



**TEERTHANKER
MAHAVEER UNIVERSITY**
Moradabad

Accredited with NAAC **A** Grade

12-B Status from UGC



Computing Vision

**College of computing Sciences & IT (CCSIT) &
Faculty of Engineering (FoE) News Letter**

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Message

It is with immense pride and joy that I address you through the pages of Computing Vision. This publication is not just a collection of articles; it is a testament to the growth, innovation, and spirit that define our institution. As we reflect on the accomplishments and challenges of the past year, we are reminded of the resilience, creativity, and dedication that every member of this college community brings. In a rapidly evolving world, we are committed to fostering an environment of excellence, inclusivity, and forward-thinking.

Whether in classrooms, laboratories, or on the sports fields, our students continue to excel and push boundaries. Our faculty and staff remain dedicated to providing the guidance and support necessary to help them thrive.

The journey of education is never a solitary one; it is shaped by collaboration, the exchange of ideas, and the shared experiences of all who are part of this institution. It is our collective effort that helps this University remain a beacon of knowledge, progress, and unity.

I extend my heartfelt gratitude to everyone who contributed to this magazine. Your voices, your stories, and your passion for learning are what make this University so special. May we continue to inspire, learn, and lead in the years to come!



**HON'BLE CHANCELLOR
SHRI SURESH JAIN**



**HON'BLE GVC
SHRI MANISH JAIN**

I would like to express my sincere appreciation for the incredible work that goes into creating each edition of Computing Vision Magazine. Your continuous dedication and hard work in showcasing the latest trends, innovations, and insightful perspectives in the field of computing are truly commendable.

The magazine is a valuable platform that not only highlights the achievements within our college but also inspires students to dive deeper into the world of technology.

I wish you continued success in your future editions and hope that your passion for innovation continues to grow, inspiring many more. It is evident that every edition is crafted with great care and passion, and your efforts do not go unnoticed.

I look forward to seeing the continued success of the magazine and the impact it has on the future of computing. Wishing you all the best in your future editions and endeavors!

Message



**EXECUTIVE DIRECTOR
SHRI AKSHAT JAIN**

I am delighted to present the upcoming Computer Vision Magazine, Volume 10, Issue 01 of FoE, TMU. The publication of the magazine encapsulates the spirit, achievements, and aspirations of a dynamic and talented college community. As we navigate an ever-changing world, it is important to stay connected and informed. The magazine serves as a valuable source that keeps us engaged with the broader academic and professional community. I am immensely proud of the collaborative efforts in creating this magazine. We have a dedicated team of faculty striving hard to provide students with the latest knowledge and skills that would help them in this fiercely competitive world.

I especially admire Prof. Rakesh Dwivedi, Dean FOE, for his dedication to excellence, reflected in this magazine. I also thank and congratulate all contributors to Vision Magazine, Volume 10, Issue 01.

It is with great pleasure that I write to you for another edition of the college magazine – Computing Vision. This publication serves as a wonderful platform to showcase the innovative ideas, inspiring projects, and the incredible potential of our community. As technology advances, research becomes crucial in driving progress and finding solutions to global challenges. I encourage all to engage in inquiry and experimentation.

To our dedicated faculty and staff, your commitment to learning and mentorship shapes the future of our students. Your excellence in teaching and research is truly valued. Congratulations to the entire college community for your outstanding achievements, reinforcing our institution's leadership in computer science and technology. Let's continue pushing the boundaries of knowledge and innovation!



**HON'BLE VICE CHANCELLOR
PROF. V. K. JAIN**



**DEAN, FoE
PROF. R. K. DWIVEDI**

It is with immense pride and enthusiasm that I present this edition of Computing Vision (Volume 10, Issue 01). The magazine characterizes our University for its excellence in technological brilliance, invention and originality through its articles, as always. This magazine is more than just a collection of research-based articles; it is a testament to the dedication and hard work of all those involved in bringing it to life.

This edition showcases the remarkable achievements of our students and faculty, from research and technology advancements to insightful discussions on computing. It celebrates our collaborative spirit, setting us apart in computer science and technology. I sincerely congratulate the editorial team, writers, designers, and contributors for their dedication and creativity in bringing this magazine to life. Your teamwork and innovation are truly commendable.

I also want to thank all the dear faculty and staff members for their unwavering dedication to the success of our students and the advancement of our academic community. Your passion for teaching, research, and mentorship plays an integral role in shaping the future of our students, and it is through your continued support and guidance that we achieve great things together. I encourage all of you to stay motivated and continue striving for excellence, as your work has a profound impact on the next generation of leaders and innovators in the tech world.

