPTEL E-Awareness workshop on February 01, 2023.
- Dr. JEETU SHARMA is certified by Institute of Informatics and Communication (IIC), University of Delhi & IEEE, SPS - Delhi Chapter NPTEL for participating in the online lecture by Prof. Pier Luigi Dragotti, Department of Electrical and Electronic Engineering, Imperial College, London, UK on February 03, 2023, on the title Computational Imaging Theory and Applications.

2.3 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

• Industrial Visit to Power House of MUST

Date: 13th and 14th January, 2023

Faculty during visit: Dr. Sunita Kumari, EE

Industrial visit is considered as one of the tactical methods of teaching. The main reason behind this- it lets student to know things practically through interaction, working methods and employment practices. Moreover, it gives exposure from academic point of view. Main aim industrial visit is to provide an exposure to students about practical working environment. They also provide students a good opportunity to gain full awareness about industrial practices.

Students learned about Mody University power and distribution networks. Instruments used in power circuit: 33KV HT VCB panel, 11 KV VCB panel, power transformers (33KV/11KV, 3MVA), three Generators (440V, 725KVA) and four distribution transformers (each rated 11KV/433V, 2MVA). 440V Power Supply from main power house further distributed to our Mody University campus.

The students found this industrial visit very useful. This visit improved the students' knowledge of various instrumentation equipment presently being used in industry. The primary objective of this visit was to make the students aware about working of various electric and electronic equipment that are used in company for production so that it may find useful to their academic project development. All were of opinion that this kind of company visit in future, would be very useful to students to learn and develop the academic projects in quite effective manner.

FACULTY ACHIEVEMENTS:

- Session Chair by Dr Vikrant Sharma in the International Conference on Advanced Research in Industrial and Manufacturing Applications (ICARIMA-2022) jointly organized by University of Mauritius & Malaviya National Institute of Technology Jaipur, during October 13-14, 2022 at Mauritius.

- Dr. Vikrant Sharma has been selected as a translator for the Hindi Translation Project of the AICTE.
- Dr. Subrata Jana participated an advanced international workshop on “The Applications of Nuclear Security: Detection Equipment and Methodologies" during 19th to 23rd June, 2023 at Amity University (AINST), Noida campus, India under the patronage of Texas A&M University (TAMU), Oak Ridge National Laboratory (ORNL) and Defense Threat Reduction Agency (DTRA), USA..

3. FACULTY PUBLICATIONS:

List of Publications (July 2022- June, 2023)

3.1 Journal Publications

1. Garg, J., Yadav, S. & Sharma, M. (2023). A modified Jerusalem inspired bandpass FSS for multiband applications based on concentric ring slots. Frequenz, *77*(9-10), 507-517. https://doi.org/10.1515/freq-2022-0218

2. Sharma, I. B., Lohar, F. L., Joshi, P., Garg, J., & Sharma, M. M. (2023). Multi-Band Antenna Design by Reshaping Surface Currents of Higher Order Mode Using CMA Method. IETE Journal of Research, 70(6), 5572–5582. https://doi.org/10.1080/03772063.2023.2274908

3. Anand Sharma, S.C. (2022). Comparison study of Machine Learning Algorithm and Data Science based Machine Learning Algorithm Malware Detection. Mathematical Statistician and Engineering Applications.

4. Thadani, S., Bagora, S., & Sharma, A. (2022). Applications of graph coloring in various fields. Materials Today: Proceedings, 66, 3498–3501. https://doi.org/10.1016/j.matpr.2022.06.392

5. Babulal, C. L., & Sharma, A. (2022). AL-TEA: Alternative tea algorithm for healthcare image in IoT. International Journal on Recent and Innovation Trends in Computing and Communication, 10(6), 24–30. https://doi.org/10.17762/ijritcc.v10i6.5620

6. Dotasara, M. ., & Sharma, A. (2022). MDAS_DBRCC: Data Backup and Recovery Technique in Cloud Computing for Education Industry. International Journal on Recent and Innovation Trends in Computing and Communication, 10(6), 31–36. https://doi.org/10.17762/ijritcc.v10i6.5621

7. Anadani, I., Sharma, P., & Sharma, A. (2023). ACO based clinical decision support system for better medical care. International Journal on Recent and Innovation Trends in Computing and Communication, 11(7s), 635–639. https://doi.org/10.17762/ijritcc.v11i7s.7524

8. Sharma, Vishal & Sharma, Anand & Lal, Niranjan. (2023). Comparative Study of Proposed Blockchain and IPFS integrated Patient Electronic Health record System Comparative Study of Proposed Blockchain and IPFS integrated Patient Electronic Health

record System. European Chemical Bulletin. 12. 137-145. 10.31838/ecb/2023.12.si4.022.

9. Rituraj S. Rathore and Viranjay M. Srivastava, "Effect of Multi-fin with Independent LER on Intrinsic Statistical Variability Sources," International Journal of Electrical and Electronic Engineering & Telecommunications, Vol. 12, No. 5, pp. 358-362, September 2023. doi: 10.18178/ijeetc.12.5.358-362
10. Rituraj S. Rathore and Viranjay M. Srivastava, “Influence of Fin Width Modulation on Nanoscale FinFET” 2022 ECS Trans. 109 11doi:10.1149/10907.0011ecst.
11. Paliwal, Mukul Kant, Sanjeev Jakhar, and Vikrant Sharma. "A comparative study on photovoltaic/thermal systems with various cooling methods." Materials Today: Proceedings (2022).
12. Jakhar, Sanjeev, Mukul Kant Paliwal, and Manish Kumar. "Machine learning predictive models for optimal design of photovoltaic/thermal collector with nanofluids based geothermal cooling." Environmental Progress & Sustainable Energy 42.5 (2023): e14131.
13. SWAMI, N., & SHARMA, D. J. A COMPREHENSIVE STUDY ON ROUTING SCHEMES AND CHALLENGES FOR MANET. Stochastic Modeling.
14. Prakash, P. Shakti, Suryappa Jayappa Pawar, and Ravi Prakash Tewari. "PREPARATION AND BIOLOGICAL EVALUATION OF PLD-BASED FORSTERITE–HYDROXYAPATITE NANOCOMPOSITE COATING ON STAINLESS STEEL 316L." Surface Review and Letters 30.01 (2023): 2141002.
15. Sachdeva, Ritika, et al. "A Computer Vision Assisted Yoga Trainer for a Naive Performer by Using Human Joint Detection." Robotics, Control and Computer Vision: Select Proceedings of ICRCCV 2022. Singapore: Springer Nature Singapore, 2023. 369-386.
16. Jain, Prachi, and Vinod Maan. "Emotion recognition using human GAIT with chiropteran mahi metaheuristic algorithm." Eur. Chem. Bull 12 (2023): 4671-4685.
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4. PROFESSIONAL SOCIETIES

4.1CSI Lakshmangarh Chapter

Activities:

55th Engineer's Day

and

5th year of CSI Lakshmangarh Chapter

Celebration @ Mody University of Science and Technology, Lakshmangarh

(15th September, 2022)

On the occasion of Engineer's Day, i.e., 15th September 2022, which is celebrated as the birth anniversary of Sir Mokshagundam Visvesvaraya, an orientation program was organized by CSI Student Branch - Utkarsh, at the School of Engineering and Technology, Mody University of Science and Technology, Lakshmangarh.

The orientation event began with the lighting of the auspicious lamp by the dignitaries, which was followed by Saraswati Vandana and the Kulgeet of Mody University. Dr. Rajeev Mathur, the director of Mody University of Science and Technology, Dr. Prateek Bhanti, the dean of SET, and Dr. Anand Sharma, Faculty Coordinator were among the dignitaries present.

After the Kulgeet, Dean-SET, Dr. Prateek Bhanti, inspired the students with his motivating words. And then, Dr. Rajeev Mathur, Director of Mody University of Science and Technology, addressed the students with his knowledge and experience. His encouraging words instilled a great zeal of enthusiasm among the students.

The first event started with an introduction to the CSI, which was followed by a #IamRemarkable workshop presented by Deepansha Singh, a silver certified I am Remarkable trainer, and the day was wrapped up with a workshop on 'Data Engineering and Placement Guide' led by knowledgeable experts from REGex.

The orientation commenced with a briefing about CSI Student Branch - Utkarsh. The orientation gave information about CSI and its student branch - Utkarsh. There was a presentation which showcased how the student branch of CSI works to connect tech enthusiasts and help them grow. The orientation provided an overview of the different annual events that the society organizes and its internal events for its members. The orientation was wrapped up with some fun games.

After the orientation, the #IamRemarkable workshop, which was conducted by Miss Deepansha Singh, who is a silver-tier certified #IamRemarkable trainer. It began with a brief explanation of the workshop, which was created by Google as part of a campaign to highlight the accomplishments of women and other underrepresented groups both at work and outside of it. The workshop's main objectives were to enhance self-promotion and alter social perceptions of it.

Miss Deepansha Sigh, said that when we celebrate our accomplishments and let others know about them, it will make us stronger and more self-assured. She also engaged everyone in a game where they had to list their accomplishments using the hashtag #iamremarkable. This was a great way to boost confidence and make people aware of their potential.

A second workshop on 'Data Engineering and Placement Guide' by REGex was held. Every participant had to bring a laptop to the 2-hour workshop. The workshop was jam-packed with knowledge. They provided instructions on data import and management. The workshop had a large number of participants, and the students loved it. An e- participation certificate was also given to the students.

Overall, the celebration and orientation programme was a huge success and a fantastic way to introduce everyone to the Computer Society of India.

➢ WORKSHOP ON EXPLORING CAREER PATHS

On November 28, 2022 the Utkarsh-Student Branch of CSI Lakshmangarh Chapter organized a captivating workshop on the topic "Exploring Career Paths" from 5:30 p.m. to 6:30 p.m. The speakers for the event were Ms Aditi Singh and Ms Deepansha Singh. This session was held to educate all of the participants about various future paths. The workshop was remarkable as it allowed students to connect and share their thoughts on a variety of topics.

The major topics discussed in the event included post-B. Tech. jobs in public and private sectors, post-graduate degrees, and a plan for international study. Additionally, the range of branches the research industry offers and the minimal requirements for applying for each was explained to them. After the workshop, there was a Q&A Session where participants were open to asking doubts, because of which they got a chance to engage with our presenters more directly.

Our speakers spoke about various paths that could be taken to pursue further studies from overseas colleges and the wide range of multidisciplinary specialities available for students to choose from. Moreover, they discussed several exams participants might take to get accepted into prestigious colleges for post-graduate degrees. They encouraged the participants to identify their interests throughout the session, which will help them in choosing an appropriate career.

