

# Quarterly Newsletter (January- March)



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Founder's Day Celebration in MUST











Mody University of Science and Technology celebrated its Founder's Day from 22nd January to 26th January 2023. On the first day of Founder's Day Celebration (FDC), the 15th convocation of Mody University was organized with enthusiasm. During this, degrees were awarded to PhD, graduate and postgraduate students passed out from the University. During this, NITI Aayog member Dr. VK Saraswat graced the occasion as the chief guest to encourage the girl students. The University Chairman Shri Rajendra Prasad Mody honored him by presenting Bhagwat Gita. The Chief Guest Dr. VK Saraswat while congratulating the students said that the coming time is full of challenges with limitless possibilities. He said that there is a need to increase the participation of women in every field. Mody University is doing a great job in this field. Cultural programme was organized in the evening. On second day Mr. Siddharth Mishra and group performed musical evening.

Bhakti Prabha ji narrated Ram Katha as part of the spiritual discourse program on the second & third day of the FDC.

The annual sports festival was organized in the sports arena of Mody Vidyalaya. On this occasion, Sikar's Deputy Inspector General of Police Mr. Kunwar Rashtradeep was present as the chief guest. On the same day Standup comedian, Amit Tandon gave performance in MUST. On the last day of FDC, republic day was celebrated in the University.









# Navsamvatsar Utsav and Shri Ram-Janmotsav



On the occasion of Navvarsh, Mody University of Science and Technology organized Navsamvatsar Utsav and Shri Ram-Janmotsav (from 22.03.23 to 30.03.23) for nine days with the overall responsibility assigned to Dean SLAS Prof. (Dr.) Jitendra Binwal), Dr. Rajeev Mishra, Dr. Renu Devi, Mr. Rajeev Singh (PRO) and coordinator from each school including MS under the

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guidance of Director. 1. Every day from 9:00 AM to 11:00 AM Shri Amod Tiwari (Tapovan Priest) organized Navanha Parayan of Ram charitmanas at Shri Ramdarbar. The Director, Deans, students, faculty, staff and family members have participated to explore the essence of spirituality and inner peace.

2. Every day at 5:00 PM, the students, faculty, staff and

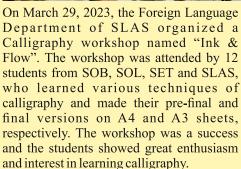


family members would gather in Tapovan-Ygyashala for Bhajan Sandhya from 22.03.203 to 29.03.23. Everyone including Mody School had participated with full enthusiasm. Students played instruments and sang lot of Bhajans of Lord Rama, Lord Krishna, Mata Rani. The charming evenings gave an eternal peace of mind with full of positive vibes. Everyone had sensed the bliss in the air during

these events. On the 9th day (30.03.2023) there was a Shri Ram Yagya by 11 Vedic priests from Jaipur. The Director, Deans, students, faculty, staff and family members gathered in Tapovan-Yagyashala for the same. A video of Navratri festival celebrated by Mody University of Science and Technology under the aegis of SLAS was prepared by BAJMC SLAS students.

## Calligraphy workshop "Ink & Flow"





Workshop Details: The workshop began with the introduction of calligraphy by Ms. Akina Seki, who also taught calligraphy step by step and with great patience. She demonstrated various techniques and styles of calligraphy and explained the process in detail. The students were provided with the necessary tools and equipments including ink, pens and paper to practice and create their calligraphy art. The students put in their best efforts and showed great creativity in their work. They practiced the techniques and styles they had learned from Ms. Akina Seki and made their pre-final versions on A4 sheets. After completing the pre-final versions, the students were given an opportunity to refine their work and make

their final versions on A3 sheets. A Photo session was also done to capture the

The presence of Mr. Rajeev Kumar Singh, University PRO and Dr. Vinay Kumar Singh, HOD Foreign Languages, added to the success of the workshop. They motivated the students with their words and encouraged them to pursue their interest in calligraphy. Mr. Rajeev Kumar Singh appreciated the efforts of the students and emphasized the importance of such workshops in enhancing creativity. Dr. Vinay Kumar Singh gave a vote of thanks.

# International Year of Millets (2023) Celebration

## A Summit On Aahar Kranti: Uttam Aahar, Uttam Vichar





Department of Biosciences, School of Liberal Arts and Sciences, Mody University of Science and Technology celebrated International Year of Millets 2023 and organized a summit on Aahar Kranti: Uttam Aahar, Uttam Vichar in collaboration with Vijana Bharati (VIBHA) Jaipur, M.K. Group of global education Sikar, and Govt Science PG college Sikar dated 11/03/2023. The purpose of the program was to spread awareness about the importance and health benefits of millets in daily life.

