

COMPUTING VISION

VOLUME : 9

OCTOBER TO DECEMBER 2023

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HIGHLIGHTS

INTERNATIONAL CONFERENCE ON
"SYSTEM MODELING & ADVANCEMENT
IN RESEARCH TRENDS (SMART-2023)

NATIONAL CONFERENCE ON
MATERIALS & DEVICES (NCMD-2023)

SMART INDIA
HACKTHON-2023

NATIONAL
MATHEMATICS DAY

DIWALI FEST

KHEL UTRAV
2023

NATIONAL CONFERENCE ON SUSTAINABLE IN
CONTEXT OF ANCIENT & MODERN
INDIAN KNOWLEDGE SYSTEM

A STUDENT MAGAZINE
A VOICE OF AN EFFORT
FOE & CCSIT IDEA FACTORY.....





VISION

"To be recognized as a premier institution of excellence providing high quality education, research and consultancy services to the society".



FOCUS

"Our endeavours to impart knowledge and develop critical skills necessary to succeed both in professional and personal life by promoting learning supported by world class faculty, infrastructure, technology, curricula and collaborate teaching and research with premier institutions in india and abroad".



MISSION

"In our quest to make the university an ultimate destination for world-class education, allowing nine-fold priority areas have been identified for actions:"

MESSAGE FROM

HON'BLE CHANCELLOR

I have great pleasure in conveying my best wishes to the College of Computing Sciences & Information Technology for releasing the magazine "Computing Vision" which brings the students and teachers of various disciplines on a common platform to share and display their ideas and creative talents.

Education is not an act of acquiring knowledge but learning a skill to lead life and forming one's personality. This is an ennobling process of growth. I can boldly say that we have excelled in every initiative that we undertook and we have stood together in facing the challenges in realizing quality education. We focus on discovering, developing and drawing out the hidden talents and the magic lying dormant inside all of its students. From academics to co-curricular activities, perseverance and a never-say-die spirit are entrenched in the heart of every student not only making them good students but brilliant human beings. In today's dynamic world, a 360 degree development and grooming is of supreme importance and through our campus we are creating an environment for future leaders, entrepreneurs and professional who possess skills and aptitudes in an array of functional disciplines.

I am very happy with the progress the college has made by imbibing in its students value based education synergized with modern teaching-learning methods to produce a generation of well informed and emotionally sound generation. I am positive that in times to come we will continue this journey with elevated enthusiasm and persistently provide a platform of holistic learning to the young generation of learners.



SHRI SURESH JAIN

MESSAGE FROM

HON'BLE GROUP VICE CHAIRMAN

"Patience, persistence and perspiration make an unbeatable combination for success." rightly said by Napoleon Hill. Perseverance goes a long way. The perspective established by 'Computing Vision', a quarterly college magazine issued regularly and successfully is exemplary in the university. I extend my sincere appreciation to College of Computing Sciences & Information Technology (CCSIT) and Faculty of Engineering (FOE) for leading with a strong series of "Computing Vision". I convey my best wishes for its 02nd issue of 09th volume and to all worthy members of CCSIT & FOE for their worthy efforts in this issue. I especially admire Prof Dwivedi for his continuous determination towards academic excellence which is purely revealed through this magazine.



SHRI MANISH JAIN

FROM THE DESK OF HON'BLE EXECUTIVE DIRECTOR

I am very happy to announce the publication of the latest journal of TMU. The Magazine is aptly titled "Computing Vision, Volume-9, Issue-2", and includes the latest events and programs related to the technical and analytical skills of the upcoming Engineers. The Computing Vision of the Faculty of Engineering and College of Computing Sciences and Information & Technology (FOE & CCSIT) TMU, gives an opportunity to students to showcase their creativity. TMU does not only focus on quality education but to provides co-curricular and Extracurricular opportunities to the students to develop their balanced personalities. Creative thinking skills are necessary for success in the modern world. This Magazine aims to encourage students to improve their written communication, expression and creative writing skills. This Magazine reflects our ongoing commitment to advancing knowledge and promoting intellectual discourse. The articles within this magazine demonstrate the innovative thinking, rigorous inquiry, and interdisciplinary collaboration that are the hallmarks of our institution.



SHRI AKSHAT JAIN

MESSAGE FROM HON'BLE VICE CHANCELLOR

I am glad to know that the Faculty of Engineering and College of Computing Sciences and Information Technology (FOE&CCSIT), Teerthanker Mahaveer University (TMU), Moradabad, is going to publish the forthcoming issue of its quarterly magazine "Computing Vision"- Volume:9, Issue:2. I hope this message finds you all in good health and high spirits. As we embrace the spirit of knowledge dissemination and celebrate the diverse talents within our university, it is with great pleasure that I extend my warmest greetings to each member of our academic family. This magazine serves as a window into the multifaceted achievements and endeavours that define our institution. It encapsulates the extra-curricular activities, research breakthroughs, artistic expressions, and community initiatives that make our university truly exceptional.



PROF. RAGHUVIR SINGH

MESSAGE FROM DIRECTOR

It is with immense pleasure that I extend my warmest greetings to all members of Faculty of Engineering and College of Computing Sciences and Information Technology (FOE&CCSIT), Teerthanker Mahaveer University, Moradabad as we embark on a journey through the latest edition of our quarterly magazine, "Computing Vision"-Volume:9, Issue:2. "Computing Vision" serves as a testament to the creativity, dedication, and intellectual prowess of our students, faculty, and staff who continually push the boundaries of what is possible. This publication encapsulates the boundless spirit of innovation, exploration and excellence. In the realm of computing, we are not merely observers; we are pioneers shaping the future of technology. As we delve into the pages of this magazine, we will witness the convergence of ideas, the unveiling of breakthroughs, and the manifestation of our collective commitment to the ever-evolving field of computing. Each article and feature showcases the dynamic and transformative nature of our computing community.



PROF. RAKESH KUMAR DWIVEDI

IBM Goodies DISTRIBUTION



On 4/10/2023 IBM cap distribution is organised for welcoming the B.Tech IBM 1st sem students. In this event a welcome address is given by Prof. R. K. Dwivedi principal CCSIT Sir to our students along with Principal sir, Vice Principal Prof. Ashendra Kumar Saxena , Hod Dr. Shambhu Bhardwaj Sir, Assistant Registrar Mr. Manish Tiwari Sir & Program Coordinator Mr. Amit Singh is present over their. The distribution of IBM caps is not merely a ritual; it is a symbolic gesture that underscores the integration of theoretical knowledge with practical applications in the ever-evolving landscape of technology.



This initiative belongs to our commitment for providing students with exposure to industry leaders, enabling them to stay ahead in their academic pursuits. Principal Sir has been instrumental & enthusiastic in forming partnerships that benefit our students. His dedication for creating an environment that nurtures innovation and excellence is reflected in this collaborative effort with IBM. The caps serves as a token of encouragement for our students as they embark on their academic journey, reminding them of the exciting opportunities that lie ahead. Total 52 students are present. Session is ended with vote of thanks



Industrial visit at BSNL



Professor Rakesh Kumar Dwivedi, Director of Faculty of Engineering, TMU has initiated Industrial exposure to the student for Hands-on Learning. He wishes that understanding of real time practices in the field of Engineering and Technology is the milestone for a successful career. He conveys his best wishes to Head of the Department Dr Rahul Sharma , Event Coordinator Dr Alka Verma and Mr Neeraj Kaushik A group of students of B.Tech 2nd year, 3rd year & 4th year and Diploma 3rd year of Electronics & communication Engineering branch with faculty members Dr. Alka Verma and Mr. Neeraj Kaushik visited Telephone Switching Center in Moradabad

BSNL is one of the largest company in India offering plethora of telecom services like landline telephony, mobile services, numerous IP based services, fiber to the home , leased line services, services to bank and numerous big installation and also subscriber services to generate, initiate, process and establish the calls and transferring the information in the form of data, voice, multimedia between the subscribers. After reaching the telephone switching center, a welcome note by Shri Farhad Ali Khan (JTO operation, Moradabad) was given followed by introductory session. He described about main telecom exchange equipment and he told that Moradabad is main telecom switching hub in UP west zone next only to Noida. He also briefed students about the fundamentals of signaling process, sampling theorem and channel assignment strategies. After that the students had been divided into two groups for visiting the MSC and OCB section During the visit, the students witnessed the whole process of mobile switching center, base transceiver station and base station controller and also the calls initiation, establishment and termination with the help of different channels used in MSC.



IEEE Symposium 2023



Under the banner of IEEE Day, celebrated on October 6-9, the Symposium featured a spectrum of competitions. The Spellothon competition tested participants' language proficiency, while the Coding Competition challenged their programming acumen. Output Tracing delved into the intricate details of code execution, and the Cultural Event showcased the rich tapestry of talents within the student body. The Mock Reverse Job Fair provided a unique platform for students to present their skills and projects to potential employers, simulating a reverse job-seeking process. The sports segment not only ignited friendly competition but also promoted physical activity and teamwork. In the Peace Engineering event, participants explored innovative engineering solutions to promote peace, sustainability, and positive social impact. The Design Clinic provided a canvas for creativity, and the Membership Drive echoed the call for a united IEEE community. Agenda: The inaugural session, held on October 6th, marked the commencement of the IEEE Symposium, setting the stage for days of academic and intellectual exchange. The valediction session on October 9th provided a reflective closure, celebrating achievements and shared experiences.





Inaugural Session (October 6th): The grand opening marked by inspiration and innovation.
Valediction Session (October 9th): A reflective closure, celebrating achievements and shared experiences.
The event also had the honor of hosting Principal Sir, Dr. Rk Dwivedi, as a special guest, adding prestige to the IEEE Symposium. IEEE Symposium 2023 stands not only as an event but as a testament to the university's commitment to fostering a culture of innovation and knowledge sharing. The exploration of technological advancements and intellectual exchange during the Symposium will continue to light the path to a future driven by technology and shared knowledge



Now its time to listen to the Chief Guest Col. J.K. Sharma who started his talk by videos with are from defence back-ground which boost up the energy of all the audience who are active listener from engineering. He also focus on key areas of defence engineering companies in the development of advanced military vehicles and instruments. These vehicles must be able to navigate difficult terrain, withstand hostile environments, and protect the occupants from threats such as improvised explosive devices (IEDs) and small arms fire. Defence engineers must be able to design and develop vehicles that meet these requirements while also being cost-effective and easy to maintain. He deliberates about various competitive exams in IAF, INA & Army and salary structure of various posts among different departments. At the last vote of thanks was given by Dr. Rahul Sharma (HoD ECE) and also motive students to take more & more participation and fill vacancies in these areas. He also thanks Chief Guest, VC sir, Registrar sir, Principal sir & CTLD Director as well the organizing Committee of the Department. The chief guest is felicitated by token of love by giving memento and promise for such a good initiative and plan future activities.