➢ DROID 5.0

CSI Student Branch, MUST, Lakshmangarh organized a technical fest DROID 5.0 from 7th April 2023 to 9th April 2023 at School of Engineering and Technology, Mody University of Science and Technology, Lakshmangarh. The annual technical fest was the 5th version of the DROID series. On 7th, 8th and 9th of April, it was held on campus for offline participants as well as for remote participants. The theme of the Droid 5.0 was "VERITY- The Nerve of Technology", which consisted of 12+ events such as Chat Bot workshop, Poster Presentation, Hacker's Asylum, Software Presentation, Hardware Presentation, Tug of Word War, Mock Recruitment, Co:Decode, Brand Yourself, Spree Corner, Les Quizerables and Feista. The event was a major success, with 300+

students from 10+ colleges participating. The 3-day event was commenced with an inaugural ceremony. The dignitaries present were, The Chief Guest: Dr. Manoj Kuri, Principal, Government Engineering College Bikaner, Prof. (Dr.) Rajeev Mathur, Director, Mody University of Science and Technology, Prof. (Dr.) Prateek Bhanti, Dean, School of Engineering and Technology and Dr. Anand Sharma, SBC- CSI Student Branch, MUST. They inspired the students with their influential presence and advised them for achieving their aim without losing moral values. Dr. Prateek Bhanti, Dean-SET welcomed the students and dignitaries with his motivating words.

The first day's events began with a workshop on chatbots called "Bot Talks," where Ms. Anudita Sharma showed the participants how to create their own chatbots using only Python 3 and OpenAI. The students found the workshop to be very beneficial, and each one received a certificate of participation.

This event proceeded with the next event of the day which was software presentation where participants showcased their technical skills. The winner of software presentation was Team Pool Party. Concurrent to this event, another event Poster Pesentation was also going on. The winner was Team D2S. The next event of the day was a debate competition called Tug of Words War, in which competitors had to argue either in favour of or against a motion by presenting their points of view on the themes at hand.Ms. Mridu Arora (for the motion) and Ms.Pragya Kochar (against the motion) were the winners of this debating competition.

Parallel to this event, first and second round of Mock Recruitment started. It was a mock placement drive for students to practice and develop themselves into the environment of different company interviews. Another fun event which was Spree Corner was held throughout the 3 day fest. It was for the participants to showcase their skills and talents in a variety of artistic medium and can earn from the same. This event became the major success of the 3 day tech fest.

Day 1 ended on a high note with the entertaining event which was Foray – A Fashion Show, which was conducted by SOD department.

The day-2 started with the event Hacker's Asylum, a hackathon which was conducted in 3 rounds with 3 surprise round after every round. The winner of the event was Ms.Prerna Gaur, 1st Runner Up was Ms.Kratika Goel and the 2 nd Runner Up was Ms.Akansha Sharma, who won cash prizes and certificates. This was preceded by Hardware presentations in which students presented their hardware projects based on their technical skills and creativity. The winner of the event was Team Blu D, they won a cash prize and a certificate. After this, another event Brand Yourself started, which was a portfolio designing competition for students to showcase their creativity skills by highlighting their area of expertise. The winner for this event was Ms.Nandini Khandelwal, 1st Runner Up was Ms.Bhumika Chahar and 2nd Runner Up was Ms. Priyal Gupta. Fun event – Treasure Hunt that ran concurrently with Brand Yourself, in which a clue was given to each team and the team which solved all the clues was declared as the winner. This was followed by Love Yourself – a march past to celebrate yourself, which began from the statue area and ended at the band stand. The last event of Day 2 was Party Punks – a EUPHORIA theme based party and a game night full of music, dance, games, rewards and much more.


Day-3 started the 3rd and 4th Round of mock recruitment. The shortlisted candidates from the previous rounds were further judged on their problem solving, analytical skills and critical skills in further two rounds. The winners of the event were Ms.Daisy Vyas, and Ms. Bhagyashri Rathore. Parallel to this, another event, Co-Decode was also going on. This event was conducted to assess the debugging skills of the participants. The winners were Ms. Akansha Sharma, Ms.Isha Gupta and Ms. Divyta Gehlot. They received a cash prize and a certificate. After this, a brain teasing event Les Quizerable commenced, which was a quiz competition on different genres – Bollywood, K-Pop, Anime and Marvel. It was an interesting and fun event. The last event of Day 3 was the 60 seconds of fame, for the participants to showcase their skills like dancing, singing, acting or any other skill in less than 60 seconds.


The third day concluded with a Valedictory in which the main idea and spirit of DROID 5.0 were presented and briefly discussed for future use. All competitors received certificates of participation, and the winners received certificates and monetary prizes. Overall, DROID 5.0 was

a fantastic achievement and a wonderful chance to learn and develop via knowledge and competition.

After the Valedictory Ceremony, an evening full of music, dance and another talents was organized for the participants. This yearly event was a huge success for the university and serves as a template for future DROID versions. It was acknowledged that the team put forth a lot of effort to make this event a success.

4.2 IEEE STUDENT BRANCH, MUST

IEEE STUDENT BRANCH
Mody University of Science and Technology

ACTIVITIES:

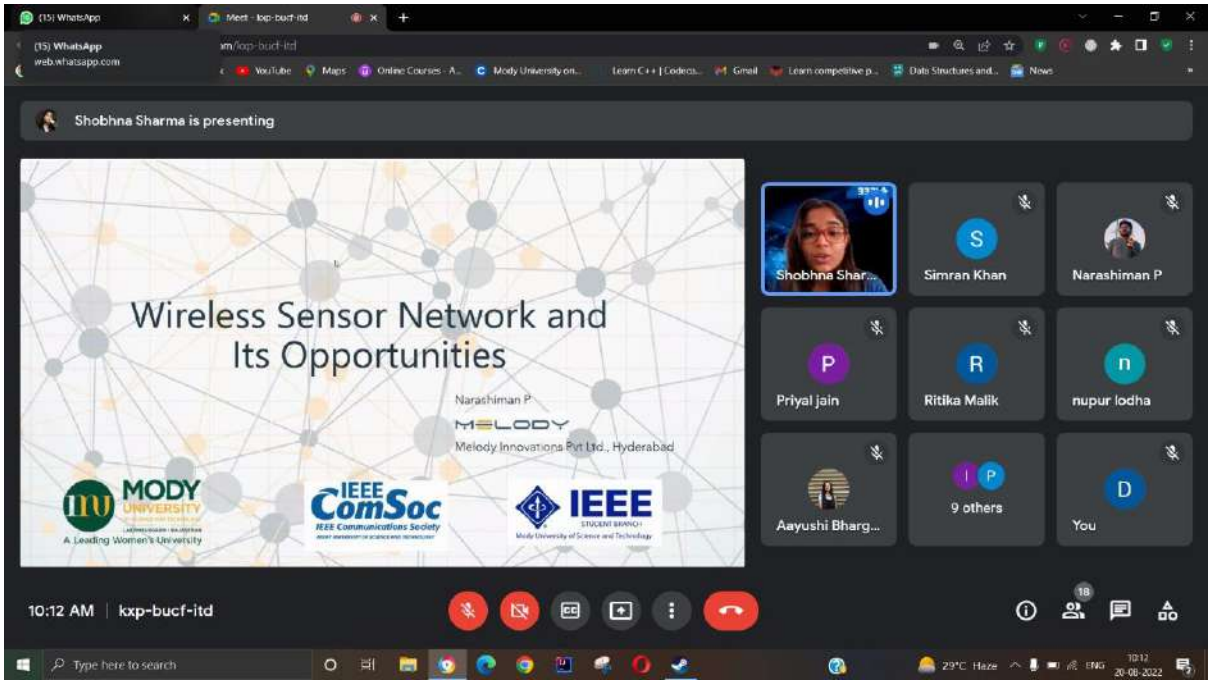
➢ WSN and it's Opportunities

On the 20th of August 2022, the IEEE ComSoc MUST Chapter of Mody University organized an informative webinar on "WSN AND ITS OPPORTUNITIES". The webinar was in the duration of 10:00am to 12:00pm. It was open to all IEEE and non-IEEE students. The webinar was very informative in which students directly interacted with the speaker and got a golden opportunity to know more about WSN.

The keynote speaker for the session was Mr. Narashiman P, who is a Mechatronics Design Engineer having 6+ years of experience in IIoT. He has done his MTech in Digital manufacturing from the most renowned college BITS Pilani WILP.

The topics covered in the webinar were: Introduction to Wireless Sensor Network,Market opportunities applications in the Military, Environment, and Industry, and also about practical implementation and various components of WSN.

We also got knowledge about the parts of WSN and its enabling factors, factors influencing WSN design, protocol stack, and WSN as underpinning technology. We learned about the key skills for working in WSN and its areas of research. A case study on "OpenThread" released by Google was also explained and we got to know about OpenThread stimulation through it. The attendees got to acquire skills and knowledge and the webinar ended with a solution to the queries of students.



➢ Voice it:

On August 27, 2022 another successful event was organized under the guidance of Dr. Jeetu sharma, by WIE Society of IEEE MUST conducted "VOICE-IT" event in which students of Mody University took part. This was a great event and was conducted smoothly by the OC Team. Ms. Ishita Singh (General Secretary Penumbra) and Ms. Jitisha Adwani (Event Head Penumbra) were the judges for this event.

The event began at 5:00 pm in room number 32, ABB Building of Mody University of science and technology. Both the judges arrived at the venue on time and the event began. In starting every participant was given their flag cards and then one online buzzer was used using which names were organized in one ordered list. Now, everyone was asked to pick a slip from the box on which topics were written.

Rules for this event were simple, First participant will start speaking about the chosen topic for 60 seconds if no other participant interrupts them. Any participant can interrupt only if the speaker makes any grammatical error or starts humming in between and if the objection of interrupter is right then she will get the chance to speak.

➢ IEEE Orientation Ceremony

IEEE Student Branch of Mody University of Science and Technology, invited freshers to gain knowledge about the experience and perks that IEEE provides in the Orientation Ceremony for the session 2022.

The details of the ceremony is given below:-

Date: 22 September 2022

Venue: ABB 01

Time: 4:30 pm

With the assistance of branch counselor Dr. Jeetu Sharma, IEEE SB MUST successfully carried out the orientation programme for 2022-2023, providing stepping stones for the new students. The meeting gave the new members information on the philosophies, activities, past accomplishments, and future plans of our Student Branch.

With enjoyable ice-breaking activities throughout, the event was a big success.

The event obtained 100+ attendees and went live through the Instagram page of IEEE. In conclusion, the event and efforts of the organizing committee received positive feedback and appreciation from the audience.

➢ IEEE DAY 2022

IEEE SB MUST hosted an astonishing series of events too for celebrating IEEE day 2022.

IEEE Student Branch, Mody University of Science and Technology along with its community partner IEEE Delhi Technological University Student Branch and IEEE Guru Tegh Bahadur Institute of Technology Student Branch planned a 3 Day Fiesta of events and exposures that the students will cherish for a lifetime from 7th - 9th October 2022 under the guidance of Dr. Jeetu Sharma, Branch Counselor.

In these 3 days, we covered various technical events, hands-on workshops, relay marathons, cultural evenings, and much much more.

Opening Ceremony

As a part of IEEE Day Celebrations 2022, IEEE SB MUST started the celebration with a mandatory and enlightening Opening Ceremony on the very first day of this flagship event which was in collaboration with IEEE Delhi Technological University alongside community partners IEEE Guru Tegh Bahadur Institute of Technology. It took place on October 7th, 2022 in offline mode from 9:15 AM onwards in Mini-Auditorium. Every registered participant was invited to the grand opening ceremony. The ceremony started with welcoming our community partners and the esteemed guests. A total of 150 participants joined us for the ceremony and the event celebration started with lots of positivity and fun. The opening ceremony finished at 11:00 AM followed by a short hi-tea break of half hour, kept for only external delegates.