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Welcome ceremony started in Sangeet Samrat Tansen Sabhagar at 10:00 AM. It was followed by exhibition visit in which students exhibited some food products made using millets such as Ragi Barfi, Bajra Laddu, Buckwheat Crackers, Bajra Cake as well as some food models displaying nutritional significance and health benefits of different types of millets were presented.

In Sabhagar, Director of MUST Prof. (Dr.) Rajeev Mathur, Dean, SLAS- Prof. (Dr.) Jitendra Binwal, HOD Biosciences: Dr. R.S. Chundawat, Dr. Sunidhi Mishra, Dr. Rakesh Kumar Verma, Mr. Rajeev Singh and guest for summits; Sri Swant Ranjan Ji (Akhil Bhartiya Bauddhik Pramukh), Dr. Meghendra Sharma (Secretary VIBHA), Prof. (Dr.) Mukta Agarwal (University of Rajasthan, Jaipur), Mr. Manish Dhaka (Chairman M.K. Group of global education), Dr. Chetan Joshi (Associate professor, Govt Science College Sikar) graced us with their presence.

There was a colourful welcome of our guest with bouquets followed by lamp lighting ceremony. It was accompanied by a melodious Saraswati Vandana, hailing the goddess of knowledge and wisdom followed by the MUST Kulgeet. A small performance of Bharatnatyam devoted to the Goddess Durga was also performed.

A documentary directed by Mr. Rajeev Singh



elucidating the use of Bajra (Millets) in Rajasthani culture, some words on the contribution of India in millet production were said by Prof. (Dr.) Jitendra Binwal Dean SLAS, the issue of obesity and role of millets in its management was brought up by Dr. Sunidhi Mishra, Dr. Rakesh Kumar Verma talked about the involvement of millets in cancer prevention. The documentary also touched upon the Initiative of the Prime Minister of India to inculcate millets in the daily diet of a person and therapeutic importance of millets.

Welcome address was given by Dr. Sunidhi Mishra, Assistant Professor (F&N) SLAS and outlined the further proceedings of the summit. It was followed by an extempore by Director MUST Prof. (Dr.) Rajeev Mathur and thereafter Dean, SLAS Prof. (Dr.) Jitendra Binwal. A song focusing on the significance of the millets in daily life was presented by some students. It was truly mesmerizing performance.

Furthermore, there was a magnificent speech by Sri Swant Ranjan Ji on the cultural significance on the millets in the rural life of Rajasthan. A notable quote from the speech being: "अन्न ही ब्रम्हा है; जैसा खाए अन्न, वैसा होय मन|" Continuing on with the cultural aspect of the program a play: "मिलेटस खाओ मिलेटस लगाओ|", focusing on spreading awareness about the use of millets to fight against world hunger was played by the students. Technological and scientific advances regarding millets in the area of medical sciences was a topic talked about by Dr. Meghendra Sharma (Secretary VIBHA). Prof. (Dr.) Mukta Agarwal (UOR) delivered a lecture regarding the need of millets in contemporary India. A memoir regarding the program was provided by Mr. Manish Dhaka (Chairman MK Global Education, Sikar). A token of appreciation including a Shawl, MUST Coffee Table Book, a memento was gifted to our guest speakers. Alluding to the cultural aspect of the program, a spectacular Rajasthani dance performance on the song Mehmaan was performed by students. Moving towards the end of the program Dr. Sunidhi Mishra gave a vote of thanks to the audience. The event was successful enough to attract as many as 214 students and 08 faculty members from M.K. Group of global education, Govt Science College Sikar, Vedanta College, and Mahatma Gandhi College. Moreover approximately 400 people attended the Summit held on 11th January 2023.

# One Day Workshop on French Phonetics



The Department of Foreign Languages of SLAS (School of Liberal Arts & Sciences) successfully hosted the one day workshop on "Atelier de Phonétique du Français" on 25th March, 2023 via offline mode. The objective of this workshop was to fine tune the French pronunciation of the students of Mody University of Science & Technology and Mody School in a fun way.

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This workshop was conducted to provide an in-depth understanding of French phonetics, including the various sounds of the language, their articulation, and their representation in writing. Participants have learnt about the different phonological processes that occur in French, such as liaisons and elisions, and how they affect the pronunciation of words in different contexts. The workshop was applauded for the two invited lectures followed by open discussion, besides the inaugural and valedictory sessions. The workshop owes its success to the able guidance of Honourable Director Prof. (Dr.) Rajeev Mathur, Patron of the workshop &