The event is well coordinated by Dr Alka Verma, Mr. Rahul Vishnoi, Mr. Prashant Kumar, Mr. Neeraj Kaushik and Technical staff of ECE along with students Volunteers namely Sonam, Khushboo, Mishba, Muskan, Lalit, Anshika, Vishal, Garvit. The event was well graced by Dr. Jyoti Puri, Dr. Zareen Farooq, Ms. Nikita Jain. The program anchoring is completed by Ms. Indu tripathi. The Technical support is given by Mr. Manoj Gupta Ji



Workshop On Career Aspects of Engineering in Defence



The Inaugural session of the workshop got commenced with the welcome by Tilak and traditional lamp lighting ceremony in front of Goddess Maa Saraswati as a testimony to our prayer and commitment to the culture by Chief Guest Col. J.K. Sharma, Prof. Rahughvir Singh (Hon'ble Vice Chancellor), Dr. Aditya Sharma (Registrar), Prof.Dr. Rakesh Dwivedi (Principal,FoE), Dr. R.N.Krishnia (Director CTLD), Dr.Pankaj Goswami (Vice Principal, FoE), Dr. Ashendra Saxena (Vice Principal, CCSIT), Dr. Rahul Sharma HoD ECE. The Principal FoE and HoD ECE had welcome all the invited Guest of the program by bouquet presentation. In continuation, the program started with address by Dr. R.K. Dwivedi (Principal,FoE) who enlighten about the importance of this workshop to the students. He also said that Defence plays a crucial role in Engineering works. It is impossible to imagine the defence industry without the help of engineers. This industry needs all the help it can get to provide the best possible tools, machines, and methods to public and private Institution's The second address is given by Dr. R.N.Krishnia (Director CTLD) . He emphasis on the defence engineering which is the oldest engineering disciplines which is centred on the production and development of technology to maintain the stability of Government and national security on a local and global scale. The program continued by address by Dr. Aditya Sharma (Registrar) who told about Defence engineering is a highly specialized field that requires a deep understanding of the unique challenges and requirements of the defence industry. In continuation next address is given by Prof. Rahughvir Singh (Hon'ble Vice Chancellor) in which he includes about defence expertise in a wide range of engineering disciplines, from mechanical and electrical engineering to software and systems engineering. Defence engineers must be able to design and develop technologies that are reliable, robust, and capable of operating in a range of challenging environments



ALUMNI TALK SERIES



Dr. Alka verma (Anchor) welcome all the authorities Dr. Rakesh Dwivedi(Principal, FoE), Dr.Pankaj Goswami (Vice Principal, FoE), Dr. Rahul Sharma HoD ECE, faculty members of EC department, Alumni and students of all the existing batches. HoD ECE had elaborated the achievements of the department including programs, research work, consultancy, seminars, workshops conducted. In continuation, the program started with address by Dr. R.K. Dwivedi (Principal, FoE) who enlighten about the importance of the alumni connect and their valuable life time experiences. He said that department who took such a good initiative to connect alumni with the existing batches students so that they will gain such good path to achieve greater heights in their career. He also thanks the alumni coordinator for such events and motive him to organize these types events in future. The second address was given by Dr.Pankaj Kumar Goswami (Vice Principal, FoE) in which he said that electronics and communication engineering is one of the emerging field in today scenario. He threw insight on the development of department in terms of research and placement. He welcomed all the keynote speakers and motivated the present students to work hard for success. The program continued by interaction of Alumni, Mr. Ankit Saini (batch 2010-2014) who is Technical Manager for Radiology Department in Siemens Healthineers, Kneya. He interacted with present students and gave guidance to students as to how to study and choose carrier as electronics engineer in the medical field. He also briefed about his journey as a TMU student to a technical manager in Siemens Healthineers.The next address was given by Ms Deeksha Sharma (batch 2012-2016) who is presently in UP Police,Noida. She motivated students to have faith in themselves and belief in self that they can achieve success in any field. She thanked all faculty members for providing a very good guidance throughout her four year journey as a Btech tudent in TMU. The next talk was given by Ms Ramsha Khan (batch 2013-2017) who is presently working as system Engineer in TCS. She interacted with students and briefed them about her journey as software engineer. She threw insights about certain skills which would help them to become a good programmer. She motivated students to study hard and also thanked all faculty members of ECE department for being a constant support in her journey. At the last vote of thanks was given by Mr. Prashant Kumar (alumni coordinator),in which he thanked Principal Sir and Vice principal for joining the event. He also thanked all the alumni for sparing their valuable time and for joining the event. He also thanked the Dr. Rahul Sharma HOD EC for providing this online platform. He also thanked Dr Alka Verma, Mr. Prashant Kumar, Mr. Neeraj Kaushik and Mr. Rahul Vishnoi and Technical staff of ECE for well coordinating the whole event.

Colors of Vijaydashmi Competition



On the occasion of Dusshera , B.SC Animation organized a Poster making competition for the students. All the student of animation participated in this competition. The theme of poster making competition was " BURI PAR ACCHI KI JEET." The program started with the bookey presentation by MR. Jyoti Ranjan sir to the Chief guest . On this occasion principal of CCSIT Prof.(Dr.)Rakesh Kumar Dwivedi addressed the student about the moral values and human antiquates . He told the students abouts the how the good behaviour and moral responsibility is about the studies. He appreciates the work and designing skills of the students. The mode of competition was online and offline both. On the occasion Vice Principle Dr. Ashendra Sexena , HOD Dr. Shambu Bharadwaj, Mr Ankur Chaudhary, Mr. Satendar rathi and Shikha Gambhir and all the faculty of animation were present



Garba Day Celebration



The Garba Day celebration held on October 21, 2023, at the Diploma Compound, Faculty of Engineering, was a colorful and lively affair, showcasing the rich cultural heritage of the region. Organized with enthusiasm and fervor, the event brought together students and faculty members in a joyous celebration of dance, music, and traditional attire. R.K. Dwivedi's Enthralling Speech: The festivities commenced with an insightful and inspiring speech delivered by R.K. Dwivedi, which beautifully encapsulated the essence and significance of Garba in Indian culture. His words resonated with the audience, emphasizing the beauty and cultural significance of the event, setting the perfect tone for the celebrations. The venue was a sight to behold, with everyone dressed in resplendent traditional attire. The students, faculty, and staff adorned vibrant and intricate outfits, adding to the vibrant ambiance of the event. The variety of colors and traditional garments further enhanced the cultural spirit of the celebration. One of the most heartwarming aspects of the Garba Day celebration was witnessing the unity and camaraderie between faculty and students as they joined together in exuberant dance performances.



The infectious energy and enthusiasm filled the air as everyone swayed and danced to the rhythmic beats of Garba music, breaking barriers and fostering a sense of togetherness. The Garba Day celebration at the FOE Compound, Faculty of Engineering, was a resounding success, encapsulating the spirit of unity, culture, and joy. It served as a beautiful reminder of the rich cultural heritage that binds the community together. The event not only entertained but also educated, fostering a deeper appreciation for cultural diversity and traditions among the participants. As the celebrations concluded at 4:30 PM, the echoes of laughter, cheerful music, and the vibrant display of colors lingered, leaving behind memories of a joyous and culturally enriching event. There was competition even and winners were given gifts by jury and Foe faculties. The dance winner was Aarushi Jain and singing winner was Astha Jain



NAVRATRI FEST



The College of Computing Sciences and Information Technology-CCSIT, Teerthanker Mahaveer University-TMU, Moradabad celebrated Navratri Fest in LT-2 on 21st October, 2023. The fest was inaugurated by Prof. Rakesh Kumar Dwivedi, Director and Principal of FOE&CCSIT by lighting the lamp in front of Bhagavan Shri Ganesh, Maa Saraswati, Maa Lakshmi and Shri Ram Darbar. During the event, the faculty and staff members participated with great zeal and enthusiasm. On this occasion, all faculty and staff members also lit the lamp and did the prayers. The anchoring was done by Dr. Sandeep Verma, the Coordinator of Faculty Club, CCSIT. Director and Principal of FOE&CCSIT Prof. Rakesh Kumar Dwivedi said, Navratri is a festival that holds significant cultural and spiritual importance in our lives. During Navratri, different forms of Goddess Durga, such as Shailaputri, Brahmacharini, Chandraghanta, Kushmanda, Skandamata, Katyayani, Kalaratri, Mahagauri, and Siddhidatri, are worshiped on each of the nine nights. It is a time when we come together to celebrate the divine feminine energy and seek blessings from Goddess Durga. The festival symbolizes the victory of good over evil and encourages us to embrace righteousness, courage, and perseverance. The festival is marked by fasting, prayer, music, dance, and various cultural events. People, dressed in vibrant and colorful traditional attire, gather in groups to perform these dances in honor of the goddess Durga. Let us take this opportunity to reflect on the values embedded in the stories of the goddess and imbibe them into our daily lives. Navratri is not just a series of religious rituals; it is a reminder of the strength that lies within each one of us to overcome challenges and emerge victorious. Prof. Dwivedi extended his warm wishes and greetings to all the faculty members and staff members on the occasion of Navratri, wishing them prosperity, good health, and knowledge.



At the end of the program, event coordinator Dr. Sandeep Verma expressed his gratitude to all. On this occasion, Prof. Ashendra Kumar Saxena, Vice Principal, CCSIT, Dr. Shambhu Bhardwaj, HOD, CCSIT, Prof. R.C. Tripathi, Proctor, CCSIT, Mr. Amit Singh, Mr. Manish Tiwari, Mr. Manoj Gupta, Mr. Nikhil Saxena, Mr. R.P. Singh and all other faculty and staff members were present



NAVRATRI

The Bhakti Mahotsav



iNurture Education Solution Pvt. Ltd and CCSIT celebrated NAVRATRI-The Bhakti Mahotsav at TMU Moradabad on 21st October, 2023. Program started with the wishes of Dr. Rakesh Kumar Dwivedi Principal & Director of CCSIT and lamp lightening before Mata Durga by Vice Principal Dr. Ashendera Saxena, Dr. Shambhu Bhardwaj, Dr. Neeraj Gogia and Mr. Ghufan Khan. On this occasion, Vice Principal Sir told that Navratri honours the divine feminine energy, symbolizing the triumphs of good over evil. It teaches us to respect and reverence women, recognizing their vital role in our lives. He also asked to embrace the values Navratri represents and cherish the unity in diversity that makes our culture so rich and vibrant. Program was hosted by Harshita Sharma and Ashish Upadhyaya from BCA CTIS 1st year, Shruti and Afifa from BCA CTIS 2nd year.