Event by IEEE DTU (ML Workshop)

With the increasing attention towards the field of Machine Learning and Data Science, IEEE DTU planned an event that gave students a head start in the field of machine learning.

IEEE Student Branch Mody University of science and Technology along with its community partners IEEE DTU SB and IEEE GTBIT SB provided students the platform to learn and grow together this IEEE Day and connect and network with delegates from various student branches of IEEE.

Event details

The event was a success as students got a better understanding about ML concepts. The event ended by clearing doubts of students and helping them explore more in the respective field.

Quiz on Debugging

On the auspicious occasion of IEEE Day, IEEE Student Branch Mody University of Science and Technology organized "Quiz on debugging" on October 7, 2022. The duration for the same was from 2:45 pm to 4:30 pm (IST).

The Quiz consisted of three different rounds. First was the simple Quiz round then Buzzer round and at

Last there was the Debugging round.

The moderators were Ms Priyal Jain and Ms Prisha Prajapati and the Quiz proceed as follows:

- In round 1, it was a Quiz round in which participants fill the Google form containing questions and participants who will answer correctly and timely will proceed to round 2.
- Moving into round 2 it was a buzzer round in which they were provided with the online buzzer room, they were provided with the code snippets and they have to identify the bug and who will do it appropriately and efficiently will proceed to the next round.
- Round 3 which was a Debugging round in which they were provided with the laptop and they had to accurately identify and debug all the bugs.

In conclusion, there was active participation of each and every participant as well as the audience. It was the quiz on their accuracy and efficiency in understanding as well as solving the question. The

Winners announced at the closing ceremony on October 9, 2022.

Where's the finish

IEEE Mody University of science and technology in collaboration with IEEE DTU along with community partner as IEEE GTBIT organized the event where's the finish? , which was a relay marathon. The motive of this event was to lift up sportsmanship and team spirit. Students were asked to come in teams beforehand according to the games. The event took place on 7th October 2022 from 5:00pm to 6:30pm at SOB ground.

Registrations were done on the spot in the lobby. Total 8 teams registered for the event. Each round consisted of 4 teams, each of 6 members. There were 6 segments of the race. Each team has to assign the numbers indicating the respective segment to the members they will be covering. There were a total of six puzzle pieces in the race that the teams must collect.

The rules were -

- Each team member must only perform their part and will bring a piece of the puzzle with them to the next section.
- After finishing segment of the race, the puzzle piece is to be handed over to the next team member
- The transferring of the puzzle must only happen at the designated point, not before or after the mark.
- The last player for the relay must have all the six pieces of the puzzle. They are supposed to assemble them together at the ending designated spot.
- Notify the moderators by raising your hand, after finishing the puzzle
- The team that completes the full race in the shortest amount of time with no disqualifications is declared the winner.

RELAY COURSE

- Segment 1 of "Where is the finish?" is the running race, which begins with the Green Flag and must be finished by player 1. Volunteers Neha Sharma, Ridhima Garg are there to help you.
- Segment 2 the race is the Sac Race, which begins with the orange flag and must be finished by player 2. Volunteers Neha Kumari and Bhawna Gupta are on hand to assist you.

- Segment 3 of the race is the Three-Legged Race, which begins with the Blue Flag and must be finished by player 3. Volunteers Deepali Singal and Vasudha Choudhary are available to assist you.
- Segment 4 of the race is a one-leg race with the yellow flag as the starting point that needs two players and should be completed by Player 4 and Player 5. Volunteers Ishita Birla and Yashika Goyal are available to assist you.
- Segment 5 of the race is the Lemon & Spoon Race, which begins at the Purple Flag and must be finished by player 6.Volunteers Vedika Singh and Anshi Singhal are on hand to assist you.
- The relay race's beginning point is symbolized by the Red Flag, i.e. part 6, which is a shocking "puzzle" round that should be finished by the last player, i.e. player 6.

The winning team of each round was set up against each other in the last round.
At the last, the winning team of each round was to compete with one another but in a different order.

Day 2

A Coder's Journey

"Technology is best when it brings people together"

As a part of IEEE Day Celebrations 2022, IEEE SB MUST organized a "A coder's Journey" on the second day of this flagship event which was in collaboration with IEEE Delhi Technological University alongside community partners IEEE Guru Tegh Bahadur Institute of Technology. It took place on October 8th, 2022 in offline mode from 9:15 AM till 11:30 AM in Mini-Auditorium. The event began with a quick introduction of the speaker Mr. Piyush Khandelwal. He is the director of the W3 grads and served as the mentor for geeksforgeeks for 2 years. He has done his M.Tech in CSE from Delhi technological university, Delhi. A coder's journey covered all the details about his experience as a coder, his college life and his professional life. He connected with students by giving examples from his own life and motivated them to pursue their goals.

During the session, Mr. Piyush requested the participants to write their birthdates for a game called "guess your birthdate." He then stunned the audience by predicting the right birthdate, which he did with the aid of some straightforward reasoning and lines of code.

After thereafter, Mr. Piyush ensured that the session remained interactive by asking a few questions to the audience, and chocolates were given to the pupils whose responses were outstanding.

Finally, a brief question-and-answer period was held during which the audience members' concerns were addressed.

A group picture and congratulations marked the event's conclusion.

KBC

IEEE Student Branch Mody University of Science and Technology in collaboration with IEEE Delhi Technological University and community partner as IEEE Guru Tegh Bahadur Institute for Technology organized IEEE Day Celebrations on the occasion of IEEE Day 2022. The celebrations were from 7th October 2022 to 9th October 2022. On the 2nd Day, that is, 8th October the Current Affairs Quiz, KBC was conducted.

The event was conducted from 11:00 am to 1:30pm, wherein three rounds were curated by the team. The working of the event was as follows:

- Round1: This round was a buzzer round for the audience out of which top performers were selected for the next round.
- Round 2: This round was a rapid fire round in which the participants that qualified in round were supposed to answer each question in the span of 5 seconds.
- Round 3: In this round the top performers competed for the cash prize of 500, 1000, and 2000 rupees.

Ideathon: Dark Side of the web

"A good discussion increases the dimensions of everyone who takes part"

As a part of IEEE Day Celebrations 2022, IEEE SB MUST organised Ideathon on the second day of this flagship event which was in collaboration with IEEE Delhi Technological University alongside community partners IEEE Guru Tegh Bahadur Institute of Technology. It took place on October 8th, 2022 in offline mode from 2:45 pm to 5:00 pm onwards in ABB 01.

The event started with introducing its panel of judges for "IDEATHON: The Dark Side of the Web".

Judge Details -

Mr. Hitesh Jangir (Assistant Professor SET, Mody University)

Dr. Somil Jain (Assistant Professor SET, Mody University)

Students needed to work in teams for the event. Teams had the provision to submit their presentations within a window of 45 minutes on the spot if not before the event. Only the team leader was supposed to fill the submission form. The presentation must elaborate on the solution, technical or non-technical, that the respective teams have curated. Plagiarism of ideas was strictly prohibited. Each team got only 5 minutes to explain their presentation in Round 1.
Exceeding the time limit would lead to a deduction of points.
The judging panel decided the Qualifiers of Round 1 which was solely based on the given judging criteria. ONLY the teams qualified for Round 1 participated in Round 2.
Winners of Round 2 were decided based on live polling by the audience which was to be done on the spot.

Portfolio Building

As a part of IEEE Day Celebrations 2022, IEEE SB MUST organized Portfolio Building on the second day of this flagship event which was in collaboration with IEEE Delhi Technological University alongside community partners IEEE Guru Tegh Bahadur Institute of Technology. It took place on October 8th, 2022 in offline mode in ABB 01.
It was a hands-on workshop on Portfolio Building using React that helps in up skilling the resume into a portfolio which makes students outshine in interviews and placements.
The speaker for the event was Miss Ritika Malik who is serving as the secretary of GeeksforGeeks, MUST and J.P. Morgan's Code for Good Winner'22.
It was a fun session where students learnt about building their portfolios.

Day 3

Self Love PD

As a part of IEEE Day Celebrations 2022, IEEE SB MUST organized a "Self-Love Panel Discussion" on the third day of this flagship event which was in collaboration with IEEE Delhi Technological University alongside community partners IEEE Guru Tegh Bahadur Institute of Technology. It took place on October 9th, 2022 in offline mode from 9:15 AM onwards in Mini-Auditorium. The event began with the moderators giving a brief introduction of the following panelists to the audience:

- Ms Shatakshi Singh (Data Scientist, Lowe's)
- Ms Priyanka Pareek (Business Analyst, Barclay's)
- Ms Anika Srivastava (Software Engineer, Dell Technologies)

Following this, a discussion took place where the panelists spoke about their struggles, difficulties, journey and transition from college to professional life. After about an hour of fruitful discussion, the event proceeded into Phase 2 which consisted of a few exciting activities. The following activities were conducted:

- Fly to Your Heart: The audience was asked to use a sheet of paper to write a sweet and kind compliment, make it into a plane and fly it; the person who received it got to keep it.
- Confront to Conquer: The audience was encouraged to share their fears. Their courage to voice their insecurities in front of others was then reciprocated with positive affirmations and applauses.
- New Hour, New Connection: An activity where participants had the chance to make new friends through small conversations on a few topics that were given to them by the moderators.

The event marked a successful ending with 200+ participants inclusive of delegates that came from outside the student branch. In conclusion, the event and efforts of the organizing committee received positive feedback and appreciation from the audience.

VR: IDE

As a part of IEEE Day Celebrations 2022, IEEE SB MUST organized a "VR: IDE" on the third day of this flagship event which was in collaboration with IEEE Delhi Technological University alongside community partners IEEE Guru Tegh Bahadur Institute of Technology. It took place on October 9th, 2022 in offline mode from 12:00 PM to 1:30 PM onwards in Mini-Auditorium.

This event introduced students to the world of Virtual Reality wherein they explored and witnessed the workings of fundamentals of VR through a VR Headset.

The speaker for the event was Miss Heena Thadani, (Collaborative VR Intern at MITACS at the University of New Brunswick, Fredericton, Canada).

Closing Ceremony

IEEE Mody University of of science and technology in collaboration with IEEE DTU and IEEE GTBIT organized "Closing Ceremony" of IEEE Day Celebrations 2022 to hổn and felicitate the winners and participants that consistently cheered up our spirits.

The ceremony started with a welcome note delivered by Ms. Purva. It was followed by a speech delivered by Jeetu ma'am where we thanked her for her constant support. After her speech, we thanked our collaborators and community partners for joining us and making this event a success. We invited Mr. Rohan and Mr. Nishchay to share their experience over the part few days and of The IEEE day. It was followed by felicitation of respected teachers and collaborators. After doing the felicitation successfully, a brief summary and report of the IEEE celebration was delivered by Ms. Nivedita Vyas. Then the most awaited moment, the prize distribution ceremony was done where the winners of all the events were called turn by turn and were rewarded for their performance. After the prize distribution, A BTS video was played, which was basically a glimpse of all the preparations that went into this event. Any ceremony is incomplete with dance performance, hence beautiful dance performances were performed by our talented dancers. The dance performances were very delighting and the highlight of the ceremony. The chairperson of IEEE SB MUST Ms. Heena Thadani was invited on the stage to share her experience of the 3 day fiesta. At last, a vote of thanks was given to all dignitaries, attendees and the organizational committee. Vote of thanks was delivered by Ms. Jahanvi Sharma.