OBE Dissemination Session

 **Committee Room, FoE, TMU, Moradabad**

 **Nature of Work:**
OBE Dissemination Session

 **Date of event:** 19 July, 2024

Event Coordinator: Dr. Gulista Khan
Associate Professor



An OBE Dissemination Session was organized at the Faculty of Engineering on July 19th, 2024, at 11 AM in the Committee Room. In this session, Dr. Gulista Khan, Associate Professor at the Faculty of Engineering, delivered a lecture on "Outcome Based Education and Pedagogy." As part of her presentation, she discussed the 'Structure of OBE,' which outlined the flow to be followed, starting with framing the Mission and Vision Statements, Program Educational Objectives, Course of Study, Technology Tools, Evaluation Process, and finally, the Teaching-Learning Process. She also emphasized the importance of framing the curriculum based on current market trends and requirements, highlighting that a 'T' structure should be followed.


The principles of OBE were discussed, including clarity, expectations, designing, and expanded opportunities. The discussion covered how to frame Program Educational Objectives (PEOs), Program Specific Outcomes (PSOs), and Course Outcomes (COs), followed by curriculum design.

Another agenda item of the session was the preparation of effective question papers. The rubrics for setting a quality question paper were discussed, including how to satisfy the various levels of Bloom's Taxonomy. The mapping of these levels to the COs and how the questions can be aligned with the COs were also examined.

The assessment process following Bloom's Taxonomy was discussed, with a focus on the Triangle of Success: Skills, Attitude, and Knowledge. Based on industry requirements, the curriculum should be framed accordingly. Starting with the final year, necessary subjects should be identified, followed by the third year, and then the second year, which should serve as the foundation supporting the outcomes. The first year should always bridge the gap between the twelfth grade and engineering. Any additional subjects that may be needed can be included as electives. The session concluded with a vote of thanks to everyone who attended.

Cloud Infrastructure using AWS Internship

 **LT 6, FoE, TMU, Moradabad**

 **Nature of Work:**
OBE Dissemination Session

 **Date of event:** 22 July, 2024

Event Coordinator: Dr. Rupal Gupta



ITI DRISHTI CPS Foundation, IIT Indore, supported by the Department of Science and Technology, conducted a 10-day Skill Development Program on 'Cloud Infrastructure using AWS' at Teerthanker Mahaveer University (TMU), Moradabad, from 22-July-2024 to 01-Aug-2024. Organized by CCSIT, TMU, students completed 11 AWS modules and a live project. We extend our sincere thanks to our Honorable Vice Chancellor, Prof. V.K. Jain, for facilitating this initiative and fostering collaboration between institutions.



The program featured hands-on AWS demonstrations, establishment of an AWS Academy at TMU Moradabad, enrollment in AWS certification courses, and a capstone project assessed by experts. Participants received certificates and insights into bridging the gap between academics and industry demands. They were also introduced to Chanakya fellowships and startup support programs. Around 4-5 faculty members participated to mentor students, and the industry-aligned curriculum was designed to enhance career prospects.



The inaugural session on 22-July-2024 was anchored by Mr. Navneet Vishnoi, Assistant Professor, CCSIT, with dignitaries Prof. V.K. Jain, Vice Chancellor, Prof. (Dr.) Rakesh Kumar Dwivedi, Principal, FOE&CS, and Dr. Dheeraj Rane, Senior Engineer, IIT Indore. Prof. Dwivedi highlighted AWS importance and collaboration benefits, Prof. Jain emphasized Knowledge, Skills, and Attitude, and Dr. Rane stressed a strong foundation in cloud computing. The session concluded with a vote of thanks by Mr. Harjinder Singh, ensuring participants gained practical cloud computing expertise for career growth.

Workshop on Basic and Advanced Research Tools for Academic Writing

 **LT 2, FoE, TMU, Moradabad**

 **Nature of Work:**
Enhancing Academic Writing

 **Date of event:** 29 & 30 July, 2024

Event Coordinator: Dr. Parag Agarwal
Mr. Amit Kr. Vishnoi




A two-day workshop on "Basic and Advanced Research Tools for Academic Writing" was organized by the College Research Committee of Teerthanker Mahaveer University on 29-30 July 2024. Coordinated by Dr. Parag Agarwal and Mr. Amit Kumar Vishnoi, the event had 80 participants attending both online and offline. The workshop began with a Saraswati Vandana and a welcome address by Dr. Agarwal, who outlined the workshop's objectives. Eight expert speakers led sessions on various aspects of research writing.