Students gave various wonderful performances in singing, dancing, and poster making.

Winners were Divyansh (BCA MAWT 2nd Year) and Kanishka Rastogi (Diploma CS 2nd year) 1st Position, Jitendra and Yash Kumar Verma (BCA MAWT 1st Year)-2nd Position, Rhythm (B.Tech CSE AIML 1st Year), Avdhi (B.Tech CSE AIML 1st Year) 3rd Position in Duet Dancing.

Harshit Sharma (BCA CTIS 1st Year) 1st Position, Anshu Priya (B.Tech-CS-IBM 4th year) 2nd Position, Kavya Saini (B.Sc Animation 1st Year) 3rd Position,) in Solo Dance.

Mohd. Sumeer (BCA CTIS 2nd Year) 1st Position, Atharv (BCA 2nd Year) 2nd Position, and Armaan Matloob (BCA-MAWT 2nd Year) 3rd Position in Solo Singing.

Akshat Jain & Group (B.Tech-DS 2nd Year) 1st Position in Group Singing.

Sumalya Warsi (BCA 2nd Year) 1st position in Poster Making and Spark of the Event was Shyam Saini from BCA MAWT 1st year.



Student coordinators were Yash Gupta (BBA-BM&C 2nd year) and Rishabh Jain (BCA CTIS 3rd year) and Krish Vishnoi (B.Tech-Data Science 2nd year).

In this program winners were honoured with Medals and certificates by Dr. Rakesh Kumar Dwivedi Principal & Director. Jury Panel members were Mr. Ghufran Khan, Mehvish Shad and Jaya Mishra.

Event Coordinators were Mrs. Surabhi Mishra and Mr. Prakash Jha.

Program was graced with the presence of Dr. Ashendra Saxena Vice Principal, Dr. Shambhu Bhardwaj HOD (CCSIT), Mr. Abhishek Saxena, Dr. Sandeep Verma, Dr. Neeraj Gogia, Mr. Ghufran Khan, Ms. Sukriti Jain, Mr. Navneet Vishnoi- 2, Mr. Rupal Gupta, Ms. Neeraj Kumari, Ms.Hina Hashmi, Ms. Ranjana Sharma, Mr. Ajay Tiwari, Mr. Manoj Gupta, Mr. Amit Singh, Mr. Nikhil Saxena and Mr. R. P. Singh and all faculty members



NSS-Swachta hi Sewa



Let's carry forward the spirit of cleanliness and continues to work towards a cleaner and healthier future. Together, we can make a difference. Our dedicated team of NSS volunteers worked endlessly to organize cleanliness drives, awareness programs, and community engagement activities. NSS Camp focusing on "Swachta hi Sewa" has been successfully concluded in Village Manoharpur, Dist- Moradabad by NSS-CCSIT TMU.



RECENT TRENDS IN GREEN ASPECTS OF SCIENCE AND TECHNOLOGY



This report is based on a one-day national conference on "RECENT TRENDS IN GREEN ASPECTS OF SCIENCE AND TECHNOLOGY" (RTGAST-2023) that was organized by the Department of Chemistry, Faculty of Engineering, Teerthanker Mahaveer University on 27th Oct 2023



The main objective of the Conference is to provide an excellent forum for researchers, eminent academicians, industry experts, research scholars & students to exchange ideas and to communicate and discuss research findings with emerging issues and future challenges in Chemistry. In this conference it is really a great experience to listen eminent speakers with their precious views justifying the main theme of the conference. We are very grateful to Prof Anamika Tripathi, Hindu College, Moradabad, & Dr Ravindra Kumar Sharma, General Manager, MHSC, Moradabad for gracing this conference and sparing their valuable time. In this Conference we got total of 45 paper and we accepted 30 papers from all over India. Majorly we received papers from reputed institutes of Bihar, Assam, Roorkee, Uttarakhand, Ghaziabad. Conference is successfully executed on Hybrid mode. More than 25 papers presented in Hybrid mode. All the faculty members and research scholars had work hand to hand to successfully organizing this conference. All the support is in record by Dr. Gandharve Kumar (Convener RTGAST-2023), Dr. Varun Kuma Singh (Organizing Secretary), Dr. Navneet Kumar (HOD Chemistry), Dr. Seema Maan, and all research scholar of Chemistry department. We would like to especially thank the dozens of invited speakers who came to TMU, as well as the nearly 80 people who participated in the intensive one day of discussion.



ESTRELLA 2023

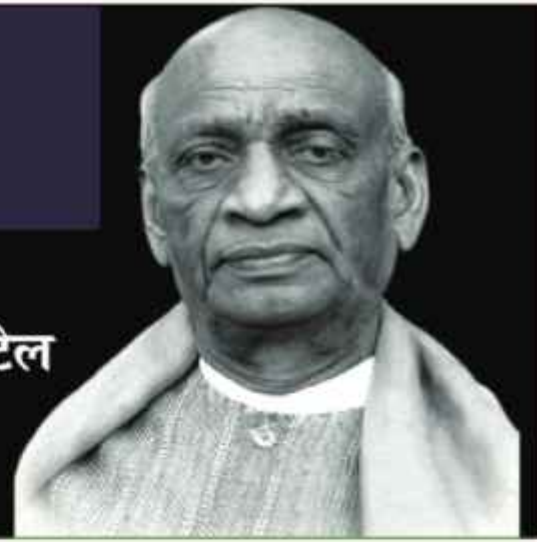


ESTRELLA Fresher's Party was organised on 30th of December by BTech CSE second year students at Riddhi Siddhi Bhavan. The program was scheduled from 9:00 AM to 4:00 PM and after the completion of program all students enjoyed DJ Eve which lasted till 6:00 PM. All the First, Second year students of BTech CSE were present at the venue from 9:00 am, Their entry was only allowed with the passes they received from management committee and then we started to get the valuable presence of our respected faculty and our chief guests of the program. We were honoured to have our Chief Guests PROF. RAGHUVeer SINGH SIR (Vice Chancellor), DR. RK DWIVEDI SIR (Principal CCSIT), PROF. AASHENDRA SAXENA (Vice Principal CCSIT). The program started with Lamp Lighting and Saraswati Vandana. After taking blessings from Goddess of Knowledge the Hosts (Krishna Aman, Aryan Jain, Arpita Srivastava, Sejal Jain) of the show welcomed Chief Guests for saying their valuable words and to welcome juniors into their exciting college life. A Jury Committee was also formed to judge the performance of juniors. Our honourable jury were MR. AADITYA JAIN SIR, MS. INDU TRIPATHI MAM, MS. SUKRATI JAIN MAM. There were many performances from both seniors and juniors such as Dance, Singing, Shayari, Games, Standup etc but the main event which was competition round for juniors consisted of three rounds (Ramp Walk, Talent Hunt, Questioning Round). The event was a blast and was organised beautifully, All students and Faculty members enjoyed food and beverages. After all the rounds we received valuable words from our Course Co-ordinator MR. RUPAL GUPTA SIR who appreciated the management team and all the juniors who made this program memorable. After that Judges announced the winners of the show (Mr. Fresher : Aaditya Aryan, Ms. Fresher : Mahi Singh), (Mr. Prince : Prashant Kumar, Ms. Princess : Kratika Jain). There were some more awards like Runner Ups, Best Performance, Best Dressing Sense, Winners of Games, QUIZ winners and also we gave a token of respect to our judges for making their presence for all day.



They received their awards from honourable Principal Sir and other honourable faculty guests

National Unity Day Commemoration



'लौह पुरुष'
सरदार वल्लभभाई पटेल



In a vibrant display of patriotism and solidarity, the National Service Scheme (NSS) at the Computer Science and Information Technology (CCSIT) recently orchestrates a memorable event to commemorates National Unity Day, also known as "Rashtriya Ekta Diwas on 31st October 2023." The occasion, which marks the birth anniversary of the Iron Man of India, Sardar Vallabhbhai Patel, served as a wretched reminder of the importance of unity and integration in the diverse fabric of the nation. The event unfolded seamlessly, reflecting the spirit of togetherness that Sardar Patel advocated throughout his life. A series of activities that not only paid tribute to the great leader but also encouraged a sense of unity among the participants were demonstrated their . The NSS CCSIT team's meticulously planning and execution were complemented by the active participation of students and faculty members. The interactive sessions encouraged open dialogues on the principles of unity and integrity, fostering a sense of belonging among the participants. Professor Rakesh Kumar Dwivedi, Principal CCSIT TMU, played a crucial role in supervising the entire event. His visionary leadership and support provided the necessary impetus for the NSS CCSIT team to carry out their responsibilities with enthusiasm and dedication. He stated that this celebration serves as a catalyst for fostering a spirit of nationalism, emphasizing that unity is the cornerstone of a progressive and harmonious society. The culmination of the event saw participants taking a collective pledge to uphold the ideals of unity, integrity, and harmony in their lives. This symbolic gesture underscored the commitment of the CCSIT community to contribute positively to the diverse tapestry of the nation.

In conclusion, the National Unity Day commemoration at CCSIT, orchestrated by the NSS through the coordinating skills of Mr. Mohd Saleem and under the supervision of Professor Rakesh Kumar Dwivedi, was a resounding success. Beyond the festivities and ceremonies, the event left a lasting impact on the participants, fostering a sense of national pride and unity that will undoubtedly resonate within the CCSIT community for years to come. Vice Principal, HoD and Proctor along with faculty members had taken part in this event. The contribution of the volunteers without which this event could not be complete are also appreciable



Internal Hackathon of Smart India Hackathon 23 concluded



Innovative ideas could be submitted till October 31 to participate in the Senior SIH under the Smart India Hackathon. It contained 179 software related and 55 hardware related topics. Brilliant students and faculty of Faculty of Engineering, College of Computing Sciences and IT, College of Paramedical Sciences and College of Agricultural Sciences from Teerthankar Mahaveer University, Moradabad geared up themselves for the tough test of innovative ideas i.e. Smart India Hackathon-2023.