The closing ceremony ended with a group photograph and National Anthem.

Cultural Evening

IEEE Student Branch Mody University of science and Technology along with its community partners IEEE DTU SB and IEEE GTBIT SB organized an evening that brought out the filmy side and showcased some talents through various performances.

Everyone was asked to follow the theme and get dresses as their favorite Bollywood characters. The evening saw some of the best performances of singing, dancing, guitar and many other forms of entertainment. The best of the performances and the best dress up students were felicitated. This event marked the end of IEEE day celebration.

➢ National Youth Day

To encourage and enlighten the leaders of tomorrow, IEEE SB Mody University of Science and Technology celebrated National Youth Day on 12th January 2023 under the supervision of branch counsellor Dr. Jeetu Sharma, to celebrate the greeted leader of all time, Dr. Vivekanand. The students from 1st as well as 2nd year were enlightened about the importance of each individual's individuality that should be sacred to him/her.

The milestones of Dr.Vivekananda were discussed and his speech in the 1893 World's Parliament of Religions, United States of America was showcased to the participants. Furthermore, Dr. Prateek Bhanti, Dean School of Engineering and Technology, explained about how one should work on his spirituality and inculcate the values provided by Dr. Vivekananda in their daily lives.

This was followed by a quiz for the participants on the major events in the life of Dr. Vivekananda and a recitation by Ms. Archita Raj.

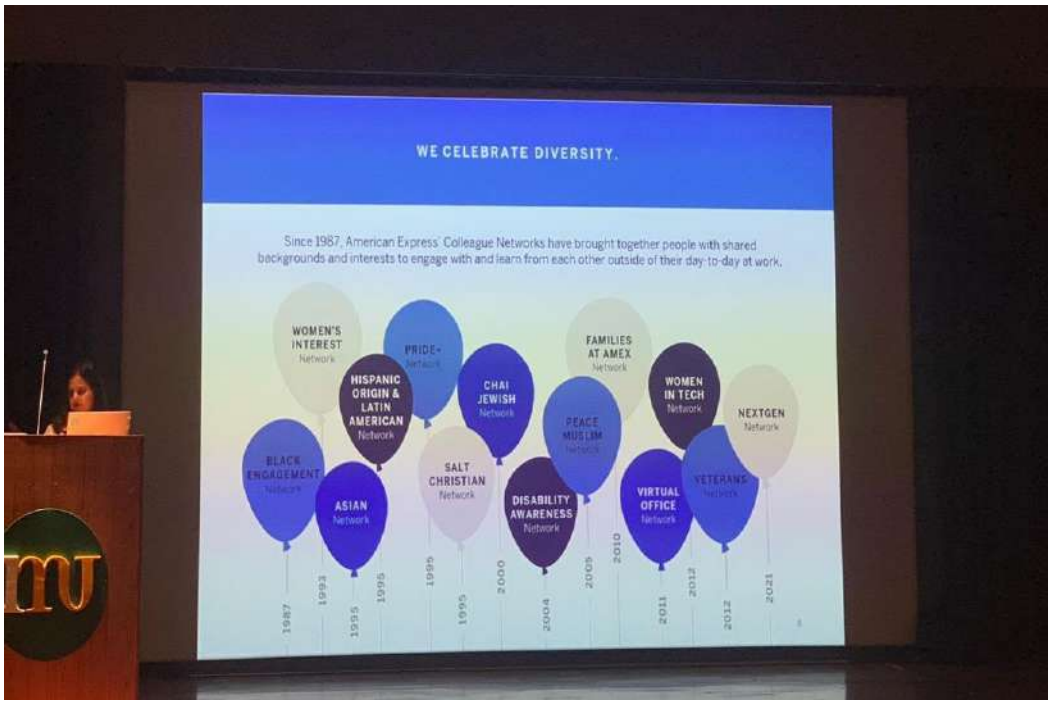
The event was concluded with the vote of thank by the coordinators of the event Ms. Nivedita Vyas, Secretary IEEE SB MUST, and Ms. Ritika Malik, Webmaster IEEE SB MUST.

➢ American Express Event

The Director, India Campus Recruitment, Talent Acquisition Partner from American Express visited Mody University of Science and Technology on March 24, 2023. The event took place in Mini Auditorium (Swami Ramtanu Pandey Tansen Sabhagar) from 12:30 to 2:00 p.m. (IST).

Dr. Sachin Gulati, Niharika Tyagi, and Vindhya Sood had a wonderful and engaging conversation with the students. They describe American Express and what it does as well as their company culture and teamwork. They took a survey session on the user-friendly Q&A and polling app Slido. Many of the student's queries were answered, and they learned more about the corporate world.

In conclusion, there was active involvement from every student. It was a great experience. Each student was fascinated by the process of learning.



➢ Mini apogee by BITS PILANI

MINI APOGEE organised by BITS PILANI held on 23rd Mar '23 was a centre of attraction for all the beginners to begin with their coding journeys.

The event commenced with the brief introduction about the 41st edition of their annual tech fest named APOGEE-the institute's annual technical extravaganza from 31st march to 3rd April. Their epic theme is all about HIVEMIND GENESIS.

The speaker of the event who was the IEEE chairperson of BITS PILANI student branch paved the way to the commencement of MINI APOGEE'23. This event consisted of three events that were

I. **ML Codathon**- It was a competition which tested the knowledge of AI/ML in an innovative manner with the aim of fostering innovation and collaboration in the field of machine learning. It had the opportunity to interact with each other, exchange ideas and experiences.

   It consisted of three problems that used machine-learning techniques and a bonus problem for the students to solve and the student who solved more number of questions correctly was declared as the winner.

It was a fun and interactive session. Everyone had to register in the codathon using Kaggle and the form was given and the QR Code provided by the team and then the coding was to be done on the available website platform.

II. **POLYSIS:** This was the second event held after the break.

It was a team event in which teams (2-4 members) were to participate and write their own opinions about the case-study based on public policies in a time limit of thirty minutes.

Winner teams qualified for the next round, debate round which was to be held online with other universities linked with MINI APOGEE event.

The questions linked with this events were:

- Explain your views on the role of morality in international relations using India's neutrality in the Russia-Ukraine war as a case.
- Why did the shares of Adani group suffer serious falls following a report Hindenburg Research? What according to you are the motives and causes of the report and the subsequent sell-off?
- What are your views on the validity of the arguments presented in the "problem of evil (as in theology/ philosophy)? Provide a logical validation or rebuttal about the same.
- Briefly describe your views either in favour of or against using AI in decision-making processes during conflicts? Use examples to illustrate your points.
- What impact do you believe India's current presidency of the G-20 can have? What role do you expect India to have a role in shaping the global agenda on climate through forums like G-20 in 2023?

The answer to all of these questions were to be written in an A4 size sheet provided by the team in a limited amount of time and then the sheets were taken away for further evaluation.

III. **MOBILE PHOTOGRAPHY:** Next event lined up was the most creative one, as it allowed the participants to showcase their photography skills. The participants were supposed to upload the photographs of the campus and the top photographers were to receive special discounts for the main APOGEE event and have their photos published in their galleria.

IV. VALIDATORY CEREMONY: After lunch, there was a award ceremony where the winners were awarded for their outstanding performances.

In the mobile photography event the first position was secured by Ms. RUCHA KALE followed by Ms. KHUSHI PHOGAT and Ms. ISHA SHARMA as the second and third position winners.

In the ML Codathon the winner was Ms. DAISY VYAS.

The polysis event only had the first round today. The winners will be announced later and they will participate in the second round with the winners of the other college.

Overall, the event was a great platform for learning, sharing, and networking, and we look forward for such events and also provided an excellent opportunity for attendees to network with each other, share ideas and experiences, and build relationships.

5. 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, Lakshmangarh					
Overall Placement Report - Session 2022-23					
SCHOOL OF ENGINEERING (SET)					
Programme	**Total Students**	**Not Interested / Not Eligible**	**Total Available Students**	**Students Placed**	**Placed %age**
B. Tech. CSE	**137**	6	131	122	93.13
B. Tech. ECE	**2**	0	2	1	50.00
B. Tech. EE	**2**	0	2	2	100.00
B. Tech. ME	**4**	1	3	3	100.00
B. Tech. NST	**1**	0	1	1	100.00
B.Tech. BME	**11**	2	9	8	88.89
BCA	6	6	0	0	-
MCA	2	0	2	2	100.00
M.Tech.	0	-	-	-	0.00
Total	**165**	**15**	**150**	**139**	92.67

6. STUDENT SOCITIES

6.1 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

ACTIVITIES:

➢ Independence Day Celebration (August 15, 2022)

The members of Karuna club along with Faculty Coordinator Dr. Purnima Sharma celebrated the Independence Day with the students of Bal Seva Sadan, a school at Lakshmangarh for the underprivileged children. The school children gave inspiring performances in the form of dances,

poem recitation and group songs. The members of Karuna Club also presented a patriotic poem and recited verses to inspire the students. This was followed by distribution of refreshment and stationary items to the children in the school. The members finally returned after spending quality time with the children.

- **Children's Day Celebration at Bal Seva Sadan School (14th November 2022)**

Karuna Club members attended a fair organized at Bal Seva Sadan School, Lakshmangarh 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.

- **Winter Wear Distribution Event**

On 9th December 2022, winter wear (socks, gloves and woolen caps) were distributed among the underprivileged kids of Bal Seva Sadan, Lakshmangarh. The winter wears were donated by Alumni of SET. This event was conducted by the existing student members of Karuna Club.

6.2 GOOGLE DEVELOPER STUDENT CLUBS (GDSC), SET MUST

The Google Developer Student Clubs SET, Mody University of Science and Technology (GDSC MUST) has conducted several events. Events and activities were beneficial for each student of the SET, MUST. The community is maintained by highly dedicated team with Apoorva Nagar as Lead, and Core team and executive team members. Under the guidance of Mr. P. K. Bishnoi and with an aim under the umbrella of Google and SET, MUST to uplift the technical community, following are the milestones achieved by the team:

The GDSC MUST Community is currently a family of 270+ community members within a span of few months. With over a great reach over various platform, GDSC SET, Mody University is providing value across LinkedIn, Instagram, Twitter, Discord and YouTube.