Dean Prof. (Dr.) Jitendra Binwal, who is the Convener of this workshop and the hard work put in by the entire Department of Foreign Languages led by Dr. Vinay Kumar Singh who was the co-convener of the workshop. The Hon'ble Chief Guest, Prof (Dr.) Rajeev Mathur, Director, Mody University of Science and Technology inaugurated the Workshop by his presidential address where he emphasised the importance of phonetics which is essential in effective communication. In his welcome address, Prof. (Dr.) Jitendra Binwal, Dean School of Liberal Arts and Sciences, dealt upon the importance of learning foreign languages with special reference to French. He also talked about the role of Mody University of Science and Technology in imparting quality education in the state of Rajasthan to women. The one-day National workshop comprised 2 plenary sessions of 90 minutes followed by 15 minutes for question-answer session. More the 250 students from all the Schools of the University and all faculty members of SLAS were benefited by the workshop. Prof. (Dr.) S. K. Mishra, Professor of World Literature in the Nalanda University, Rajgir, has taken both the session where he dealt minutely the different aspects of Phonetics. In his lecture, he touched upon the topic such as Definition and importance of French phonetics, Basic concepts of French phonetics, Differences among French, Hindi, English and Sanskrit phonetics, French Vowels, Pronunciation of French vowels, Differences between short and long vowels, Pronunciation of nasal vowels, Pronunciation of French consonants. Differences between voiced and voiceless consonants, Pronunciation of consonant clusters, Liaisons and Elisions, Rules for liaisons and elisions in French speech, Examples of irregular spellings and pronunciations in French. In conclusion, the one day Workshop on French Phonetics conducted by SLAS-MUST was a huge success, and it succeeded in promoting the effective communication in French.

#### **IUPAC Global Women's Breakfast GWB-2023 "Breaking Barriers in Science"**

'One-day IUPAC Global Women's Breakfast GWB-2023' event on "Breaking Barriers in Science" was successfully organized by the Department of Chemistry, School of Liberal Arts and Sciences, Mody University of Science and Technology, Lakshmangarh, on 14th February 2023 in ABB SF R-209. The event focused on celebration of the contributions and success of women in the chemical sciences by breaking the barriers, which increases the spiritual, political, social or economic strength of women in diversified streams. The programme started at 11:00 am with the welcome address by Ms. Mansi Tripathi. The dignitaries on the dias were Prof. (Dr.) Jitendra Binwal (Dean SLAS), Prof. (Dr.) A. K. Das, Prof. (Dr.) H. L. Singh and Dr. Sarita Khaturia (Head of Deptt. of Chemistry), SLAS, MUST. Opening remarks of the event was given by Prof. (Dr.) Jitendra Binwal, Dean SLAS. Introduction of the programme was given by Dr. Sarita Khaturia, convener of the event. Participants talked about how women have overcome the traditional mind-sets and have excelled in professions like teaching, medicine, engineering, information technology, biotechnology, nuclear science, space science and many such



specialized fields in the domain of science and technology. They have also shared how contribution of women to socio - economic development as employer and employees by getting recognized and honored in public as well as in private sectors and overcome all the barriers. The event concluded with vote of thanks by Prof. A. K. Das.

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# **National Science Day Celebration**

The National Science Day was celebrated on 28th February 2023 in the School of Liberal Arts and Sciences (SLAS), Mody University of Science and Technology (MUST). The event was organized in association with Vigyan Bharati (ViBha) Sikar-chapter and it aimed to celebrate the contribution of science to humanity and promote the scientific temper among the youth. The event started with the arrival of guests, and lamp lighting to inaugurate the ceremony at 4:30 PM. The Director of MUST, Prof. (Dr.) Rajeev Mathur, delivered the welcome address, and he highlighted the importance of science for the growth and development of the society.

The Joint Secretary of Vigyan Bharati, Er. Shailesh C. Jain, gave his speech at 4:45 PM. He emphasized the need for scientific awareness and urged the students to take up science as a career. He also highlighted the activities of Vigyan Bharati to popularise science among people. The Dean of SLAS, Prof. Jitendra Binwal, gave a brief overview of the science programs offered by the university and the research projects undertaken by the faculty and students. He emphasized the need for scientific awareness. The keynote speech was delivered by Prof. P.C. Trivedi, Former Vice Chancellor of Jai Narain Vyas University (JNVU), Maharaja Ganga Singh University (MGSU), Deen Dayal Upadhyay Gorakhpur University (DDUGU), and Dr. Ram Manohar Lohia