On Day 1, Prof. R. K. Dwivedi discussed research writing mistakes, Dr. Parag Agarwal covered the TMU Ph.D. ordinance, Dr. Nuparam Chauhan introduced Mendeley, and Dr. Ranjana Sharma explained citation styles. On Day 2, Prof. Ashok Kumar focused on research paper writing, Prof. Ashendra Kumar Saxena demonstrated LaTeX, Dr. Shambhu Bhardwaj introduced TMU's e-resources, and Dr. Shalini Z. Ninoria presented on EndNote. The workshop concluded with a summary report by Dr. Parag Agarwal, expressing gratitude to all participants and contributors. The event was hosted by research fellow Ms. Vratika Gupta and supported by various faculty members, research fellows, and along with Faculty Members. The workshop was a successful initiative aimed at enhancing the research writing skills of the participants through expert guidance on modern research tools and techniques.



IBM Goodies Distribution

 **LT 2, FoE, TMU, Moradabad**

Nature of Work:
 IBM bag distribution ceremony

 **Date of event:** 13 August, 2024

Event Coordinator: Mr. Amit Singh



On August 13th, 2024, an IBM bag distribution ceremony was held for the B.Tech IBM 3rd semester students of the 2023 batch. The event began with a welcome address by Program Coordinator Amit Singh, who welcomed our respected Principal and other dignitaries, along with the students.

Following this, Prof. R.K. Dwivedi addressed the students. In his speech, he discussed the importance of connecting with academic excellence and practical knowledge, as well as the current technological aspects of the industry and how to engage with it during their studies.

The IBM bag is more than just a functional accessory; it represents the fusion of academia and industry, serving as a tangible reminder of the opportunities and experiences that come with being part of a globally recognized institution and its collaborations. We extend our sincere gratitude to IBM for their support in enhancing the educational experience for our students. The bags are a practical and stylish addition to their academic gear, reflecting our commitment to providing resources that complement their educational journey. The session concluded with a vote of thanks from one of our students.



Speech Competition & Poem Recitation

 LT 2, FoE, TMU, Moradabad

Nature of Work:

 Speech Competition and Poem Recitation

 **Date of event:** 13 August, 2024

Event Coordinator: Dr. Sonia Jayant
Ms. Indu Tripathi




The Free Thinkers Club of the Department of Humanities, Faculty of Engineering & CCSIT at Teerthanker Mahaveer University, Moradabad, organized a Speech Competition and Poem Recitation on August 13, 2024, to celebrate the 78th Independence Day. The event began with lamp lighting and Respected Director and Principal of FoE & CCSIT, Prof. R.K. Dwivedi, addressed the audience with a vibrant note on patriotism and appreciated the students for their dedicated and active participation. Dr. Sonia Jayant and Ms. Indu Tripathi, Coordinators of the Free Thinkers Club, organized the event, while Dr. Zareen Farooq also coordinated. Ms. Nikita Olak, a student of BCA II year, anchored the entire event very nicely.

The competition, with the theme of patriotism, was judged by Dr. Sandeep Verma and Mr. Arun Kumar Pipersenia. In the Speech Competition, Nazir Ghufuran (BCA III year) won first place, followed by Anshika Yadav (B.Sc. Maths III year) in second, and Nikita Olak (BCA III year) in third. In the Poem Recitation, Divya Verma (B.Sc. Maths III year) secured first place, Nazir Ghufuran was second, and Khushi Jain (BCA III year) came third. Dr. Sonia Jayant delivered the vote of thanks to all and congratulated the winners. The Vice Principal of CCSIT, Dr. Ashendra Saxena, and the HOD of CCSIT, Dr. Shambhu Bhardwaj, along with faculty members, graced the event with their presence and praise.



Deeksharambh-2024

 **TMU Auditorium**

 **Nature of Work:**
Diksharambh Induction Program

 **Date of event:** 23 & 27 August, 2024

Event Coordinator: Prof. R. K. Dwivedi



The Diksharambh Induction Program at Teerthanker Mahaveer University, Moradabad, began with the lighting of a lamp before Maa Saraswati. Honorable Vice Chancellor Prof. V.K. Jain emphasized the university's early implementation of the New Education Policy (NEP) 2020, which includes a four-year undergraduate program with the option to exit after three years. He encouraged students to work hard for success. He also explained the importance of uniforms to the students and inspired them to become smart, defining what smartness entails.