ACTIVITIES:

➢ Crisp Intro Session to Google Solution Challenge

On January 13th, 2023, GDSC-MUST conducted a Crisp Intro Session to the Google Solution Challenge. The session aimed to engage more students to participate in the challenge and to provide them with an overview of what the challenge entails. The session was held in a computer lab, and over 30 students attended the session. The session began with an introduction to the Google Solution Challenge, where the members of GDSC explained the objectives of the challenge and the various benefits that the participants can gain from it. We provided an overview of the rules and guidelines for participating in the challenge. They explained the various categories of the challenge and the eligibility criteria for participation. The attendees were also provided with a detailed explanation of the steps involved in participating in the challenge. The speakers discussed the various resources available to the participants, such as the Google Cloud Platform, Firebase, and other tools that could be used for developing their projects. During the session, the participants were encouraged to ask questions and clarify their doubts. The speakers were able to address their queries and provide them with valuable insights and suggestions.

The Crisp Intro Session to the Google Solution Challenge conducted by the GDSC at Mody University was a great success. It provided an excellent platform for students to learn about the challenge, its objectives, and the various resources available to them. The session also motivated

and inspired the attendees to participate in the challenge and develop innovative solutions to real-world problems.

- **Web Development Workshop**

On 21 and 22 march 2023, GDSC-MUST organized a Web Development Workshop aimed at introducing participants to the fundamentals of web development using HTML CSS and Java script. The workshop took place online on google meet from 5 pm to 7 pm. The workshop was designed for beginners who had little or no prior knowledge of HTML and CSS. The event had over 100 registrations and 60+ attendees, including those from other universities.

Day 1: The workshop's first day was jam-packed with the foundations of web development. The course kicked off with an overview of HTML, CSS, and the fundamentals of web programming. The speaker discussed how HTML and CSS are used to generate web pages and how they complement one another to produce websites that are aesthetically pleasing. Also, the participants learned how to include links and graphics in their HTML sites. The attendees learned about the various ways that web pages may be styled and laid out using CSS. The fundamentals of CSS selectors, properties, and values were covered by the speaker. Also, the fundamentals of programming and JavaScript were introduced. The lecturer went into detail about how JavaScript interacts with HTML and CSS to create interactive, dynamic web sites. The fundamental ideas of JavaScript, such as variables, data types, operators, and control structures, were then explained to the participants. The lecturer demonstrated how to alter HTML elements, manage events, and produce animations using JavaScript. Advanced JavaScript concepts including functions, arrays, and objects were the main focus of the workshop. The attendees learned how to write reusable code using functions as well as how to store and work with data using arrays and objects.

Day 2: On the second day, the participants continued with the mini-project they started the previous day. They had to add more features and functionality to their web pages using JavaScript. The session on JavaScript was led by a seasoned web developer who introduced the participants to the basics of JavaScript programming, including variables, functions, and loops. The participants learned how to use JavaScript to manipulate the HTML and CSS code and make their web pages interactive. After the session on JavaScript, the participants continued with their mini-projects, adding more functionality to their web pages. The facilitators provided support and

guidance, helping the participants to implement their ideas and solve any challenges they encountered.

- **AI-ML Workshop**

The Google Developer Student Club (GDSC), Mody University organized a 2-day virtual workshop on AI and ML on 23rd and 24th March, 2023 that was handled by the ML/AI Team Lead-Priyanshi Jetha and executive member-Daisy Vyas. With more than 30 participants from within Mody University and from other colleges, on both days, the turnout was excellent. They participated actively and with sincerity in the entire workshop. The workshop was aimed at providing attendees with a basic understanding of ML and its applications in various industries along with a hands-on-experience to get better insights.

Day 1: Timings: 6:00 â 7:30 P.M. The first day of workshop covered various topics regarding basic concepts of ML such as some definitions, Steps required during training a model, types of machine learning and difference between Supervised and Unsupervised learning. Basic introduction to Python was given for students those who were new to the language. They did practical side-by-side on their Google Colab notebooks. Fundamentals of Python included arithmetic operations, data types available in python in detail, Conditionals and Loops. Then, participants learned about the necessary ML libraries like NumPy, Pandas, Matplotlib and Seaborn that are widely used in this field. These libraries also help in projects and were useful for Day-2 of the workshop that focused on a simple project with Linear Regression model.

Day 2: Timings: 6:00 â 7:30 P.M. On second day, the participants were given an opportunity to work on a hands-on project where they could apply the concepts they learned during the Day-1 of workshop. Firstly, participants were made aware of Linear Regression model that is a part of Supervised Learning. The link to the dataset was provided to attendees so that they can do the project at the same time. We built a simple prediction system (prediction of scores from given study hours) that included importing of libraries learnt, loading and visualization of data, making a prediction model, testing and evaluation of model.

- **Google Solution Challenge Hackathon**

Google Developer Student Club (GDSC) Mody University organized a Google Solution Challenge hackathon to provide a platform for beginners to kick-start their coding journey and for experienced coders to showcase their skills. The event had 10 teams participating, with a maximum of four members allowed in each team. The hackathon consisted of two rounds - the idea presentation round and the final showcase round. In the idea presentation round, each team presented their unique ideas to the judges. Team Here, To Learn! was declared the winner of this round, based on their innovative and feasible project idea. In the final showcase round, the teams worked on their projects and presented their completed projects to the judges. The final showcase round had three winners. The team PowerPuff secured the first position, while team DevAlpha and team VRV Groups secured the second and third positions, respectively. The winners were selected based on the creativity, complexity, feasibility, and practicality of their projects. The Google Solution Challenge hackathon was a great success, with enthusiastic participation from students. The hackathon provided a platform for participants to hone their coding skills, work collaboratively in teams, and learn new coding concepts. It was an excellent opportunity for students to showcase their creativity and problem-solving abilities.

6.3 GeeksforGeeks MUST Chapter

GeeksforGeeks student Chapters are university based community chapters for students interested in Computer Science and other core technical competencies. By joining the GeeksforGeeks student Chapters, students will have the opportunity to grow their knowledge in a peer-to-peer learning environment and learn building effective and optimized solutions for local businesses and their community as per the latest technology trends. Establishing a GeeksforGeeks student chapter is not a single day task.it requires true leadership skills as well as honest dedication or zeal to work for the betterment of the student community.

Community Guidelines to remember:

Remember you're the torch bearer of your respective student chapter, always stay humble and be confident.

1. Though we have a lot of confidence in you in order to have complete sync with you itis very important for you to report every event or project development that your chapter organize

2. You need to submit report about the events done and progressstatus.

3. The Core team you select should not exceed the length of more than 7-8members.

6.4 Anahata Club

➢ Singing Competition

Date: 21 September 2022

Description: This event was organized by Goonj society at university level where other schools of our university were invited to take part and showcase their talent and win the competition. The faculty coordinator of the singing competition is Mr. Sunnet Gupta.

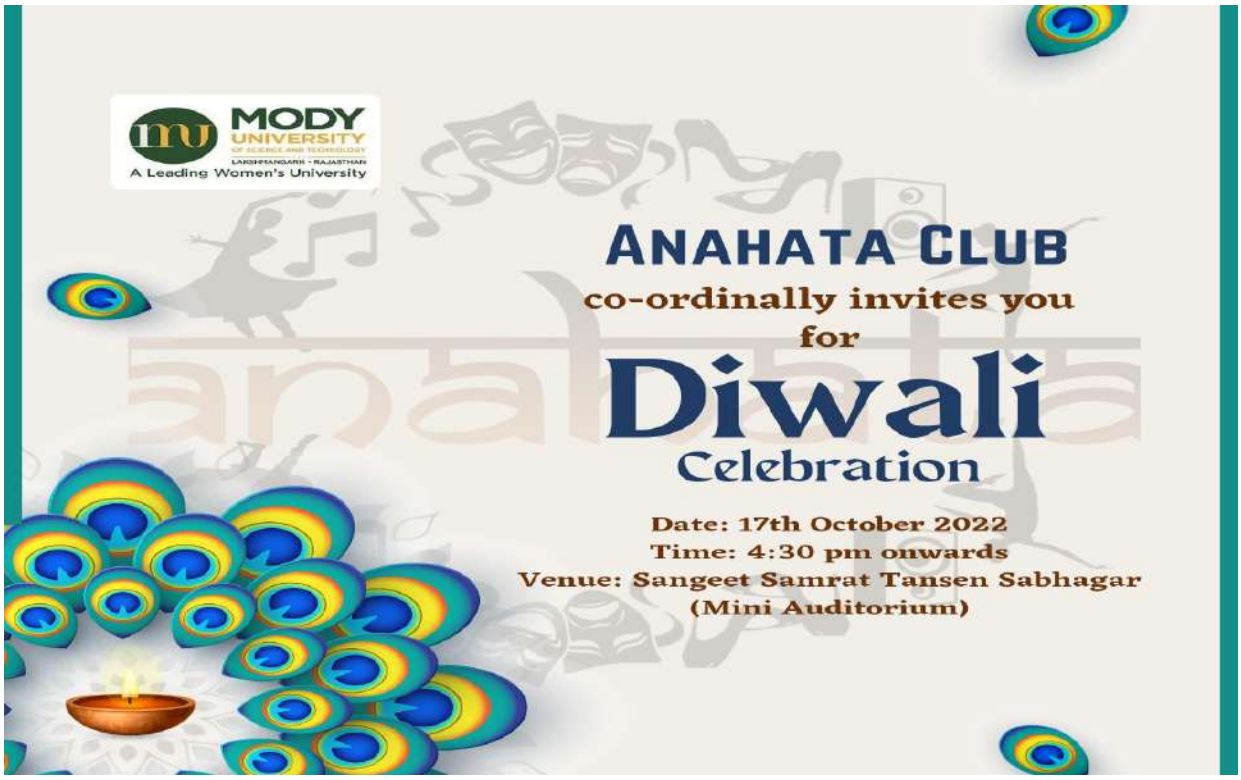
Participants:

Goonj:

- Aadya shrivastav
- Manasvi choumal
- Priyanshi verma
- Tanvi sharma
- Archita raj
- Vanshika shrivastav

➢ Diwali Celebration-2022

Date of event: 17th October 2022



Diwali Celebration was an event organized by Anahata-MUST club to celebrate the victory of lord Rama and his triumphant return to his home. Dr. Rajeev Mathur- Director, Mody University was the Chief Guest for this event. This event was started with lighting the lamp by the Director. The event was conducted at the mini Auditorium. The event was successfully organized by Manvi Sharma and Ekakshi M. Gajbhiye under the guidance of Mrs. Aditi Kajala.

Participants List:

1) Manvi Sharma
2) Ekakshi M. Gajbhiye
3) Nikita Sharma
4) Jaisal Bansal
5) Geetika
6) Muskan Gupta
7) Mansi Mouar
8) Gauranshi Jain

9) Aditi Tiwari
10) Bharti
11) Bhawana
12) Shruti Lodha
13) Tanvi Sharma
14) Priyanshi
15) Muskan Vijay
16) Chetna
17) Ananya Jain
18) Prerna
19) Yashi
20) Trisha
21) Prisha
22) Isha
23) Swati Sharma
24) Leesha
25) Oshin etc,

- **NUPUR- The classical dance competition**

Date of event: 12th November, 2022

"Form seeks to merge with the formless, motions seek to become a part of the motionless, and the dancing individual seeks to become one with the eternal dance of the cosmos."