Avadh University (RML-AU). He spoke about the role of science in human welfare and emphasized the need for innovation and creativity in science. He also highlighted the importance of collaboration between academia and industry for the growth of science. The speaker was introduced by Dr. Navneet Joshi. The plenary speech was delivered by Prof. Sarang Medhekar from the Central University of Jharkhand who was introduced by Dr. Brajraj Singh. He spoke about the application of basic optics to advance technologies. The concluding remarks of the event were given by Dr. Manoj Mishra, who expressed his appreciation to all the speakers and participants for making the event a resounding success. He extended his heartfelt gratitude to Dr. Mohit Sharma for ensuring seamless technical arrangements for the hybrid mode. Dr. Mishra also expressed his gratitude towards the team of dedicated volunteers, including Ms. Manisha, Ms. Kumkum, Ms. Pratigya, Ms. Janvi, Ms. Usha, Ms. Tanvi and Ms. Divya, for their unwavering support throughout the event. He also acknowledged the contributions of Mr. RK Singh, Dr. Sunidhi, Dr. Rakesh, and Ms. Sonali towards the successful execution of the event. In conclusion, the National Science Day Celebration at SLAS-MUST was a resounding success, and it succeeded in promoting scientific temper among the youth and celebrating the contribution of science in the society. The event was well-attended by approximately 50 people in hybrid mode, and the speakers provided valuable insights into the current trends and challenges in scientific research. The event was a testament to the commitment of SLAS-MUST to promote science and scientific education in the region.

## **Get Set Investigate**

JECRC University Jaipur (Forensic Science department) organised an event, the first crime scene investigation competition and forensic Expo 23 "Get Set Investigate". The motive of this event was to give an opportunity to the young forensic enthusiasts to put their investigative skills at

#### There were two competitions as:

- 1. Eagle Eye-The Evidence Hunt
- 2. Mock Crime Scene competition

Student from various universities such as IFS (Mumbai), Jain University (Bangalore), Amity University (Noida), Vivekananda University (Jaipur), Jaipur national University, Lovely professional University etc have participated in around 22 teams.

Dr Ranjeet Singh (CEO, Sherlock Institute of Forensic Science, Delhi), Dr. Mukesh Sharma (Assistant Director, Physics Division, FSL Jaipur) and Dr. Renu Devi (HOD Forensic Science Department, SLAS, MUST) were the jury members.

Our Two Students of B.Sc. (H) forensic science and four students of M.Sc. Forensic



Science participated in both the competitions in two teams as:

#### Team I

1. Oshin Saxena, B.Sc. (H) Forensic Science 2. Muskaan Kaniya, B.Sc. (H) Forensic Science

3. Bhumika Mathur, M.Sc. (H) Forensic Science

#### Team II

1. Sarita Saini, M.Sc. (H) Forensic Science 2. Hansika, M.Sc. (H) Forensic Science

3. Shivi Sharma, M.Sc. (H) Forensic Science Both the teams performed with full enthusiasm and displayed their excellent performance. Team I got Third position in The Eagle eye: Evidence hunt competition and won 1500/- scholarship for an online course in cyber Forensics from SIFS, Delhi. Team I also secured second position in Mock Crime Scene Investigation where they won a cash prize of Rs 5000/. All the student got certificates and lot of appreciations.

## Training Program on Molecular Biology Techniques





As per the request received from Aravalli PG College, Neem Ka Thana, Sikar, The Department of Bioscience, School of Liberal Arts and Sciences, Mody University of Science and Technology organized "One day Training program on Molecular Biology Techniques". The purpose of the program was to demonstrate PCR and Gel Electrophoresis techniques to students. Few students were also trained to perform these techniques.

Welcome ceremony started at 10.00 AM (Room No. 201) and Director MUST Prof. (Dr.) Rajeev Mathur, Dean-SLAS Prof. (Dr.) Jitendra Binwal, HOD Bioscience- Dr. R.S. Chundawat, Dr. H.K. Dhingra, Dr. R.K. Verma, Dr. V.K. Yadav, Dr. N. Joshi, Dr. Sonali Guliya, Dr. Manpreet Kaur, Mr. Rajeev Singh and Authorities (2) and Faculties (3) from

Aravali PG College were present, along with 69 participants.

Welcome address was given by Dr. R.S. Chundawat, Associate Professor and HoD Biosciences, SLAS. There was a colorful welcome followed by lighting of the lamp. It was accompanied by a melodious Saraswati Vandana, hailing the goddess of knowledge and wisdom. A speech was given by Director-MUST Prof. (Dr.) Rajeev Mathur thereafter Dean-SLAS, Prof. (Dr.) Jitendra Binwal. After Short break for High-Tea, the program began with Session I in which Dr. Harish Kumar Dhingra explained the protocol for PCR and Gel-Electrophoresis techniques. It was truly appreciated by the students and all the queries were well satisfied. For session II: Students were divided in two

batches, one batch performed PCR technique (Conducted by Dr. H.K. Dhingra) at Molecular Biology Laboratory (Room No. 215), the second batch performed Gel Electrophoresis technique (Conducted by Dr. Rakesh Kumar Verma) at Bio-Research Laboratory (Room No. 218) followed by Lunch break.

For session III: Both the batches were interchanged and experiments were demonstrated by respective faculty member. It was followed by a formal valedictory function and certificate distribution. Vote of thanks was given by Prof. B.K. Goyal. The event was successful enough to attract as many as 71 Registrations and 69 students reported for the event along with Principal, Management Nominee, HoD Zoology and Botany of Aravalli PG College.