The event was organized under the Smart India Hackathon which brought together engineers, coders and innovators to utilize their creativity and problem-solving skills. Team Arun stood first, Team Spark Plug stood second and Team Code Wars stood third. Prof. R. K. Dwivedi, Principal of FOE & CCSIT said that through Smart India Hackathon, students have been getting an opportunity to participate in national development and taking risks by the students may be proved beneficial because they do not have big responsibilities at this phase of life.

He thanked the teachers for advising and guiding the students. He informed the students about the project award category. The whole aim of Smart India Hackathon is to achieve the capability to show that India is an innovative country. In the internal Hackathon, 24 teams of 6 students from the institute were selected for the final Smart India Hackathon 23. For this, 18 teams of software and 06 teams of hardware were included in the first phase. During this, participants were challenged to tackle real-world problems by developing innovative solutions.



The participants in the Hackathon presented projects on Artificial Intelligence, Railways and other topics which were in line with the vision of Smart India Hackathon. The jury of the Hackathon consisted of Prof. Aashendra Kumar Saxena, Dr. Shambhu Bhardwaj, Mr. Rupal Gupta, Dr. Bhupesh Ghai, Dr. Shashi Mehrotra, Dr. Rahul Sharma, Dr. Vipin Khattri, Mr. Ajay Chakraborty, Dr. Pankaj Kumar Goswami, Dr. Shubhendra Pratap Singh, Dr. Vipin Kumar, Dr. Alka Verma, Dr. Rohit K. Singh Gautam, Dr. Ashish Simalti and Dr. Gandharva Kumar. The jury selected the final teams for the final Smart India Hackathon. The Principal, Prof. R K Dwivedi expressed his delight at the incredible talent projected during the Hackathon. Software version coordinators were Mr. Ashish Vishnoi and Mr. R P Pandey, and hardware version coordinators were Mr. Pradeep Kumar Verma. Certificates were distributed to all the students, mentors and the jury.

MYSTIC

• A Freshers' Party by Students of B.Sc. Animation



- PRASHANT JOSHI and SNEHA became Mr and Miss Fresher
- ARNAV CHAHAL and MUSKAN became Mr. Handsome and Miss beautiful



Freshers' Party for B.Sc.-Animation students – Mystic was organized at the CCSIT, Teerthankar Mahaveer University on 01st November 2023. Director and Principal of CCSIT, Prof. R.K. Dwivedi inaugurated the event by lamp lighting. On this occasion Vice-principal Dr. Aashendra Saxena, HOD of CCSIT Dr. Shambhu Bhardwaj, Proctor R.C. Tripathi and B.Sc. Animation Program Coordinator Mr. Jyoti Ranjan Labh were present. In Mystic, PRASHANT JOSHI got Mr Fresher and SNEHA got Miss Fresher crown while Mr. Arnav Chahal and Muskan got Mr. Handsome and Miss beautiful crown respectively. Prof. RK Dwivedi said that the Animation Department is growing with time and in this way people kept meeting. Mystic was conducted by third semester students Aakash and Vashnavi.

Khushi, first year student in started the program by singing the welcome song 'raam aayenge' First year students presented couple dances and group dances on different songs. Anushka, a first year student made the environment emotional with her heart touching poetry. Prashant and Sneha, first year studens performed duet dance on the song 'hua chokra jwaa re...'. At the end, the enthusiastic students added fun on the program by walking on the ramp. The jury was consisted of Ms. Zareen Farook, Mrs. Shikha Gambhir, Mrs. Heena Hasami and Mrs. Neeraj Chauhan. To make the program more interesting, Judges gave different challenges to the first year students based on their hobbies and students also showed their skills in drama and dances actively. Mr. Pradeep Kumar Gupta, Mr. Ankur, Mr. Satendra Rathi, etc were also present in the freshers' party.



It is the day where seniors and juniors assemble to celebrate being a part of the college. The day has become memorable and joyful in the life of every fresher of the academic year 2023-2024 batch. AAROHAN, a freshers-welcome event was organized on 2nd November 2023 by second year students of B.Tech. AI + TCS at Riddhi Siddhi Bhawan, TMU. The program was conducted from 9:00 AM to 4:00 PM and after the completion of program all students enjoyed the DJ evening "SONIC DASH" which ended at 6:00 PM. The program started with lamp lightening by the dignitaries. It was an honor to have Hon'ble Vice Chancellor, Prof. Raghuvir Singh, as a Chief Guests accompanied by the Principal-CCSIT, Prof. R.K. Dwivedi, the Vice Principal-CCSIT, Prof. Aashendra Saxena, the program coordinator B.Tech. (AI), Mr. Rupal Gupta and the program coordinator B.Tech. (TCS), Mr. Vivek Kumar.



To judge the performance of juniors, the honorable jury was Mr. Aaditya Jain, Ms. Nitika Jain, Mr. Harjinder, and Ms. Sukrati Jain.

Freshers got the chance to showcase their talent by a stunning Ramp-Walk which consisted of three rounds: Ramp Walk, Talent Hunt, and Query Round. There were performances like dance, shayari, stand-up comedy, and many more. There was a tough competition among the freshers because they all were amazing.

The judges announced the winners of the show and provided the following titles:

Mr. Fresher: Mr. Akshat Jain of B.Tech. (AI)
Miss Fresher: Miss. Poorvi Shukla of B.Tech. (AI)
Mr. Charming: Mr. Kavya Jain of B.Tech. (AI)
Miss. Charming: Miss. Niyati Jain of B.Tech. (AI)
Mr. Attire: Mr. Yash Jain of B.Tech. (TCS)

There were some more title-awards like Runner Ups, Best Dressing Sense, Best performance, Winners of Games, and Quiz winners. A token of respect was given to judges for devoting their precious time all through the day. The entry of the juniors was only allowed with passes which was provided by management committee of fresher's party. All students and faculty members enjoyed food and beverages after the performances.

National conference on 'Sustainable Development in Context of Ancient & Modern Indian Knowledge System –Role of Science Engineering and Technology



The Department of Civil Engineering - Faculty of Engineering, Teerthanker Mahaveer University, in collaboration with SSMD organized a national conference on 'sustainable development in context of ancient & modern Indian knowledge system –Role of Science Engineering and Technology'. The aim of this conference was to adopt and develop Bharatiya languages as media of Science, Engineering & Technology (SET) at all levels, especially in taking SET to the masses and to spread the splendid contributions of ancient SET, Bharatiya civilization, culture and art amongst students / youth for laying the foundation of modern sciences towards establishing that modern science which is not at all a western product. Chief Engineer of PWD, Mr SP Singh Gangwar as a chief guest, Chief Engineer of UP Jal Nigam, Mr AK Singh as a special guest, President of Swadeshi Science Movement of India Dr. DP Bhatt, Hon'ble VC of TMU, Prof Raghuvir Singh, Registrar of TMU, Dr. Aditya Sharma, Director of FOE and Conference Chair Prof. RK Dwivedi, Program Coordinator Dr. Vikas Srivastava inaugurated the National Conference by lighting the lamp in front of Mother Saraswati.



KHEL UTSAV-2023



Faculty of Engineering, Teerthanker Mahaveer University organised the Annual Sports Meet-2023 on 06th-07th November 2023. The various indoor and outdoor sports events were performed in the college. The students of Engineering, Sciences and Diploma participated were full with zeal and sportsman spirit. Principal of FOE, Prof. R. K. Dwivedi inaugurated the sports festival by blowing up tricolour balloon. He addressed the students and encouraged them to play with hard work and honesty.

Principal FOE, Prof. R.K. Dwivedi said, "There are only two aspects of the game - defeat and victory. So without worrying about winning or losing, everyone should perform in the games to give the best of your ability." He further added that sports also keep us healthy like yoga. All the candidates did march past on this occasion. Khel Utsav-2023 successfully conducted from November 06 to November 07, 2023. In the Khel Utsav-2023, around 425 students from various departments showcased their sportsmanship in different sports. The sports conducted this year are Chess, Athletics, Football, Kabaddi, Tug of War, Volleyball, Chess, Carrom, Kho-Kho and Badminton.



Faculty of Engineering, Sports Coordinator Mr. Vijendra Singh Rawat told that all the games had been played under knockout mode. In addition, certificates were awarded to all winners. The faculty coordinators, Students coordinators helped in maintain all the discipline and their hard work result in grand success of this event. Dr. Pankaj Goswami (Vice-Principal FOE), Dr. Vipin Kumar (IQAC), Mr. Rahul Vishnoi (Proctor), HODs of different departments also gave their support in maintaining the smooth conductance of each and every sport.



CHESS

The chess tournament was organized in 06 matches by Dr. Abhinav Saxena and Mr. Ashok Kumar. Total 07 students participated in the event.

CARROM BOARD

The carrom board tournament was organized today in 23 matches. The games were played under the supervision of Dr. Narottam Singh Chauhan and Dr. Varun Singh.

In the first round, there were total of 24 participants where total of 23 matches were played. 06 winners came out.

BADMINTON

Boys played in 22 rounds. In male category, Satyam came first and Tanishq Pal stood at second place. On other side in female category, Ankita Saini came first and Nikita Sharma was second. Event was coordinated by Mr. Umesh Singh.

VOLLEYBALL

Total 43 registrations were received for volleyball. The final match of Volleyball was played between the teams of Diploma + B.SC. and B.Tech. In the final, the team of Diploma + B.SC. scored 6 goals while the team of B.Tech. could only score 5 goals. Event was coordinated by Dr. Diwakar Pathak.

KABADDI

The Kabaddi tournament was organized by Mr. Siddharth Mathur and Mr. Sunil Sharma. There were 3 teams (Warriors, Black Panthers, and Titans).



TUG OF WAR

The tug of war tournament was organized by Dr. Rohit Kumar Gautam and Dr. Vishnu Prasad Srivastava. Total 34 participants tried their best in two rounds.

Track and Field (100m Race)

The Track and Field (100m Race) was organized in 08 rounds. The games were played under the supervision of Mr. Shashank Mishra and Mr. Dinesh Kumar Yadav. Total 24 registrations were received. In the first round there were a total of 24 participants, where a total of 8 Rounds were conducted, out of which 6 winners came out from this round.

Sport Kho-Kho

Kho-Kho tournament was organized by Mr. Amit Kumar and Mr. Pradeep Kumar verma. Total 15 participants tried their best.