Anahata Club organized a classical dance competition under the guidance of Mrs. Aditi Kajala in students from all the department of university took part and showcased their talent. The event was held in Mini Auditorium. It covered a Plethora of performances by students of Mody University. The winner was Sabhya from School of Liberal Arts and Science. Entire team of Silver Steppers performed as well as organized the event very well.

List of participants:

1. Ganesh Vandana – Meenal Jain
2. Oshin (slas)
3. Pratyaksha (set)
4. Filler dance by Manvi, Ekakshi, Nikitta and Jaisal
5. Sabhya (slas)

6. Ananya Jain
7. Aishna (set)
8. Nihal Mangal (set)
9. Shreya
10. Aradhna
11. Kashish(slas)
12. Chestha (set)


MODY
ANAHATA CLUB
cordially invites you
for
Nupur 2022
Classical Dance Competition


MODY
ANAHATA CLUB
4:30 pm onwards

➢ Meet and Greet (Orientation)

Parichay 2022 was an offline orientation event organised by Anahata on the 16th of November. It covered a Plethora of performances by different cultural societies of Mody University. This event not only subjected the newcomers to a fun-filled evening but also exposed them to the multiple cultural societies under Anahata and their power-packed performances and gave them an opportunity to decide for themselves which society they belong to based on their interests and inclination. On this day, Anahata showed a glimpse of what the society is going to offer to the fresh batch.

Participants:

- Silver Steppers:

1. Meenal Jain
2. Lavina Garg
3. Ekakshi M. Gajbhiye
4. Ruchi Jain
5. Riya Babel
6. Umang Gupta
7. Siddhi
8. Trrupti Singh
9. Monalisa Choudhary

10. Aksha Khandelwal
11. Isha Gupta
12. Swati Sharma
13. Vedika Singh
14. Chetna Mishra
15. Nidhipa Jhanwar

- **Hoofers:**
  1. Bhavya Arora
  2. Vanshika Dadhich
  3. Pragya Gautam
  4. Yushita Bansal
  5. Priyanshi
  6. Khushi Bafna
  7. Rishita Sharma
  8. Chiranshi
  9. Ankita Sil
  10. Ishika Modi
  11. Teesta Singh
  12. Sakshi Jakhetia

13. Pranjal Makwana
14. Rashika Singh
15. Sakshi Singh
16. Shruti Lodha
17. Vandita Mohil
18. Vishakha Sharma
19. Jahanvi Sharma
20. Jahanvi Pant

- **Black Pearls**
  1. Ira Kaushik
  2. Manvi Sharma
  3. Nikita Sharma
  4. Prachi Dadhich
  5. Mansi Mouar
  6. Muskan Gupta
  7. Tejasvita Chundawat
  8. Aashita Agrawal
  9. Archita Kadambiya

- **BIS :**
  1. Vaidehi Shringi
  2. Muskan Purohit
  3. Kirti Choudhary
  4. Isha Jain
  5. Yeshika Tibrewal
  6. Yachna Mittal
  7. Anchal Naraniwal
  8. Sonal Kumari
  9. Shruti Deora
  10. Anu Tomar
  11. Sapna Rathore
  12. Prachi Sharma
  13. Mridu Arora
  14. Cheshta Gupta
  15. Mahi Verma
  16. Saumya Mittal
  17. Vanshika Sethi

- **Goonj**

1. Isha jain
2. Jaisal bansal
3. Manasvi choumal
4. Aadya shrivastava
5. Rhea poddar
6. Tanvi sharma
7. Priyanshi verma
8. Vanshika shrivastav
9. Aanchal
10. Prerna gaur
11. Suhani tiwari

- **Essence**
  a. Priyanshi
  b. Lavina garg
  c. Ankita Srivastava
  d. Nancy Tindwani
  e. Chirranshi
  f. Bhavya Arora
  g. Jaisal
  h. Anusha Agarwal
  i. Shubhi Jain
  j. Taneesha Mathur
  k. Monalisa Choudhary
  l. Pavi Sharma
  m. Aksha Khandelwal
  n. Hanshu Yadav
  o. Mansi Mouar
  p. Khushi Kalra

q. Mihika Singh
r. Anchal Maheshwari
s. Gargi Paliwal

- **Bits Pilani**

Date: 19th - 23rd Nov 2022
Description:
Three Socities of Anhata had taken part in this competition:

BLACK PEARLS- We did a Contemporary dance with strong creative elements, giving artistic freedom to the dancers. It was performed on an instrumental series of songs. This performance took place in the BITS campus auditorium.

NAME OF THE PARTICIPANTS -
Ira Kaushik
Manvi Sharma
Nikita Sharma
Prachi Dadhich
Mansi Mouar
Muskan Gupta

Gauranshi Jain
Aashita Agrawal
Gargi Agrawal
Khushi Kalra

BIS- The students of BIS performed the nukkad natak "Aadha Sach" in BITS Pilani, which was centred on deceptiveness of the media.

Participants and Organisers:

Jitisha Advani Shruti Lodha

Muskan Purohit Sneha Goel

Kirti Choudhary Chhavi Pareek

Ruchi Jain Mridu Arora

Isha Jain Apurva Jain

Yeshika Tibrewal Kratika Goel

Nishtha Parnami Snehal Jain

Aakriti Roshan Saumya Mittal

Pragya Kochar Udisha Tarsolia Prachi Sharma Vanshika Sethi

HOOFERS

Hoofers performed a western dance in BITS Pilani, basically it was a combination of hiphop, locking and freestyle dance form.

Participants and Organisers:
Priyanshi
Yushita
Vanshika Dadaich
Khushi
Ankita Sil
Teesta Singh
Ishika Modi
Jhanvi sharma
Shruti lodha
Rashika Singh
Bhavya Arora
Bhoomika Mina
Vishakha Sharma
Vandita mohil
Pragya
Pranjal Makhwana
Jahanvi Pant

- **Utkrishta**

Date: 27th Nov 2022

Description: The opening performance of Utkrishta was a captivating display of classical dance. The stage came alive as our dancers gracefully moved in sync with the enchanting music,

mesmerizing the audience from the very first step. The seamless coordination and expressive storytelling captivated everyone's attention, setting the tone for an unforgettable evening.

Participants:
Vedika Singh
Isha Gupta
Nidhipa
Swati Sharma
Aksha Khandelwal
Trrupti Singh
Vanshika Shrivatsava
Meenal Jain
Riya Babel

- **Recruitment**

Date: 29th Nov 2022 to 1st Dec 2022
Invitation: Poster
Description: Recruitment is conducted by the core members of the team every year where everyone is given a fair opportunity to show their talent and the best artists are welcomed to the team. This year it was conducted on 29 November 2022, Many students from all years came for recruitment.

- **FDC**

Date: 22 Jan 2023

Description: Founders day was celebrated in our main auditorium.The event was started by the Saraswati Vandana along with the kulgeet of our university. Many different types of events were also performed by the students of our university. FDC was coordinated by Mrs. Aditi Kajala. Members of Anahata participated in it. This year's theme for dance was NavRasa. Members were seen performing in different Rasa.

Participants:

1. Nihal Mangal
2. Natasha Gautam
3. Vidhi Naik
4. Diaa Sehra
5. Aishna Birla
6. Yashika Harlalka
7. Vedika Singh
8. Isha Gupta
9. Swati Sharma
10. Jaisal bansal
11. Aadya
12. Vanshika shrivastava
13. Priyanshi verma
14. Rhea poddar
15. Archita raj
16. Shweta Aggarwal

- **Republic Day Celebration**

Date: 26 Jan 2023
Description:
On the occasion that commemorates the adoption of India's constitution and the country's transition, the Anahata students staged the Street play in the form of mime.

BIS:

1. Aakriti Roshan
2. Sonal Kumari
3. Anu T omar
4. Shruti Deora
5. Komal Gupta
6. Pratyaksha Joshi
7. Bhuvi Jain
8. Vanshika Jadaun
9. Rijul Chaudhary
10. Siddhi Agrawal
11. Vidhi Naik
12. Minal Agarwal

Mentor:-Kirti Choudhary

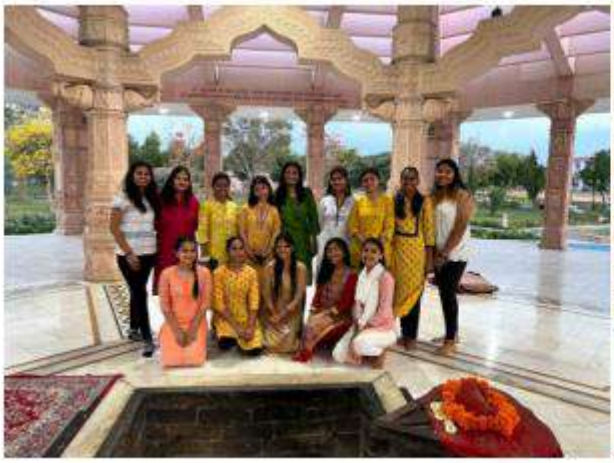
- **Bhajan Sandhaya**

Date: 24 March 2023 and 28 March 2023

Description: Bhajan Sandhaya was organized at Tapovan of our university during the week of Navratri. Bhajan refers to devotional songs with religious themes or spiritual ideas. Along with the Goonj members other students, teachers and deans of various schools were also present there. The event was successful under the guidance and support of Dr. Purnima Sharma.

Participants:
Goonj:
Ishita Kavitkar
Aadya Srivastava
Isha Jain
Rhea Poddar
Priyanshi Verma

Trrupti singh
Tanvi sharma
Vanshika Shrivastav
Suhani Tiiwari
Prerna Gaur
Nidhipa Jhawar
Diaa Sehra
Kunika Singh
Sakshi
Pallavi Mishra
Cheshta singh




- **SET Farewell**

Date: 8 May 2023

Description: The SET department at Mody University held its Farewell for the passing out seniors of batch 2023 and a Post Giving Ceremony on 8th May 2023 to elect the new post bearers. The newly-elected members for the coming term are: Mansi Mouar, Rhea Poddar and Ankita Sil. Our farewell was organized under the theme "red carpet". This year has been exceptional and well appreciated by the audience. All societies presented their beautiful songs and seniors were overwhelmed and also entertained with some mini activities. We concluded our farewell by celebrating at Hotel Vinayak Resort for dinner and songs! Farewell was organized under the able guidance of Mrs. Aditi Kajala.