## **Panel Discussion: Decoding Union Budget**



Centre for Finance, Insurance, Risk and Economics (C-FIRE), School of Business, Mody University recently organized a successful Panel Discussion on "Decoding Union Budget 2023-24" on Friday, February 03, 2023. The event was well attended and provided valuable insights on the budget from esteemed panelists, Mr. Kunal Kundu, Director & Indian Economist at Societe Generale, and Mr. Sandeep Bhattacharya, Advisor-Climate Change at Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH. The session was moderated by Dr. Surendra Rajpurohit, Associate Professor at the School of Business, who asked the panellists a series of thought-provoking questions.

Mr. Kundu enlightened the participants with his views on the increase in capital expenditures and its role in India's growth trajectory, the impact of changes in the new tax regime on consumption demand, direct tax revenue, insurance and employment opportunities. Mr. Bhattacharya dwelled upon the significance of various sustainability measures announced in the budget, the feasibility of electric vehicles, and the progress being made towards the Green Hydrogen Mission.

It was a valuable and informative event. Students benefited a lot with the knowledge and expertise shared by them, given the depth and richness of the discussion.

# Workshop on Skills Development

School of Design organized a workshop which provided students with an opportunity to develop their artistic skills with the medium of acrylic colors and technique and explore their creativity. The setting of the workshop, instructor approach to teaching and guiding and the student's experience in the workshop are all essential components of the learning process. A successful art workshop can inspire students to pursue their passion for art and design and develop their skills further. The acrylic art was done on a canvas board and logo was created using Acrylic Colors. Students also asked them doubt and for guidance about contemporary art.

## Lecture Workshop on "Chemistry for a Sustainable Future"

**MODY UNIVERSITY** 



Two days Science Academies lecture workshop on "Chemistry for a sustainable future" was successfully organized by the Department of Chemistry, School of Liberal Arts and Sciences, Mody University of Science and Technology, Lakshmangarh, on January 30 & 31, 2023. The lecture workshop intended to benefit students and teachers at the undergraduate, graduate, postgraduate and research levels. The workshop had been designed to have useful relevance to the curriculum covered in the post graduate, graduate and undergraduate programmes and also covered some topics at the research level.

The lecture workshop was sponsored by Indian Academy of Science (Bengaluru), Indian National Science Academy (New Delhi) & National Academy of Science (Prayagraj). Prof. Ashok Kumar Ganguli, FASc, FNASc, IIT, Delhi was the convener of the workshop. The workshop was coordinated by Prof. Amlan Kumar Das, Department of Chemistry, School of Liberal Arts and Sciences, Mody University of Science and Technology, Lakshmangarh. In this workshop we had an overwhelming response of 150 registered participants from nearby places. There were five (5) distinguished invited speakers for the workshop.

1. Prof. Ashok. K. Ganguli, Convener, FASc, FNASc, IIT,

2. Prof. Uday Maitra, FASc, FNASc, IISc, Bengaluru

3. Prof. Ramakant, FASc, University of Delhi

4. Prof. Parbati Biswas, University of Delhi

5.Dr. Sobhan Sen, JNU

A total of 10 lectures were delivered in the two days workshop encompassing topics related to all fields of chemistry and its importance for a sustainable future.

#### **Topics covered:**

- ·Nano chemistry
- ·Chemistry is the central Science
- · A world without Chemists
- ·The Chemistry world of tomorrow
- ·Green Chemistry, Polymer and **Protein Chemistry**
- ·Environmental, Energy and healthcare applications
- ·Electrochemistry

The workshop began on 30 January 2023 in a traditional manner by the lighting of Diya & garlanding of Saraswati Devi followed by a Saraswati Vandana and Kulgeet in presence of honorable Director of the University Prof. (Dr.) Rajeev Mathur, Prof. Jitendra Binwal Dean SLAS, Controller of Examination, All General Managers, Deans of all division, head of the departments, faculty members and participants.

Prof. Jitendra Binwal, Dean SLAS gave a very warm welcome address to all the participants, invited speakers and all other dignitaries. Prof. Binwal mentioned the importance of such academic activities.

This was followed by an enlighten speech by Prof. Ashok Kumar

Ganguli, the convener of the workshop. He threw light on the main theme of the workshop and the role of the academies in promoting such activities for the promotion of science across the country the past few decades.

Prof. (Dr.) Rajeev Mathur, Director of the University addressed the gathering mentioning the importance of such workshop for the development of scientific society and thanking the academy for the promotion of such initiatives. Director sir also mentioned the support of the University authority to organize such workshop.

Dr. Sarita Khaturia, Head of the department of Chemistry gave the introduction of the department and importance of the lecture workshop The workshop had been very much illuminating, loaded with knowledge and emerging technologies in chemistry for a sustainable future.