FOOTBALL

The games were played under the supervision of Dr. Gandharv Kumar and Mr. Mayur Gupta. There were total 18 students from various departments of FOE who actively participated in this game. Two teams were formed, one team was led under the captainship of Lalit Kashyap and other team was lead under the captainship of Ankit Singh.



ROAD SAFETY AWARENESS PROGRAM



The inaugural of the program was done by Prof. Rakesh Kumar Dwivedi (Principal & Director CCSIT & FOE, TMU), Dr. Anoop Singh DSP CO Traffic Moradabad, Shri Akhilesh Bhadauria PPS, ADDL. SP (CITY) Moradabad, Shri Mahesh Chandra Gautam PPS, DSP CO Highway Moradabad, Shree Subhash Chandra Gangwar PPS Additional SP-Traffic, Moradabad, Shri Hemraj Meena, IPS (IPS-RR-2012) SSP Moradabad, Shri Muniraj G. IPS, (IPS-RR 2009) DIG Moradabad, Shri Suresh Jain, Hon'ble Chancellor, TMU Moradabad and Prof. RC Tripathi Professor NBA Coordinator & Proctor CCSIT, TMU by Lamp Lighting & Saraswati Pooja and a road safety play by the students of CCSIT, TMU.

Prof. (Dr.) RK Dwivedi, Principal & Director, CCSIT & FOE, TMU delivered welcome address in the program. In his welcome address he appreciated all the resource person for coming to TMU and addressing the students faculty members and research scholars of the College. He said that most of the road accidents happen because people don't follow traffic rules and drive on the wrong side of the road. He also said that two wheelers driver should always wear helmets and four wheelers should wear belts at the road driving time to avoid accidents and fatal injuries in the program. Shri Akhilesh Bhadauria PPS, ADDL. SP (CITY) Moradabad, Shri Mahesh Chandra Gautam PPS, DSP CO HIGHWAY Moradabad, Shri Subhash Chandra Ganwar PPS ADDITIONAL SP-TRAFFIC, Moradabad, addressed the event with power point presentation. Shri Gangwar SP Traffic Moradabad said that no. of deaths in road accidents are killing more people than the people deaths in any war in the entire world.



Shri Hemraj Meena, IPS (IPS-RR-2012) SSP Moradabad, UP also addressed the event with his keynote address. He said that College going students don't wear helmets and do zigzag drive on the roads which is increasing no of road accidents in the Country. He further said that quality of roads in India had been improved significantly in India now days due to that people are driving fast without following traffic rules which is increasing road accidents in the country.

Shri Muniraj G. IPS, (IPS-RR 2009) DIG Moradabad, UP India was the Chief Guest of the event and he said that more than 1.5 Lakh peoples per year in India are killed by the road accidents. He shared the data of Ministry of Road and Highways Govt. of India and has stressed to follow The 5 E's - Education, Encouragement, Enforcement, Evaluation, and Engineering concept while driving on roads.

Shri. Suresh Jain, Hon'ble Chancellor, TMU Moradabad gave vote of thanks in event. Prof. RC Tripathi was the convener of the program. The program was very useful for the faculty members, students and research scholars of CCSIT, TMU. The program was concluded by singing Natlaonl Anthem in the Auditorium. The event was widely covered & published by all the local national newspapers of Moradabad and India.

VIRTUAL LABORATORIES WORKSHOP

Organized by Faculty of Engineering (FoE), Teerthanker Mahaveer University, Moradabad
In Collaboration with
IIT KANPUR

The workshop's primary goals were to raise awareness of virtual labs and their use in the regular curriculum and to offer a comprehensive learning management system for laboratory education. With the help of tools, simulations, extra online resources, video lectures, and animated demonstrations, students would have an enhanced teaching and learning experience. Dr. Amit Kumar Sharma, Head and Associate Professor, Physics Department, FoE, and Nodal Coordinator, Virtual Lab, FoE, began the session. 105 faculty members and students participated in the workshop. In his welcoming remarks, the workshop convener, Dr. Amit Kumar Sharma, underlined the significance of holding such a workshop and provided program details and the event's theme. The workshop was executed virtually, using the primary virtual lab website as a live demonstration platform for the experiments.



Mrs. Suman Tripathi, Project Eng. of Virtual Labs at IIT Kanpur and the speaker covered the fundamentals, goals, and varieties of virtual labs. She also gave a hands-on demonstration of how virtual laboratories work in many disciplines. She stated that through remote access, virtual experiments provide pupils a genuine sense of practical challenges. Additionally, she requested that before doing an experiment in the physical lab, the Faculty must go through the experiments conducted in the V-labs. Improved understanding and deep learning of the topics will result from this. She also advised the faculty members to use the virtual labs to replace the theory concepts taught in a few of the standard curriculum courses, in addition to using them for the lab component. She moved through a number of others experiments. She then gave training, going over each step in detail, starting with opening the relevant website to access a specific experiment. She described various experiments in great detail. She gave a demonstration of a biotechnology and biomedical engineering experiments. She did an experimental demonstration on the isoelectric precipitation of casein contained in milk, which she presented during the Biochemistry Virtual Lab. Test to find the isoelectric precipitation of casein in a certain specimen's milk and a presentation of Virtual Labs for Molecular and Cell Biology I.



Later the session was addressed by Mr. V. K. Tripathi Senior Project Associate of Virtual Labs at IIT Kanpur and Speaker. He did an experimental demonstration on the thermal properties of the materials, which he presented during the HMT Virtual Lab. Test to find the thermal conductivity of various materials in a thermal environment and a presentation of Virtual Labs for SEM also. The faculty members and students were very much interested in the workshop's relevant topic.



DIWALI FEST



The College of Computing Sciences and Information Technology-CCSIT, Teerthanker Mahaveer University-TMU, Moradabad celebrated Diwali Fest on 10th November, 2023 in LT-6. The fest was inaugurated by Prof. Rakesh Kumar Dwivedi, Director and Principal of FOE&CCSIT by lighting the lamp in front of Bhagavan Shri Ganesh, Maa Saraswati, Maa Lakshmi and Shri Ram Darbar. During the event, the faculty and staff members participated with great zeal and enthusiasm. On this occasion, all faculty and staff members also lit the lamp and did the prayers. Many Faculty members showcased their talent through singing and dancing. The programme was followed by lighting diyas in CCSIT Compound. The prasad was distributed to all at the end of the programme. The anchoring was beautifully done by Dr. Priyank Singhal and Ms. Vandana Sharma.

Director and Principal of FOE&CCSIT Prof. Rakesh Kumar Dwivedi said, Diwali signifies the spiritual victory of light over darkness, good over evil and knowledge over ignorance. The lights of Diwali signify the time to destroy all our wrong desires and thoughts, wipe out the evils and give us the strength and enthusiasm to carry on with our goodwill for the rest of the year. Prof. Dwivedi said, Deepavali brings light, illumination, positivity, and prosperity in our life. Diwali is all about happiness and jubilation. He also told the reason for celebrating Diwali. He said, on this day Prabhu Shri Ram returned to Ayodhya with Maa Sita Ji and his brother Shri Lakshmana Ji after spending 14 years in exile and defeating the evil king Ravana. It is said that the people of Ayodhya organized a grand ceremony on the occasion of the victorious return. Prof. Dwivedi extended his warm wishes and greetings to all the faculty members and staff members on the occasion of Diwali, wishing them prosperity, good health, and knowledge.



At the end of the program, event coordinator Dr. Sandeep Verma delivered the vote of thanks to all. On this occasion, Prof. Ashendra Kumar Saxena, Vice Principal, CCSIT, Dr. Shambhu Bhardwaj, HOD, CCSIT, Prof. R.C. Tripathi, Proctor, CCSIT, Mr. Amit Singh, Mr. Manish Tiwari, Mr. Abhishek Saxena, Mr. Manoj Gupta, Mr. Nikhil Saxena, Mr. R.P. Singh and all other faculty and staff members were present.



SPORTS ACTIVITIES



In Carrom, total 23 participants were participated and Mr. Navneet Vishnoi II was the Winner and Mr. Nikhil Saxena was the Runner-up. In Musical Chair, total 08 participants were participated and Ms. Hina Hashmi was the Winner (Female Category) and Mr. Pradeep Sharma was the Winner (Male Category). In Lemon Spoon Race, total 12 participants were participated and Ms. Vandana Sharma was the Winner (Female Category) and Mr. Dinesh Kumar was the Winner (Male Category). In Cricket (Tennis Ball), CCSIT Team A was the Winner and CCSIT Team B was the Runner-up. Mr. Navneet Vishnoi II of CCSIT Team A got the Man of the Match award.

The Faculty Club of College of Computing Sciences and Information Technology-CCSIT, Teerthanker Mahaveer University-TMU, Moradabad organised two days Sports Activities on 17-18 November, 2023 in LT-2/CCSIT Compound/Indoor Stadium/Cricket Stadium, TMU. During the event, the faculty and staff members participated in various Sports Activities like Badminton, Chess, Carrom, Musical Chair, Lemon Spoon Race and Cricket (Tennis Ball) with great zeal and enthusiasm. Many Faculty members showcased their talent through active participation in these activities.

In Badminton, total 15 participants were participated and Mr. Ayush Banerji was the Winner and Dr. Nupa Ram Chauhan was the Runner-up.

In Chess, total 15 participants were participated and Mr. Nikhil Saxena was the Winner and Mr. Navneet Vishnoi II was the Runner-up.



At the end of the program, Faculty Club Coordinator Dr. Sandeep Verma extended his heartiest gratitude to all. On this occasion, Prof. Ashendra Kumar Saxena, Vice Principal, CCSIT, Dr. Shambhu Bhardwaj, HOD, CCSIT, Prof. R.C. Tripathi, Proctor, CCSIT, Mr. Anuj Raghav, Coordinator Sports Activities of Faculty Club, Dr. Nupa Ram Chauhan, Secretary, Faculty Club, Mr. Abhishek Saxena, Mr. Manoj Gupta, Mr. Akshay Saxena, Mr. Nikhil Saxena, Mr. R.P. Singh and all other faculty and staff members were present.



Workshop on Basic Research Needs For Science, Engineering & Technology



The workshop was started with lamp lightening and Saraswati Vandana. The respected Principal of FOE and CCSIT, Prof R K Dwivedi along with Vice Principals, HODs and Coordinators joined the spiritual beginning and enlightened the program with their gracious presence.

Ms Vartika Gupta welcomed all and presented the agenda of the workshop. The workshop was curiously attended in online & offline mode by the more than 100 registered research scholars, faculty members and the interested students.