Participants:
Black Pearls:

1. Mansi Mouar
2. Muskan Gupta
3. Rupali Maheshwari
4. Tejasvita Chundari
5. Swaliya Khan
6. Aashita Agrawal
7. Archita Kadambiya
8. Gargi Agrawal
9. Deepali Mittal
10. Kumkum Saini
11. Palak Jain
12. Leesha lalwani
13. Varsha Garg

BIS:

1. Shruti Lodha
2. Mridu Arora
3. Prachi Sharma
4. Pratyaksha Joshi
5. Avni Gaur
6. Bhakti
7. Muskan
8. Kavya
9. Kirti Choudhary
10. Sonal Kumari
11. Aakriti Roshan

Essence:

1. Monalisa Choudhary
2. Pavi Sharma
3. Mitali Soni
4. Aksha Khandelwal
5. Mansi Mouar
6. Ankita Sil
7. Susan George
8. Nyasha Gupta
9. Deevyanshi Jain
10. Hanshu Yadav
11. Vasudha Choudhary
12. Mihika Singh
13. Aanchal Maheshwari
14. Harshita Mathur
15. Arpita Vason
16. Aishna Birla
17. Palak Jain
18. Shweta Agarwal

Goonj:

1. Priyanshi verma
2. Rhea poddar
3. Tanvi sharma
4. Archita raj
5. Suhani tiwari
6. Trrupti singh
7. Vanshika shrivastava
8. Chestha singh
9. Faiza shaikh
10. Pallavi mishra
11. Diaa sehra
12. Sakshi
13. Kunika singh

Hoofers:

1. Ankita Sil
2. Ishika Modi
3. Teesta Singh
4. Sakshi Jakhetia
5. Rashika Singh
6. Pranjal Makwana
7. Pragya Sharma
8. Sakshi Singh
9. Shruti Lodha
10. Vandita Mohil
11. Vishakha Sharma
12. Jahanvi Sharma
13. Prakariti Kulshreshtha
14. Aastha Kukreja
15. Neha Saini
16. Sanya Gupta
17. Bhakti Goyal
18. Muskan
19. Avni Gaur
20. Rajnandani Rathore

Silver Steppers:

1. Aksha khandelwal
2. Trrupti singh
3. Vanshika shrivatsava
4. Swati Sharma
5. Vedika singh
6. Isha gupta
7. Chetna mishra
8. Sejal soni

9. Aishna birla
10. Anjali yogi
11. Pratyaksha joshi
12. Ojaswi
13. Diaa sehra
14. Vidhi naik
15. Ananya jain
16. Nihal Mangal
17. Yashika Harlalk

7. OTHER EVENTS

7.1 ORIENTATION-SET, 2022

Student Induction Program-2022
(August 30 to September 03, 2022)

Day 1 (30-8-2022)

At 9.30 AM Student are assembled in room ABB-01 and Our compere Dr. Suneet Gupta started the event by congratulating students on behalf of the university and invited Dr. Prateek Bhanti (Dean-SET), Dr. Vinod Maan(HOD-CSE), Dr Rajeev Pourush(HOD-ECE), Dr. Sunita Kumari(HOD-EE), Dr. Sandeep Jaiswal(HOD-BME) and Dr. Vikrant Sharma(Coordinator) to come on dice. Then Dr. Prateek Bhanti (Dean, SET) welcomed the students with his motivational and informative speech. His speech inspired the students to make the new beginning with full enthusiasm. Then at 10.15 AM, Dr. Vinod Maan (HOD-CSE) narrated about Computer Science Department and its achievements and told about its different resources. Then, Dr. Rajeev Pourush (HOD-ECE) expressed a welcome to newly admitted students and talked about Electronics Department and its curriculum. Then at 10.45 AM, Dr. Sunita Kumari (HOD-EE) presented about Electrical Engineering department and the presentation included detail about the departments and the achievements of pass out students. At last at 11.00 AM Dr. Vivek Pandey from Mechanical Engineering department addressed the students and talked about real world need and applications of Mechanical Engineers and he also differentiated key roles of scientists and engineers in the society.

From 11:30 a.m. student were divided in four groups and they are instructed to go to different laboratories of different department .In this manner one group of students performed proficiency activities in ECE Lab, Second in EE Lab, Third in Mechanical workshop and Fourth in Biomedical Lab. Some of the activities are done by students itself like making of pen stand in mechanical workshop etc. and Faculties in charge were guiding them all the time.

EC Lab

ME Lab

EE Lab

BME Lab

From 3.00 PM Dr. Asha Acharya addressed the gathering and communicated the students how soft skills are very necessary in their career development and placements. She encouraged the students to observe small things and how these observations will be helpful in learning apart from their curriculum. It was quite interactive and interesting for students.

At 5.30PM onwards students were assembled in the playground and AGM Sports spoke with them and a session about self-defense techniques was conducted and students practiced and enjoyed the event.

Day 2 (31-8-2022)

9.30 AM Student are assembled in room ABB-01 and Dr Vikrant Sharma, Coordinator 1st Year B-Tech Program interacted with the student gave his presentation on the academic curriculum of 1st Year B-Tech program. Then Dr Vivek Pandey from Mechanical Engineering department addressed the students on Universal Human Values from 10am to 11am.

DAY 3 (01-09-2022)

The event began with the arrival of Dr. Suneet Gupta, wherein he started the event. Other faculty members, Dr. Anand Sharma, Mr. Siddhanta Kumar Singh, Dr. Jeetu Sharma, Dr. Vivek Pandey were also present.

More than 90 enthusiastic students attended the session. The session started with theintroduction of Dr. Jeetu Sharma, she talked about the various clubs, which are running in Mody University of Science & Technology. She promoted students to bea part of these clubs & describe how it will benefit them.

After this session Dr. Suneet Gupta invited Dr. Vinod Maan (HoD CSE & chief warden), she discussed the hierarchy in the hostel & the rules, that have to be followed in the hostel. She stressed the timing of the hostel & displayed the contactdetails of the concerned authorities. Outing rules & regulations were also discussed.There were some doubts among the student related to the outing at Jaipur, which was answered by the madam.

After this activity, students went for lunch & the next session started at 03:00 P.M. Dr. Suneet Gupta invited Dr. Purnima Sharma, who is in charge of a club (Karuna Club) where they interact with the physically challenged & underprivileged kids, and they spent time with them & give some stuff to them. Dr. Purnima Sharma gave a presentation about her club & said that they will meet those kids in future & she expressed that the students should make stuff such as paper bags for those kids.

DAY 4 (02/09/2022)

All schools common induction program (Time: 11:00am, Venue: Mini auditorium):

The second event of the day started at 11:00 am where the students from all the schools of the university gathered in the auditorium. The program was hosted by Dr. Sangeeta Jhajharia. The program started with Saraswati vandana followed by Mody University kulgeet. Our respected Director, Prof. (Dr.) Rajeev Mathur inspired the new comers and explain the importance of learning. He also mentioned how significant it was for the students to come to the college during the time of holi Ganesh festivals which symbolizes the new beginnings, prosperity and intelligence. Prof (Dr.) N.K. Maheshwari , Dean Admin, inspired the students by saying how powerful, worthy and winner each of them are as they had already won the fights among millions even before their birth. Ms. Harsha Rohit, Founder Principal, SEFS, explains the brief introduction of SEFS and how much important it is for the students in the society. Some of models in the curricular like fine dining, ballroom dancing, grooming and act of maquillage etc were also highlighted.

DAY 5 (03/09/2022)

This was the last day of the Student Induction Program. The day started at 9:30 p.m. with the talk by Dr. Vivek Pandey. Then there was a short address by Chief Warden, Dr. Vinod Maan, it started at 10:30 p.m. The final event was taking feedback of the entire Orientation program. For this Dr. Suneet Gupta distributed the feedback form to the students at 11:30 am. After half an hour or so Dr. Suneet Gupta collected back the forms.

7.2 INDEPENDENCE DAY CELEBRATION

Independence Day reminds us of all the sacrifices that were made by our freedom fighters in order to set India free from British rule. Since the whole country was under lockdown, BIS the drama society of Mody University celebrated the momentous event by using the online platform of Microsoft teams. BIS had presented 3 inspirational monologues to motivate students with the message to pay respect to all the leaders who fought bravely for our nation's freedom in the past. We celebrated our 76th Independence Day with joy and enthusiasm. We, the members of Anahata actively participated in the Independence Day celebrations, showcasing our patriotic spirit. Hoofers presented a captivating national dance performance, imbued with a sense of spirituality and pride.

Participants:

Black Pearls:

1. Mansi Mouar

2. Muskan Gupta

3. Gauranshi Jain

4. Tejasvita Chundawat

BIS:

1. Aakriti Roshan

2. Shruti Deora

3. Anu Tomar

4. Nishtha Parnami

5. Mridu Arora

6. Disha Reshu

Hoofers:

1. Ankita Sil

2. Rishika Sharma

3. Shreya Singh

4. Nyasha Gupta

Silver Steppers:

1. Trrupti Singh



7.3 SET FRESHERS 2022

A report by Ms. Susan George, Freshers Student Coordinator

Mody University, Laxmangarh, October 2: Every student eagerly awaits right from their time of admission for the most remarkable event of college life "FRESHER'S PARTY". The 20th of September 2022 was as a memorable day in the life of every fresher of academic years 2021-2022 and 2022-2023 batches at the School of Engineering and Technology, Mody University. The fresher's day was filled with excitement, joy, music, enthusiasm, laughter, and happiness.

It is the day when seniors and juniors finally bond and unite to celebrate being part of the college. Light is considered very sacred and a symbol of prosperity, in the same way as sunlight not only dispels the darkness of night, it brings blessings and happiness into our lives. The inauguration of the event started with the kindling of the lamp by our dignitaries Dr. Rajeev Mathur, Director of Mody University of Science and Technology, Dr. Prateek Bhanti, Dean School of Engineering and Technology, Dr. Vikrant Sharma, first-year coordinator, and Mrs. Aditi Kajala.

Then our dignitaries Dr. Rajeev Mathur, Director of Mody University of Science and Technology, and Dr. Prateek Bhanti, Dean School of Engineering and Technology, were invited on the stage to address the gathering and felicitate "SET Miss Freshers 2022" competition judges Ms. Mrittika Sarkar(trainer SEFS), Ms. Nikita Baheti(trainer SEFS), and Ms. Hamjali Raijung(trainer SEFS).

The hosts for the evening were Ms. Ria Singh from B.Tech. 2nd year, Ms. Antra Rajpurohit from B.Tech. 3rd year and Ms. Susan George from B.Tech. 3rd year.

Various cultural events like singing, dancing, acts, and the flash mob took place, where the opening act of dance was performed by Ms. Gargi and group, followed by a solo dance by Ms. Shruti, a solo song by Ms. Archita, a duet song by Ms. Prerna and Ms. bhavya, games by Ms. Tamannah, solo dance by Ms. Mihika Singh and solo dance by Ms. Gargi Paliwal.

Miss fresher's competition themed "The four elements of nature" was held in 3 rounds including elimination. First was the Modelling round which focused majorly on criteria like relevance to the theme, confidence, posture, grace, body language, and sense of the rhythm of which 10 participants were selected for the next talent round which focused majorly on criteria like confidence, presentation, overall appeal and showmanship of which 5 participants were selected for the last question and answer round which focused majorly on criteria like context, confidence, presence of mind and grasp on the language.

The results were declared at the end where four winners, two miss freshers, and two runner up miss freshers from each 1st and 2nd year were crowned. The crowning and sash ceremony was done by Miss Taneesha Mathur, miss Fresher 2019, and miss Anusha Agarwal runner-up miss Fresher 2019.

Dr. Rajeev Mathur, Director of Mody University of Science and Technology, Dr. Prateek Bhanti, Dean School of Engineering and Technology, and Dr. Vinod Maan, CSE Head of the department were invited on stage to felicitate the winners.

The main faculty coordinator Mrs. Aditi Kajala and student coordinators Ms. Susan George and Ms. Mansi Mouar from B.Tech. 3rd year organized SET Freshers 2022 event. Such an amazing event could not be successful without the help of each member of the fresher's committee.