A special session was conducted to visit all the laboratory of SLAS by the invited speakers and participants to get their feedback. This two days lecture workshop provided opportunities for interaction between leading research scientists of our country and aspiring students and teacher belonging to the institutions of the state of Rajasthan. After each lecture about 10-20 minutes were spent on the queries of the participants to the speakers.

The workshop ended with vote of thanks by the coordinator of the workshop Prof. Amlan Kumar Das followed by national anthem.



#### Participating institute:

- School of Liberal Arts and Sciences (SLAS), Mody University, Lakshmangarh
- School of Engineering and Technology (SET), Mody University, Lakshmangarh
- SBD Todi College, Lakshmangarh
- Mohini Devi Mohila Girls College, Lakshmangarh
- Bhartiya Institute of Engineering and Technology, Sikar
- Govt. Science College, Sikar
- Govt. Engineering College,
- G B Podar College, Nawalgarh
- Govt.College Fatehpur
- Ramadevi Mahila P.G Mahavidhalay

## Symposium: India's G20 Presidency and The Road Ahead



On 18th February 2023, Hybrid Symposium on "India's G20 Presidency and The Road Ahead" was organized by the School of Business, Mody University. The event emphasized on the theme "Vasudhaiva Kutumbakam"- 'The World Is One Family.' The event

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was held in the campus's miniauditorium, Sangeet Samrat Tansen Sabhagar, from 10:30 am to 1:30 pm.

Mr. Labanya Prakash Jena, Regional Climate Finance Adviser Indo-Pacific Region, Commonwealth Secretariat, the keynote speaker addressed the audience and provided a comprehensive overview of India's G20 Presidency and its priorities. He emphasized the importance of sustainable development, climate change, and digital transformation as key themes of India's Presidency.Mr. Rakesh Bhutoria, Ex-MD Standard Chartered Bank, Partner & Grants Committee Member, SVP India also joined us virtually and presented his insights on the discussion.

The students of SOB presented a dance performance highlighting the theme. The participants from different courses presented different countries.

Then, B.A. (Honors) 2nd Year students, Ms. Khushi Malhan, Ms. Jyoti Joshi, and Ms. Samriti Goyal concluded the presentation segment of the event by delivering a brief on Global South and Global

Winners of the Poster Making Competition were awarded by Dr. Anirban Sengupta, Dean SOB, Mody University. The first position was secured by Group 8 (Ms. Nishitha Bissa, Ms. Khushi Saxena, Ms. Sapna Indoria – MBA 1st Year), followed by Group 1 (Ms. Aditi Khandelwal, Ms. Aditi Rathi, Ms. Tiran Tilwani - MBA 1st Year). The third position was secured by Group 7 (Ms. Darshi Poddar, Ms. Nisha Sharma, and Ms. Kanika Maheshwari - MBA 1st Year).

The program was a significant step to make the students realize the potential that India holds today at the global stage and its vision of "One Earth, One Family, One Future."

### **Industrial** Visit





As a part of Corporate Social Responsibility (CSR) -Value added course - School of Business, Mody University, Lakshmangarh, organized a visit to the highly respected NGO in the country "Akshay Patra" which is based in Jaipur. The purpose of the visit was to give the students an insight into the operations and functioning of one of the largest non-profit organizations in India. On March 8th, 2023, a group of 33 students from Mody University visited The Akshaya Patra Foundation. The team left the campus in morning at 4:30 AM and reached Jaipur at 7:30 AM. The students were taken to several places which included: Akshaya Patra Kitchen, Akshardham Temple, Mid day meal Distribution(Govt. School), BIO Gas Plant (CSR activity of IOCL)- Overall it was a very informative and enjoyable experience for the students.

#### **Quiz Competition:** Reimagining Sustainable Operations

The management students of the school of business, Mody University of Science and Technology gathered to welcome and address Dr. Atanu Mandal, Director – Projects and New venture, Excellagreen Engineering Pvt Ltd. as the keynote speaker for the event for which the students were all charged up and excited to prove their knowledge and caliber, not to others but to themselves via quiz competition



organized by - center for social innovation and sustainable development based on theme "Reimagining sustainable operations". As planned the event began with a knowledge imparting session by Dr Atanu Mandal who addressed students with affinity, which concluded with a round of Q&A with the students. The quiz comprised total of 5 rounds and 5 teams each team consists of 5 members, the groups were also given a specific name for identification Mind Benders, The Stable Geniuses, Innovators, Miracle Magnet, Desk Champions. The winners of quiz competition was Team A - Mind Benders, the names of the members of the team were: Aditi Khandelwal, Divya Singh, Kiran Tilwani, Prachi Sharma and Sapna Indoria. The name of the winning team was announced by Dr. B.S. Rathore, the coordinator of the MBA program.