The respected Principal addressed the gathering and made them realised the significance of research that is continuous process and has its incremental nature. He said that a research is done in different dimensions. It must be conducted with honesty and time management. He encouraged the participants for their research work with sincerity. He delivered his best wishes for the workshop.



Dr. Parag Agarwal, Dr. Navneet Kumar & Mr. Amit Vishnoi were the workshop coordinators. Dr. Parag Agarwal, Coordinator, CR- CCSIT shared the latest Ph.D. Ordinance and explained each detail. Prof. Ashendra Kumar Saxena, Vice Principal of CCSIT elucidated all important functions of the plagiarism checking software- Drillbit prescribed and recommended by the UGC. Dr. Shambhu Bharadwaj, HOD- CCSIT depicted E-Resources & Research Facilities available in TMU Library and motivated the participants to use them actively. Dr. Priyank Singhal threw insights on how to prepare Literature Review. All the sessions were interactive and well taken by the participants.



Mr. Amit Kumar Vishnoi coordinated certificate-distribution and valedictory Session. The workshop was very informative and useful for all. Respected Principal of FOE & CCSIT appreciated College Research Committee, FOE & CCSIT for this useful workshop. The workshop was well-coordinated by the organizing team of CRC-FOE & CCSIT, TMU. Dr Vipin Kumar (Head of IQAC, FOE & CCSIT), Dr. Vivek Kumar, Dr. Sandeep Verma, Dr. Ajay Upadhyay, Ms Indu Tripathi, Mr. Ajay Rastogi, Mr. Ajay Chakravarti, Mr. Pulkit Raj Saxena, Mohd Saleem, Mr. Vineet Saxena, HODs, CODs and faculty members of various departments graced the workshop and praised this worthy attempt.

Hand on Technical Training on waterproofing for Skill Development in Construction



The Department of Civil Engineering, in collaboration with UltraTech Cement, organized a workshop on 'Hand on Technical waterproofing with the primary focus on skill development' for local masons. The event took place at TMU, Moradabad and aimed to educate and empower construction workers with essential knowledge and techniques related to waterproofing in construction.

Inaugural Address by Director Prof. Dr. R K Dwivedi:

The event commenced with an inaugural address by the Director, Prof. Dr. R K Dwivedi. He emphasized the university's commitment to skill development in the construction sector and highlighted the importance of imparting knowledge to masons. Dr. Dwivedi stressed the significance of following standard procedures for the application of waterproofing in construction projects, ensuring durability and longevity of structures.

Lecture by Dr. R K Jain on Waterproofing and its Necessity:

Dr. R K Jain, an eminent expert in the field, delivered a comprehensive lecture on the importance of waterproofing in construction. He elucidated the various techniques and materials available for effective waterproofing, underlining their significance in preventing water ingress and protecting buildings from structural damage. The session provided valuable insights into the necessity of incorporating waterproofing measures in construction projects.

Lecture by Dr. Ashish Simalti on Damping in Buildings:

Dr. Ashish Simalti addressed the audience, shedding light on the reasons for damping in buildings. His presentation explored the various factors contributing to dampness and the adverse effects on structures. Dr. Simalti's insights provided a holistic understanding of the challenges associated with moisture-related issues in construction.



The highlight of the workshop was the practical hands-on training session conducted by expert Mr. Vishal Rana from UltraTech Cement. He demonstrated the correct procedures for applying waterproofing solutions and showcased UltraTech's range of products. The interactive session allowed participants to gain first-hand experience and develop practical skills in waterproofing applications.

The collaboration with UltraTech Cement proved to be invaluable, as the experts not only shared theoretical knowledge but also provided real-world applications of waterproofing techniques. Participants had the opportunity to interact directly with industry professionals, enhancing their understanding of the subject.



IBM Bag-distribution Program



On 28th November, 2023, IBM bag-distribution program was held for B.Tech. IBM 3rd sem students. Welcome address was given by Program Coordinator Mr Amit Singh and he welcomed the respected Principal, Prof R K Dwivedi along with other dignitaries & students. After that Prof. R.K. Dwivedi addressed the students. He said how to connect with good academic excellence and told the importance of practical knowledge etc. The IBM bag is more than just a functional accessory; it represents the fusion of academia and industry, offering a tangible reminder of the opportunities and experiences that come with being part of a globally recognized institution and its collaborations. Sincere gratitude to IBM for their support in enhancing the educational experience for the students was delivered. The bags are practical and stylish additions to the academic gear, reflecting the commitment to providing the students with resources that complement to the students' educational journey. Session was ended with Vote of Thanks by the student.

Ministry of Education's Innovation Cell (MIC) Institution Innovation's Council (IIC) Regional Meet at Amity Noida



Teerthanker Mahaveer University Moradabad participated in IIC regional meet at Amity Noida on 23 November 2023. 10 Students from B. Tech EE/EC/CS & BCA participated in Yukti innovation Challenge under the banner of Institution's Innovation Council (An initiative of Ministry of Education).

Regional meets are the flagship programme of Ministry of Education's Innovation Cell (MIC), designed to provide a networking platform for IIC institutions and prospective IIC institutions to celebrate their contribution towards institutionalizing and streamlining their campus innovation ecosystems and leading the innovation movement in Higher Education Institutions. Around 800-1000 participants joined this meet from 300 IIC Institutions, 50 ATL Schools, 50 Non IIC Institutions, more than 20 Regional Ecosystem Enablers, 100 Innovators & Startups, 50 ATL Schools, 50 Experts, Mentors and Policymakers and 10 State and Central Govt Agencies participated in this Regional Meet.

The Meet was inaugurated by Prof. T. G. Sitharam, Chairman, AICTE, Ministry of Corporate Affairs, Govt of India, Dr. Atul Chauhan, Chancellor, Amity University Uttar Pradesh, Mr. Dipan Sahu, Asst. Innovation Director, MIC, Dr. Jitender Kumar, Managing Director, BIRAC, Dr. Mamta Rani, Advisor-I, AICTE and Dr (Prof) Balvinder Shukla, Vice Chancellor, Amity University Uttar Pradesh.



Addressing the students of Amity during the Inaugural Session, Guest of Honor, Prof. T. G. Sitharam, Chairman, AICTE, averred, "India will become the most developed nation of the world by 2047 and during this Amrit Kaal, we have to take higher education to the next level and work on various transformational reforms. NEP 2020 includes excellent policies and initiatives which must be implemented in the next 25 years to make India the knowledge capital of the world, but it is not being followed. The vision for Amrit Kaal includes providing education in mother tongue so that it can reach maximum number of people. Therefore, we have published many books in regional languages, and have also created reforms in examinations. Rote learning and writing in examinations has to be changed. We have also taken a big step forward to integrate skilling into education since skill development is extremely crucial for the development of the country. India's vision is not only to become 'Aatm Nirbhar' or self-sufficient but also to become a 'Vishwa Daata', i.e. a 'giver', as witnessed during the pandemic when India provided vaccines to more than 100 countries and helped them." He lauded Amity Education Group for making a great contribution to nation-building.



Road Safety NSS Camp by CCSIT NSS, TMU



In a commendable effort to promote road safety awareness and instill responsible behavior among citizens, a National Service Scheme (NSS) camp was successfully concluded through the combined efforts of CCSIT-NSS, TMU, and a dedicated group of volunteers. The road safety camp, which unfolded on 2nd Dec 2023, took place in Village: Aurangabad, Dist. Moradabad where the CCSIT-NSS team coordinated a series of engaging activities. The success of the event can be attributed to the sincere and dedicated efforts of the CCSIT NSS team, TMU, and the passionate volunteers who actively participated in the camp. Their commitment to foster a culture of road safety was evident throughout the duration of the program. The camp incorporated a multifaceted approach to promote road safety awareness. Practical demonstrations, skits (Nukkar Natak), and interactive sessions with the local community were organized to effectively communicate key messages. The use of skit performances, or Nukkar Natak, added a dynamic and engaging element to the camp. These theatrical representations creatively conveyed important road safety messages, captivating the attention of the audience and leaving a lasting impression. The camp incorporated a multifaceted approach to promote road safety awareness. Practical demonstrations, skits (Nukkar Natak), and interactive sessions with the local community were organized to effectively communicate key messages. Practical demonstrations formed a key component of the camp's activities. Volunteers showcased the proper usage of safety equipment such as helmets and seatbelts, emphasizing their role in reducing the severity of injuries in the event of accidents. The success of the NSS camp on road safety was palpable in the positive feedback received from participants and the community alike. As CCSIT NSS, TMU, and the dedicated volunteers reflect on this achievement, it solidifies their commitment to future initiatives that promote social awareness and responsibility. We extend our sincere gratitude and admiration to our esteemed Principal Professor Rakesh Kumar Dwivedi, Vice-Principal Professor Ashender Kumar Saxena, and other authorities for their unwavering support in the successful culmination of the NSS camp on Road Safety. Their visionary leadership and encouragement have been instrumental in shaping the camp's vision and ensuring its seamless execution. Their commitment to foster social responsibility among students has empowered us to undertake impactful initiatives. We express our deepest appreciation for their guidance and trust, which have contributed significantly to the development of responsible and engaged citizens within our college community. The camp was coordinated by Mr. Mohd Saleem, Assistant Professor and Coordinator NSS-CCSIT with honest support of Mr Satender Kumar and Ms Amita Sharma.



Industrial Visit Report: On-Grid Solar Power System



The industrial visit to the on-grid solar power system at Teerthankar Mahaveer University was organized for the students of Diploma and B.Tech. 2nd-year onwards by the Department of Electrical Engineering (FoE). The event aimed at providing practical insights into the functioning of on-grid solar power systems and their role in sustainable energy solutions. All participating students assembled at the stairs of the Faculty of Engineering college gate sharp at 11 am. Thereafter, our respected director sir Dr. (Prof.) Rakesh Kumar Dwivedi arrived for good wishes and told about the significance and importance of the visit in current scenario. Then a group photograph was clicked before the departure. Power Distribution and Consumption: The group learned about the distribution panels, capacitor banks, and various distribution panels catering to the power requirements of different colleges. The synchronization of solar panel power and grid power was showcased, and the total kWh meter calculated the complete power consumption through the grid. The industrial visit concluded at 12:35 PM, leaving students with valuable insights into the working of on-grid solar power plants. The Plant Engineer provided information on the university's load capacity, power demand, and other essential requirements for sustaining energy capacity. The visit offered a significant learning experience for all the participants, enhancing their understanding of on-grid solar power systems. The students expressed gratitude for the opportunity to witness the practical aspects of their academic studies. We are sincerely thankful for our Head of Department Dr. Subendra Pratap Singh who organized the internal industrial visit of Teerthankar Mahaveer University, Moradabad and also thankful to the respected faculty members of electrical engineering department in helping to make the visit informative and joyful.