The event ended with Dance, DJ music, and EDM where all the students danced to the beats removing all the stress and enjoying pure bliss moments.

Set freshers 2022 organized by SET 3rd year students was a successful event that received positive feedback from 2nd and 1st-year students.














SET

7.4 FELICITATION CEREMONY 2023

The School of Engineering and Technology (SET) organized a felicitation ceremony on May 06, 2023 to encourage the final year students on their various achievements. It was held in the Swami Haridas Sabhaghar. The ceremony was initiated with Lamp lighting by the Director-MUST, Dr. Rajeev Mathur, Dean SET, Dr. Prateek Bhanti, and GM CDC Mr. Sudhanshu Sinha. Next, the University theme song, Kulgeet, was sung, followed by Ganesh Vandana, to destroy all obstacles before our ceremony could begin. Proceeding forward our audience was blessed with Dean SET wisdom full speech. This was then relayed by Director-MUST, Dr. Rajeev Mathur, who boosted the audience with enthusiasm and confidence. The students of Anahatha and Goonj societies displayed graceful, glamorous, and speechless acts and performances including energy-packed duet performance by the Hoofers, various dance performances by Black Pearls and Silver Steppers, ended with everyone on stage dancing in joy and happiness upon the success of the event.

The most awaited and major event of the evening commenced with felicitation of the graduating students for their achievements in placements by the Director, Dean Sir. and GM CDC. Prof. Vinod Maan, Chief Warden and HOD (CSE). All the achievers were delighted with the encouragement they received and rejoiced in their delight with a group photo and a fun-filled dance with all of their friends. It was indeed a memorable evening.


2021-22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School of Engineering & Technology
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Felicitation
Your precious presence is highly solicited!

7.5 MODY SCHOOL VISIT

On December 8, 2022, students from the Mody School XII class were invited to attend a workshop and visit organized by SET. The students were given a comprehensive overview of the Mobile Application Development process. There were 42 students who took part in the workshop. Following the completion of the workshop, each student was provided with the opportunity to explore the SET laboratories.

7.6 MNIT (MALAVIYA NATIONAL INSTITUTE OF TECHNOLOGY) TOURNAMENT A TEAM REVIEW

There is a great saying by'Heywood Brown' that "Sports do not build character, they reveal it", and after participating in one the biggest extravaganza in the country i.e., MNIT (Malaviya National Institute of Technology) Tournament , many of us have discovered a new self, a new vision about challenges and difficulties & how to overcome that with a positive mindset. It also taught us the true spirit of sportsmanship and to rightfully embrace wins and losses .The event was officially declared open on the march 23, the opening ceremony was filled with intensity, courage, teamwork, and excitement, it had everything that epitomizes sports. Mody University won numerous sets in different sports (basketball, kabbadi) Day 2 was nothing short of a rollercoaster, the participants witnessed all emotions: highs and lows, wins and losses. The atmosphere was electrical, with cheers and chants filling the air along with palpable excitement and contagious energy. Nevertheless playing like champions all the students showed tremendous grit and determination to overcome the odds. On day 2 to the odds were in our favor and we won various sets (like volleyball, kabbadi, basketball, lawn tennis). As this ride continues for 2 more days, the next day (Day 3) was a sheer display of talent & quality level of our players bloomed, with most of the teams going well into the knockout and heat stages. As Day 4 took shape, the semis and the finals ensured a captivating end to all our zeal & enthusiasm. The day went well securing 1st position in kabbadi, 2nd position in lawn tennis, 3rd position in volleyball

and basketball, participation in table tennis and we made to the quarter finals in badminton. Various unofficial competitions were organized as well, like tug of war and satoliya, where we won the 1st position in tug of war. A surfeit of sporting events at this tournament, it was an emotional, action-packed five-day experience which taught us various lessons and gave a massive boost to our confidence .We would like to thank all our Mentors, Coaches, and especially this university which has provided us with such a thrilling platform to perform upon and for furnishing our skills and confidence.

KABBADI -1ST

BASKETBALL -3RD

VOLLEYBALL-3RD

LAWN TENNIS-2ND

BADMINTON-PARTICIPATION

7.7 STUDENT ACHIEVEMENTS:

- Ms. Ritika Malik, a BTech 3rd -year Computer Science and Engineering (Big Data Analytics specialization), securing the 5th position in JGEC Winter of Code 2023 (JWoC) and getting the prestigious flight ticket scholarship to ISET Singapore 2023.

  JWoC is a coding event organized annually by JGEC (Jalpaiguri Government Engineering College) that helps students to plunge into Open Source contribution and get into the realm of Software Development.

  The program began with an initial phase of community bonding before introducing the set of projects to the mentees. The coding phase started on February 15th, '23 and the projects were made accessible for contribution. She worked on over 70 issues throughout the entire contribution period and 66 Pull requests were successfully merged. The contributions included easy, medium as

well as hard level enhancements. After a month full of grinding, the coding period came to an end on 16th March'23.

Among the 1700+ enrolled mentees, she was able to secure the fifth spot on the leaderboard. She was additionally acknowledged as the second-most favorite mentee of the program.

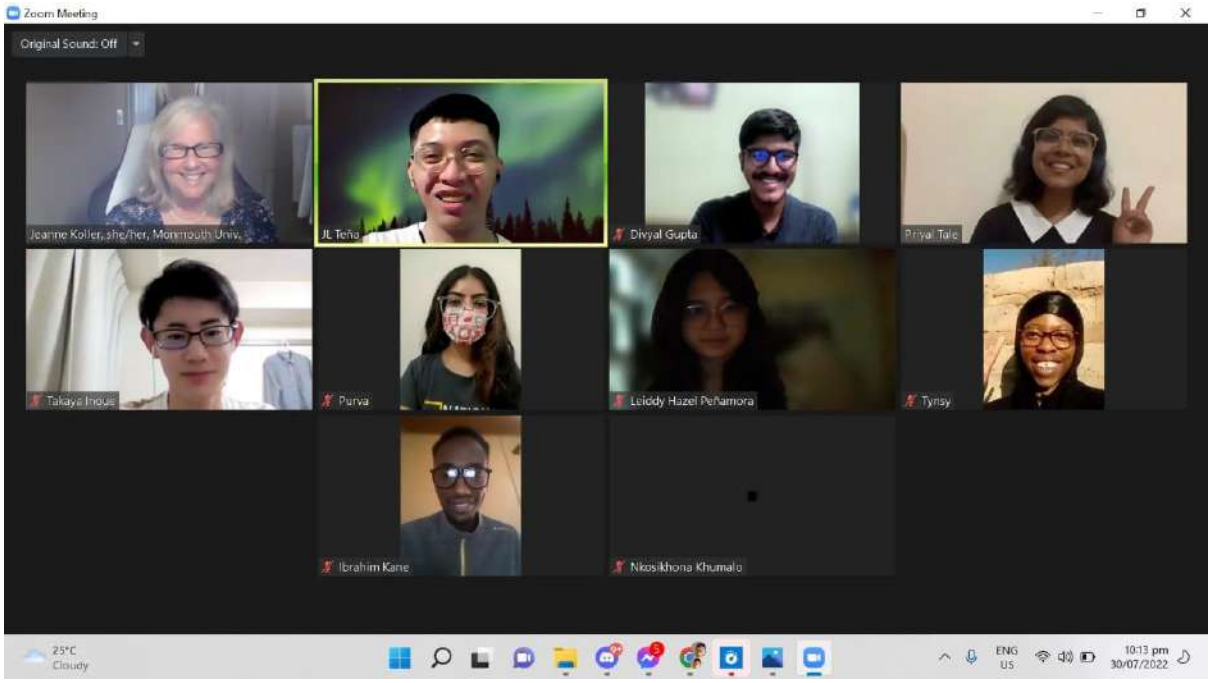
As a reward, she have won the prestigious Flight ticket scholarship to ISET 2023 Singapore by Learn While Travelling (LWT). LWT is India's No.1 EduTour Company that aims to give global exposure to students, budding startups, and startup enthusiasts across PAN India by taking them abroad on a 7-10 days study tour. It's an opportunity where students and startup enthusiasts are juxtaposed with Internships, Workshops, Pitching, and a lot of networking activities. She is also eligible to apply for the additional scholarship on their platform.

The JWoC also offered the following additional rewards:

- T-Shirt from Commudle
- T Shirt from TakuUForward
- One year free .xyz domain (code: JGEC23)
- Internship Opportunity at Sashido

➢ MS. Purvasri Das, a BTech 3rd-year computer science student, WIE IEEE Chairperson was one of the 20 international students selected for the 68th International Student Conference. The conference will take place in Osaka, Japan. International Student Conference (ISC) is an organisation established in 1954, where international exchanges and discussions occur. Students from around the world are invited to Japan each year, where they discuss solutions to world issues. Participants research and discuss their final solutions during the Final Forum.

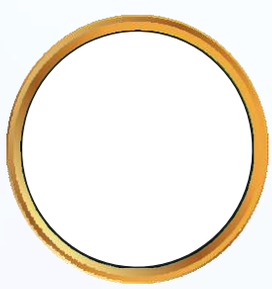
At the final forum, students present the outcome of their research to the general public and can submit their solution as a proposal to the Japanese government.



➢ Ms. Purvasri Das, BTech 4th-year computer science student, WIE IEEE Chairperson **Was one of the 20 Indian students** selected for Hack the Innovative Future. It was a 900-km long venture-based Ideathon – Hack the Innovative Future along with 20 Indian and 20 Japanese counterparts between New Delhi and Varanasi, Sep 16-24. The Steering Committee of 70th Anniversary of the Establishment of Japan-India Diplomatic Relations" consists of the Embassy of Japan, Japan Association Delhi, Japan Chamber of Commerce and Industry in India (JCCII), Japan Foundation New Delhi, JETRO New Delhi Office, JICA India Office and JNTO Delhi Office, is organising this event. Starting September 16, youths from Japan and India got together under the youth exchange program in New Delhi to participate in 900km venture-based Ideathon "Hack the Innovative Future" that will culminate in India's temple city Varanasi on September 24.

- Ms. Purvasri Das, a BTech 4th-year computer science student, IEEE WIE Chairperson, **was one of the 40 international students** selected for the 16th Bucharest Summer University. The program took place in Bucharest, Europe. The Bucharest Summer University is the official summer school of the Bucharest University of Economic Studies organised annually by the Bucharest University of Economic Studies Students' Union (USASE) and the ASE Students' Senate, with the academic mentorship of one of the eleven faculties from our university. Besides the two weeks of classes, this

event represents a great opportunity for the participants to discover a new culture through a series of planned recreational events and challenging activities, such as: Bucharest City Tour, an adventurous trip in Romania, team buildings, social events, Global Village (a presentation of each participant's country in our project, an exhibition and tasting of traditional products) and many others.



Mody University of Science and Technology

University town of Lakshmangarh (Sikar), Rajasthan-332311, India

Contact: +91-9119195001/2/7/11 I **TollFree:** 18001024000

E-mail:dean.set@modyuniversity.ac.in

www.modyuniversity.ac.in