#### **Expert Talk: Powerful Memory Path to Success**

On 25th March 2023, an Expert Talk on 'Powerful Memory Path to Success in Academics & Career' was organized by the Center of Human Resource Development, School of Business, Mody University, in hybrid mode (both offline and online). The expert speaker for the event was Mr. Nilanjan Mukherjee, General Manager - HR, Relaxo Group, a graduate of IIM Lucknow. The session focused on the impact of memory on academic



and professional success. The event was held in Room No. 01 in the ABB building, from 9.00 AM to 11.00 AM. At the outset, an informative introductory speech was given by Ms. Shreshta Bhardwai BA 1st Year student). In the session, the students had gained knowledge on several memory techniques.

# **Crossword Competition 2023**



On 22nd March 2023, School of Business, Mody University organized a crossword competition. The competition fostered global awareness, cultural understanding, critical thinking, and collaboration towards a unified world among the students of business school. The session began at 10 a.m. at Mody University's School of Business. The first half of the

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event was a short discussion on the theme "Vasudhaiva Kutumbakam: A Shared Vision For Global Prosperity Through G20" with our keynote speaker, Mr. Rakesh Bhutoria, Partner & Grants Committee Member. SVP India, Mentor, FinNovate, SPJIMR, who joined us virtually and presented his insights on the discussion. The crossword competition took place during



competition began at 11.30 a.m. at SOB. There were three rounds to the competition focusing on current affairs, G20 Summits and Indian G20 Presidency 2023.

The results of the competition were declared by Dr. Anirban Sengupta, Dean SOB, Dr. Surendra Rajpurohit, Assistant Professor, SOB, and Dr. Manish teams of Ms. Sneha Rampuria (B. Com 2nd Year) & Ms. Riddhi Agarwalla (BBA 2nd Year), Ms. Chanchal Jat (BBA 2nd Year) & Ms. Tanisha Keshan (BBA 2nd Year) tied for first place (BBA 2nd Year). The second place was secured by Ms. Shruti Bansal (B. Com 2nd Year) and Ms. Diya Dimple Ravani (B. Com 2nd Year).

#### The Psychology of Clothing: "How, What We Wear Impacts Our Mood and Behavior"



Clothing has always been an important part of human civilization, but it is not just a way to cover our bodies. The psychology of clothes is a fascinating topic that explores the way in which clothing affects our emotions, attitudes, and behavior. Studies have shown that our clothing choices can impact our mood, confidence, and even our cognitive abilities. The concept of "enclothed cognition" suggests that the clothes we wear can affect

our cognitive processes and behavior, even if they serve no functional purpose. For example, research has shown that people tend to perform better on cognitive tasks when wearing clothing associated with intelligence or professionalism, such as a lab coat or business suit. Similarly, wearing clothing that we feel good in can increase our self-esteem and sense of empowerment.

Clothing can also signal social status, personality traits, and cultural identity. This can influence the way others perceive us, and even impact our social interactions. For instance, wearing formal attire can convey respect and authority, while casual clothing can signal approachability and friendliness. The colors we wear can also affect our emotions and behavior. For instance, wearing red can increase feelings of passion and intensity, while blue can promote feelings of calm and relaxation. Despite the potential benefits of the psychology of clothing, our clothing choices can also lead to stereotyping and prejudice. People tend to make assumptions about a person's personality, intelligence, and social status based on the clothes they wear. This can reinforce discriminatory attitudes and biases. In conclusion, the psychology of clothing is a complex and nuanced topic that highlights the importance of our clothing choices. By understanding how clothing affects our psychology, we can make more deliberate and conscious decisions about what we wear and how it makes us feel.

#### Three Days' Workshop on Design

A three days' Workshop in the Mody University of Science and Technology, Lakshmangarh, Rajasthan from 22nd to 24th February 2023 by School of Design, Mody University of Science and Technology, Laxmangarh, Rajasthan. The programme received an overwhelming response with 60 plus participants from all over India.

First Day -Inaugural Session (22nd February 2023) Preparation of fabric and starting of Dabu Printing

Scouring/Degumming of Fabric

Drying of fabric Preparation for Dabu Printing Dabu Printing-

Second Day - 23rd February 2023

Session 1: Preparation for Natural dyeing

Session 2: Mothra and Lahriya Technique

Grinding of natural dye Explaining Mordanting process

Mordanting with Mordants

Third Day-24th February 2023

Session 1: Indigo dyeing Process

## Menstrual Hygiene Management webinar

SOD organized Menstrual Hygiene Management webinar. The event witnessed huge success based on the level of quarries raised by the students and resolved patiently by the experts. The session expert Dr. Shivani Dhodi Kakkar shared an informative presentation on Menstrual Hygiene Management. Later, Dr. Shivani Dhodi Kakkar answered the many questions asked by the students.