IGNITE 2K2023 Party-B.Sc. (H) CS Freshers



B.Sc Hons-CS fresher's party - Ignite was organized at the College of Computing Sciences and Information Technology-CCSIT, Teerthanker Mahavir University. The fresher's party was organized by the second-year students of B.Sc. Hons-CS for their juniors. The party was inaugurated by the Vice Principal of CCSIT, Prof. Ashendra Kumar Saxena, Program Coordinator of B.Sc Hons-CS, Mrs. Neeraj Kumari and Class Coordinator Miss Vandana Sharma by lighting the lamp in front of the statue of Maa Saraswati. In the Fresher Party- IGNITE, Ayush Kumar got the title of Mr. Fresher and Jiya Singh got the title of Miss Fresher. Vice Principal of CCSIT Prof. Ashendra Kumar Saxena said, B.Sc.-Hons. CS is one of the best programs of this university. He said, the percentage of unemployment in this program is zero. Apart from working in renowned multinational companies of the country, our students are also studying in foreign countries for higher education

He blessed the students to grow with discipline in every aspect and wished them all the best for their bright future. Prof. Saxena also extended his hearty congratulations to all the winners. Deeksha Singh gave a brilliant presentation of classical dance in the fresher party- IGNITE. Garv Kaushik of first year presented a solo dance. Jiya Singh and Deeksha Singh enthralled everyone by their dancing Ramp Walk- Lifestyle, Balloon Boosting and Saree Wearing Games were organized at IGNITE 2023. Mrs. Shikha Gambhir, Mrs. Heena Hashmi & Mr. Aditya Jain were the jury members. On this occasion, HOD Dr. Shambhu Bhardwaj, Dr. Ranjana Sharma, Shri Jyoti Ranjan Labh etc. were also present



RUBARU 2K23



The most awaited event, Fresher's party in the name of 'Rubaru-2K23' was organized for BCA First year students by the Second-year students of CCSIT in Auditorium, TMU Moradabad. The program started with lamp lightening ceremony in front of goddess Saraswati. It is the day where seniors and juniors finally bond and unite to celebrate being part of the college. All the students presented their performance very actively and participated with full enthusiasm and Students were welcomed with the so much of enthusiasm. The inauguration of event started by kindling the lamp along with the blessings of goddess Saraswati by the dignitaries Prof R K Dwivedi, Principal of FOE&CS, Teerthanker Mahaveer University, Prof Ashendra Kr. Saxena, Vice Principle of CCSIT and Dr. Shambhu Bhardwaj, HOD of CCSIT. Singing, dancing, talent hunt and ramp walk were the most liked performances by all present there. Second year students performed solo dances while Atharv & Band mesmerized the audience with their performance. Couple Dance was also performed by Seniors and Juniors. Vaishnavi Gupta, Qambar Abbas were selected and awarded with the title of Miss. Fresher and Mr. Fresher respectively. Aditya Anand, Rimjhim were selected and awarded with the title of Mr. Handsome and Miss Gorgeous respectively. Dr. Sonia Jayant, Dr. Shalini Ninoria, Mr. Navneet Vishnoi and Mr. Ajay Chakravarty, graced the event as the jury members. Prof R K Dwivedi, Principal of FOE&CS appreciated the event and conveyed his best wishes to all the Freshers. Prof Dwivedi motivated them and reminded them about the whole sole objective of CCSIT. He elaborated on all career opportunities in BCA and encouraged the students to remain aware of these and to keep themselves updated. Dr. Ranjana Sharma, Program Coordinator of BCA First year delivered vote of thanks to all for making the event delightful and successful. The program was anchored by Noma Nawab, Sumaiya, Aman Jain, and Nikita Olak. Everyone enjoyed the program. Mr. Harjinder Singh, Dr. Nuparam, Dr. Shailendra Pal, Dr. Shalini Ninoria, Dr. Vipin Khatri, Rishi Saxena, Navneet Vishnoi2, Mrs. Hina Hashmi graced the event. The program was well coordinated by Dr. Ranjana Sharma along with team members and BCA II year students



12th International Conference on "System Modeling & Advancement in Research Trends (SMART-2023)



Teerthanker Mahaveer University (TMU) has successfully organized the 12th International Conference on System Modeling and Advancement in Research Trends (SMART-2023). The conference, organized by the College of Computing Sciences Information Technology (CCSIT), TMU, and the Institute of Electrical and Electronics Engineers (IEEE) UP Section, took place on December 22 and 23. The conference focused on the study and exchange of academic achievements of international researchers which serves as academic discussion communication platform which is beneficial for research in the field of computer science aiming to stimulate researchers in their work. The collection of papers in these conference proceedings was on Emerging Technologies, IOT & Wireless Communication, Digital Image Processing, Information Security & Engineering, Block Chain Technology, Industry 4.0, Education 4.0, System Modelling and Design Implementation Devices, Circuits, Materials and Processing, Power, Energy and Power Electronics, Biomedical Engineering and Healthcare Technologies. With participation from IT experts representing 11 countries, including Bangladesh, Russia, the United States, Hong Kong, Australia, China, Canada, Saudi Arabia, Uzbekistan, and Iraq, the event saw a dynamic exchange of ideas and insights. Additionally, participants from 12 Indian states contributed to the vibrant discussions and presentations



DAY - 2



A total of 105 research papers were presented across 15 technical sessions, covering 10 tracks. SMART-2023 received 491 submissions and each submission was reviewed by external reviewers and has been evaluated on quality, originality, and relevance. The technical program committee accepted 105 papers. As a result, 105 submissions were selected for discussion at the meeting of the program chairs and all papers were accepted for the presentation at the conference. Out of 491 submissions, 105 are chosen to be published in the proceeding of SMART-2023. The inaugural ceremony, graced by Shri Suresh Jain, TMU Chancellor, and Prof. SN Singh, Director of ABV-IIITM, Gwalior, set the tone for two days of engaging discussions. The event also welcomed notable figures from the IEEE UP Section, including Mr. K C Mishra and Dr. Varun KR Kakar, as observers. On day 1, Dr. Sanjay Kumar Ghosh, Professor at IIT Roorkee, served as the chief guest, while VK Jain, Founding Vice Chancellor SAGE University, Bhopal, India and PROF. RAGHURAJ SINGH, Dean of Research and Development at HBTU, Kanpur, were the guest of honor. Day 2 featured Prof. Prakash Chauhan, Director of NRSC-ISRO, Hyderabad, as the chief guest, and Dr. Unnat Jain from META, Pittsburgh, as the guest of honor. In addition to the technical sessions, the conference featured keynote addresses by leading academicians from industry and academia, such as 1. Dr. Danila Parygin, Associate Professor, VSTU, Cand. Tech. Sc., Volgograd, Russia. 2. Prof. Satish Kumar Singh Associate Professor. in Dept. of Information Technology, IIIT Allahabad (U.P.) 3. Prof. (Dr.) Prabhakar Tiwari Associate Professor, Deptt. of EE, MMTU-GKP. 4. Prof. (Dr.) Dilip Sharma, Associate Dean (Academic Collaboration), GLA University, Mathura. 5. DR. RAVENDRA SINGH Professor (CSE) MJPRU, Bareilly 6. DR. VINAY RISHIWAL Professor CSIT, MJPRU, Bareilly 7. DR. VIBHASH YADAV Associate Professor & Head (IT) Rajkiya Engineering College Banda (U.P.) 8. PANKAJ DWIVEDI Sr. Database Developer NIAID CRMS 9. MR. MD. SADEKUR RAHMAN Assistant Professor Dept of CSE and Engg Daffodil International University 10. DIVYA SAXENA Research Assistant Professor HKPU, Kowloon, Hong Kong. 11. NEERAJ DWIVEDI SQLServer/Postgres DBA/ Developer Microsoft Certified Professional. 12. Dr. Karan, Associate Professor, JNU, New Delhi. The conference featured distinguished keynote speakers, including Daniela Parigin from Russia, In a gesture of appreciation, guest participants were honored with certificates, marking their invaluable involvement in the conference. Prof. (Dr.) Rakesh Kumar Dwivedi, Director and principal of the Faculty of Engineering & College of Computing Sciences Information Technology at TMU, expressed his satisfaction with the event's smooth execution. He highlighted the conference's role in bolstering TMU's dedication to driving innovation, fostering knowledge exchange, and advancing research trends in the field. The successful hosting of SMART-2023 underlines TMU's unwavering commitment to shaping the future of technological and academic advancements.



4th National Conference on Materials & Devices (NCMD-2023)



December 28 – 29th were indeed great for Teerthanker Mahaveer University. SERB (DST) sponsored 2 Day's 4th National Conference on Materials and Devices (4th – NCMD-2023) under the convenorship of Dr. Diptonil Banerjee and Dr. Amit K Sharma, Department of Physics, FoE, Teerthanker Mahaveer University was inaugurated on 28th December 2023. On that occasion more than 20 renowned scientists, academicians and industry persons came from different premier institutions around the country. One of the most prominent academician Dr. Meena Mishra, Director, Solid State Physics Laboratory (DRDO) Delhi graced the inaugural as chief guest whereas Prof. (Dr.) Pankaj K Shrivastava from Department of Physics, IIT-Delhi and Dr. Shyam Sundar Tiwari, Ex Scientist, BARC, Mumbai were present Director Advanced Sensor Research Organization was present as Guest of Honors. On Day 1 i.e. 28th December 2023 the inaugural program started at sharp 10 o'clock with the lamp lightening and Saraswati Vandana followed by a brief welcome address by Conference chair Prof. (Dr.) Rakesh K Dwivedi who elaborated the general theme of the conference. Dr. Aditya Sharma, Registrar, TMU then welcomed all the guests as well as the audience and expressed his heartiest best wishes towards the success of the conference. On behalf of the entire NCMD team, convenor Dr. Diptonil Banerjee welcomed every one and said a couple of words regarding the gradual development of the conference to its present form from its initiation. It was then time for unveiling the proceedings of NCMD by Shri Akshat Jain, Honorable Executive Director, Teerthanker Mahaveer University along with the chief guest and other members present on the Dais. In his brief address Shri Akshat Jain welcomed all the delegates and expressed his anticipation regarding the future of semiconductor industry in India. Both the Guest of honors Prof. Shrivastava and Dr. Tiwari expressed their views regarding the prospects of materials and devices in India in their addresses. Prof. Shrivastava further added that as a formal collaboration exists between TMU and IIT Delhi, it can be further extended in future and invited all to IIT Delhi for any kind of academic support. In his address Dr. Meena Mishra expressed her appreciation to NCMD team and TMU management for conducting such conference on state of art topic. The inaugural session was ended with a thanks to everyone from the program host Ms. Indu Tripathy