## **MNIT Tournament: Mody University Won Numerous Sets**

There is a great saying by'Heywood Brown' that "Sports do not build character, they reveal it", and after participating in one of 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 them 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 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 the odds were in

our favor and we won various sets (like volleyball, kabbadi, basketball, lawn tennis). As this ride continued 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 also 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 such a thrilling platform to perform upon and for furnishing our skills and confidence.







## **Industrial Visit to Power House of MUST**





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 of 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'

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 had the same 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.



# **National Youth Day Celebration**

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 great 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.

## **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

1.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.

**2.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.

**3.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 c a m p u s a n d t h e t o p photographers were to receive special discounts for the main APOGEE event and have their photos published in their galleria.

4. 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.



# **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. They 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 to 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 the 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 to 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 to 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 about 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.

### The Google Developer Student Club

The Google Developer Student Club (GDSC) at Mody University is a studentled initiative supported by Google that aims to promote the development of skills in the field of technology among students.



Google Developer Student Clubs Mody University of Science and Technology

The club serves as a platform for students to connect, learn and collaborate with other like-minded individuals who are passionate about technology. The GDSC at Mody University was led by GDSC Lead Nandini Khandelwal and advised by faculty advisor Prof. P. K. Bishnoi for the GDSC session 2022-23. GDSC organizes various events, workshops, and training sessions throughout the year to provide students with hands-on experience in the latest technologies and tools. These events cover a wide range of topics such as web development, mobile app development, cloud computing, machine learning and more.



# 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.

## **Faculty Achievements**

- Dr. Jeetu Sharma is certified by NPTEL for participating in the NPTEL E-Awareness workshop on February 01,
- 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.

#### **Student Achievements**

Ms. Ritika Malik, a BTech 3rd -year Computer Science and Engineering (Big Data Analytics specialization), secured 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, 2023 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 2023. 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

# **Guest Lecture for Media Students**



Department of Arts under school of liberal arts and sciences conducted an extensive lecture of Dr. Anuradha Mishra, senior faculty of Journalism and Mass Communication, Vivekananda Institute of Professional Studies, GGSIPU, New Delhi. A very prominent academician and author in the field of media studies. She interacted with all 2nd and 3rd year students of BAJMC. The lecture was all about the changing scenario of media in digital era. How communication can make the whole world a global village.

She motivated the students to focus on practical work and learn more skills. She talked about the growing competition in the field of mass communication and how one must have outdated in the next few decades. Her their abilities. She also mentioned how technology of today, could be the according to NEP.



a dominant skill. She emphasised on the presence filled the students with zeal importance of building a strong profile and a better attitude towards learning and using the available resources as system. She also talked about how much as possible. She talked about how traditional media is also getting a student can use platforms like advanced with time. Students were YouTube, Instagram and many other to inspired to work hard and make a good reach to the masses and demonstrate impression in the world as the students of Journalism. Dr. Anuradha Mishra the technology and digitalisation is also gave her input and suggestions getting advance and the latest regarding new syllabus of BAJMC

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Special Invitee: Ms. Riya Malik

## **PUBLICATION DETAILS**

Name of Author	Title of Published/Accepted Research Article	Name of Journal	Citation / DOI
A.S. Rao	Beauty and identity in the bluest eye	Anvesak	UGC Care list 0378-4568
Mukul Kant Paliwal, Sanjeev Jakhar Vikrant Sharma	A comparative study on photovoltaic/thermal systems with various cooling methods.	Materials Today: Proceedings	Scopus
Mukul Kant Paliwal, Sanjeev Jakhar Vikrant Sharma	Nano-enhanced phase change materials for energy storage in photovoltaic thermal management systems: A bibliometric and thematic analysis	International Journal of Thermo fluids 17 (2023): 100310	Scopus
Jakhar Sanjeev, Mukul Kant Paliwal, Manish Kumar	Machine learning predictive models for optimal design of photovoltaic/thermal collector with nanofluids based geothermal cooling.	Environmental Progress & Sustainable Energy: e14131	SCI-2.88
Ramratan	Influence of Functional Finishes and Polyester type on Comfort Properties of Active Sportswear	JTATM, 12(04):1-20, 2022	1533-0915
Ramratan	Functional application of herbal dyes- Antimicrobial Properties	ATJ, 31(12), pp. 55-59, 2022	9713425
Ramratan	Study the Ladakh Region Traditional Wool Shawls on Thermal Insulation Properties	MMTI Journal, LI (03):85-90, 2023	3777537
Ramratan	Chapter: To Study the Creative Technique on Ikat Traditional Textile	Book: Techniques and Innovation in Engineering Research Vol. 5, Publisher: B P International U K	ISBN 978-81- 19102-04-4 (Print)