The first technical session consisted of two plenary talks given by Prof. Pankaj K. Shrivastava, IIT (D) and Prof. Kalyan Kumar Chattopadhyay, Jadavpur University Kolkata and one Invited talk by Dr. Sanjeev Sharma, CCS University Meerut. All discussed different aspects of materials and devices as per their expertise. Post Lunch Session was divided into two parts one for offline and other for virtual mode presentation both consisted of good many numbers of invited speakers as well as even more numbers of contributory oral presentation. In this session the lectures were given by invited speakers from different renowned institutions like University of Allahabad (Prof. Kamlesh Pandey), Gurukula Kangri University (Dr. Pavan Kumar), IIT, Hyderabad (Dr. Yogesh Shrivastava), S.N. Bose National Centre for Basic Sciences (Dr. Sujoy Ghosh), University of Lucknow (Prof. R. K. Shukla), Bareilly College (Prof. Avinash Agarwal), Advanced Sensor Research Organization (Dr. Shyam Sundar Tiwari) and Teerthanker Mahaveer University itself (Dr. Sunkulp Goel). Apart from this around 30 high quality contributory oral talk (both off line as well as virtual mode) were delivered by faculties and research scholars from various states like West Bengal, UP, Karantaka, Rajasthan, Uttarakhand, Delhi and many other states. The first day ended with thanking note from the convenor to every guest, speakers, participants, delegates and session chairs with a promise of next day meeting at the same venue. The second Day (29th December) started with the plenary talk of Prof. Santanu Ghosh of IIT Delhi followed by tow state of art Invited talk given by Prof. Anil K Chaudhary of Hyderabad University and Dr. Jai Prakash of Aligarh Muslim University. After the High-Tea the parallel technical session was started with multi-dimensional Invited talks from various academic institutions and industry like IISc Bangalore (Dr. Chandan Kumar), Kazi Najrul University (Prof. J N Roy), LAM Research India (Dr. Sushil Arun Samant), Center for Advanced Studies, Lucknow (Chandresh K. Rastogi) and Teerthanker Mahaveer University itself (Dr. Gandharve Kumar). All these talks were accompanied by equally interesting 22 contributory oral talks (both Off line and Virtual) from various institutes and universities with similar geographical variation as that of the first day. After the lunch a dedicated poster session was kept for the young researchers where 26 posters were displayed and evaluated by a panel of judges. The valedictory session was though brief but useful where after the welcome address the name of winners of poster and oral presenters were announced. In the category of oral presentation, the names of Urvashi Saxena, College of Pharmacy, Teerthanker Mahaveer University, Ms. Pragati Mishra M.L.K.P.G. College, Balrampur, Siddharth University Kapilvastu, UP and Km. Preeti of CCS University Meerut, UP were announced as award holders whereas in poster category Mr. Asif Ali Ansari of Aligarh Muslim University, Ms. Anshika Gupta of CCS University Meerut, Ms. Garima Chauhan of NIT Jalandhar and Nainsi Tomar-Aparna Singh duo of physics department Teerthanker Mahaveer University were acknowledged with best poster award. In the feedback session both the invited speakers as well as participants expressed great applauds for the excellent execution of the event and promised that in future, they would be happy to come again. The program ended with a formal vote of thanks given by conference secretary Dr. Vishnu P. Shrivastava followed by the National Anthem as a token of respect to the mother India. All took off with a content heart and desire of meeting again in the next edition of NCMD



Smart India Hackathon 2023



In line with the Prime Minister's vision of youth-led development, Smart India Hackathon (SIH) is a nationwide initiative to provide students a platform to solve the pressing problems of Ministries and Departments of the Government, industries and other organisations. Launched in 2017, Smart India Hackathon has gained massive popularity among the young innovators. In the last five editions, many innovative solutions have emerged in different domains and stand out as established start-ups. This year, the Grand Finale of SIH was held from 19th to 23rd December. In SIH 2023, more than 50,000 ideas were received from 44,000 teams, which is almost a seven-fold increase compared to the first edition of SIH. Over 12,000 participants and more than 2500 were shortlisted for the grand finale scheduled to be held at 48 nodal centres across the country. Total 1282 teams had been shortlisted this year for the grand finale to provide solutions on various themes including Space Technology, Smart Education, Disaster Management, Robotics and Drones, Heritage and Culture etc. After the qualification in Internal Hackathon one of our Team ELECTRIFIERS from Faculty of Engineering was selected for the Grand Finale of Smart India Hackathon 2023 in software edition. The team had a great combination as it consisted of members from both Electrical and Computer Science Engineering branches. The team was led by Krishna Aman (CSE) with 5 members Arjit Phogat (CSE), Ansh Sharma (EE), Mohit Kumar (EE), Kabul Jain (EE), and Prashant Kumar (EE). The team ELECTRIFIERS was mentored by Dr. Shubhendra Pratap, Assistant Professor (EED) and Dr. Diwaker Pathak, Assistant Professor (EED). The Problem statement was given by The Ministry of Power in Software category that was Designing of a Cyber Security Enabled Smart Controller for Grid Connected Micro-grids. A total of 25 teams participated in the non-stop 36-hour marathon Grand Finale of Smart India Hackathon (Software Edition) hosted by Royal Global University, on 19th and 20th December. The team travelled to the Royal Global University, Assam for the grand finale. The finale began from the morning of 19th Dec just after the breakfast in which the team had to develop their prototype within 36 hours of given time. The team had to go through various Evaluation rounds and Presentations. Team was also provided with snacks and food in the competition and there was also yoga and cultural activity session in between to recharge the participants. There was also an interaction session with Prime Minister Shri Narendra Modi, He interacted with 5 Nodal Centres in which Guwahati was one of them



Webinar on Last minute preparation strategy for GATE



Department of Mechanical Engineering; Faculty of Engineering and Computing Science, Teerthanker Mahaveer University Moradabad organized a webinar on "Last Minute Preparation Strategy for GATE" in collaboration with ACE Engineering Academy, Delhi, dated on 09-12-23. Firstly, Prof. R.K. Dwivedi, Principal, FoE & CCSIT addressed the students with his motivational words and discussed about the importance of qualifying the graduate aptitude test in engineering (GATE) exam. The Resource person Mr. Kaushik Agastyaraj, Senior faculty at ACE, addressed the students about the last minute preparation strategy for qualifying GATE exam. He mentioned various opportunities a student can achieve after qualifying the GATE Exam such as

- 1.Higher Education Opportunities: Masters Programs (M.Tech/MS/ME) and Ph.D. Programs
- 2.Financial Support: Scholarships and Stipends
- 3.Career Options in PSUs
- 4.Global Opportunities in many international universities to pursue higher education and research programs abroad.

In summary, qualifying the GATE exam opens up many opportunities for individuals, in advanced research institutions and career options in both the public and private sectors. It serves as a stepping stone for personal and professional growth, offering a platform to excel in the chosen engineering or science discipline.

Agenda: To motivate students towards competitive examinations



Educational or Industrial tour, Ultratech cement manufacturing plant at Aligarh



Department of civil engineering organized a one day educational/industrial visit to Ultratech cement manufacturing plant at Aligarh. Students along with faculty members visited the Grinding cement plant. It was a good exposure to the students and they were educated by the experienced personality Mr. Sourabh Saxena, Operational and Quality Head. He discussed about the whole manufacturing process of cement. A brief discussion with students was done about the challenges and operations in the plant. It was an industry- academia trip. For this valuable learning, Department of civil engineering is very much thankful to Director Prof. R.K. Dwivedi sir for his constant support and motivation.



Mathematics Day celebration



National Mathematics Day was inaugurated by lighting a lamp in front of Goddess Saraswati.

After that the chief guest Prof. (Dr.) Shivom Sharma Government of P.G. College, Bilaspur, Rampur said that mathematics has the highest place in Vedas. Vedic mathematics is like a gift to this world which has been given by the ancient civilization of India. In the same sequence, Shivom Sir told that in the beginning of the 19th century, 16 sutras and 120 words were given by Vedic mathematics, in which the names of some sutras are as follows. Akiken Purvena, Vyavit Samavati etc. Dr. Sharma thanked the Mathematics Department and Tirthankar Mahavir University for inviting him on the occasion of National Mathematics Day. He said that Srinivas Ramanujan was born in a very poor family and he could not speak for three years. In this sequence, Dr. Ajit Kumar, Head of the Mathematics Department, in his speech greeted all the guests present and explained the usefulness of mathematics. After that, Professor of Mathematics Department, Dr. Alok Kumar Gehlot said in his speech that if someone has to explain something, then it should be explained in the mother tongue. Breathing also has its own mathematics. Demonic mathematics should not be used. Understand the significance of mathematics. Mathematics is required to understand physical concepts. In this sequence, mathematics research scholar Miss. Rashi Arya explained the usefulness of mathematics and its wonders. After that a quiz was organized among the mathematics students. In which Anshika, Mauli and Muskaan Shah got first, second and third position respectively. The program was anchored by research scholar Chhavi Gupta. Dr. Ajit Kumar (Head of Department) Mathematics Department, Dr. Vipin Kumar, Dr. Kamesh Kumar, Dr. Abhinav Saxena, Dr. Ashok Kumar, Dr. Alok Kumar Gehlot, Dr. Navneet Kumar, Dr. Himansh, Dr. Rahul Sharma, Dr. Shubhendra Pratap, Dr. Vijendra Singh Rawat, Dr. Gulista Khan, Dr. Ajay Kumar Upadhyay, Dr. Amit Kumar Sharma, Dr. A. Pipersinia, Miss Khyati, Miss Rashi Arya, Miss Chhavi Gupta, Mr. Puneet Kumar, Mr. Adarsh etc. were present. The program was concluded with vote of thanks from Dr. Vipin





INNOVATE LEAD TRANSFORM

2024-25

Programmes Detail
& Admission Criteria