Key university officials, including Registrar Dr. Aditya Sharma, Dean of Academics Prof. Manjula Jain, and others, were present. During the Diksharambh SIP, the Principal spoke to the students about achieving success in their lives, the Dean of Academics discussed the academic calendar and priorities, the Dean of Student Welfare spoke about student welfare schemes, the Exam Controller addressed all examinations, including CT, the Chief Proctor discussed university protocols, and the Chief Warden covered hostel practices. The Director of CTLD highlighted the importance of English for success in life, while the Directors, Principals, and Vice Principal informed the new students about study priorities and rules in their respective colleges.



The newly arrived students were also informed about the Career Resource Center (CRC), sports facilities, digital marketing, ERP, and college-wise orientation. The Diksharambh program concluded with the National Anthem.

Hand on Technical Training on Augmented Technology used for demonstration of tiles fixing

 Centre for Excellence, CED, FoE, TMU

 **Nature of Work:**
Technical Training using VR Technology

 **Date of event:** 29 August, 2024

Event Coordinator: Prof. Ravi Kr. Jain



Faculty of Engineering
Civil Engineering Department
in collaboration with
UltraTech Cement is organising a
Technical hands on
APPLICATORS TECHNICAL TRAINING
Time : 2:00 PM Onwards | Date : 29 August,2024

HOST

			
PROF. RAKESH K. DWIVEDI Director FoE, TMU	PROF. RAVI K. JAIN Event Coordinator FoE, TMU	DR. ASHISH SIMALTI Head of Department CED, TMU	MR. VIJAY SHARMA ADM Ultratech Cement Ltd

The Department of Civil Engineering, in collaboration with UltraTech Cement, hosted a hands-on workshop on waterproofing for local masons at TMU, Moradabad. The event, led by Mrs. Nikita Jain, included lectures by Dr. R.K. Jain on augmented technology in tile fixing and Dr. Ashish Simalti on damping in buildings. The highlight was practical training by Mr. Vijay Sharma from UltraTech Cement, demonstrating tile fixing techniques using virtual reality. The workshop provided valuable theoretical and practical insights, with participants engaging directly with industry experts. The event concluded with closing remarks expressing gratitude to all the speakers, especially Dr. R.K. Jain and the experts from UltraTech Cement, as well as the Civil Engineering Department team: Mr. Arun Kumar Pipersenia, Mr. Siddharth Mathur, Mr. Ankit Varshney, Mrs. Nikita Jain, Mr. Amit Kumar, Mr. Gaurav Jaiswal, Mr. Sachin Verma, Mr. Arvind Singh, Mr. M.P. Pandey, and Mr. Vijendra. Participants were encouraged to apply the knowledge gained in their respective construction projects, contributing to the overall improvement of building quality and durability. All participants received a gift sponsored by UltraTech Cement.

The hands-on workshop organized by the Department of Civil Engineering in collaboration with UltraTech Cement was a resounding success, providing a platform for skill development and knowledge enhancement for local masons in the construction sector.



ALUMNI TALK SERIES

 **Online Mode, FoE, TMU, Moradabad**

 **Nature of Work:**
 Alumni Talk

 **Date of event:** 31 August, 2024

Event Coordinator: Dr. Alka Verma




The Department of Electronics & Communication Engineering at Teerthanker Mahaveer University hosted an Alumni Talk Series on August 31, 2024. Khushboo Khanna (B.Tech EC, 3rd Year) welcomed dignitaries, including Prof. Rakesh Kumar Dwivedi (Principal, FoE) and Dr. Alka Verma (HoD, ECE). Prof. Dwivedi inaugurated the event with an inspiring address, sharing a Mahabharata story on perseverance. Dr. Alka Verma summarized the department's achievements and the importance of alumni connections, while Mr. Prashant Kumar highlighted the significance of Electronics and Communication Engineering, urging student participation.

Alumni speakers shared valuable insights with students, emphasizing essential skills for success in electronics engineering. Ms. Ashi Rastogi (Batch 2009–2013) advised on skill acquisition, Mr. Shivam Pratap Singh (Batch 2016–2020) introduced networking and Kubernetes, Mr. Chinmay Jain (Batch 2016–2020) highlighted programming skills and LinkedIn networking, while Mr. Prasan Jain (Batch 2018–2022) stressed discipline and professional connections. The event concluded with a vote of thanks by Arpit Jain (B.Tech EC, 4th Year), who expressed gratitude to the Principal, alumni, faculty, and technical staff for their contributions to the success of the event.

NSS Camp-Workshop on Women Empowerment and Safety

 Mauda Taiya, District - Moradabad

 Nature of Work:
Women Empowerment and Safety

 Date of event: 31 August, 2024

Event Coordinator: Mohd. Saleem




The NSS Unit of CCSIT organized a one-day workshop on "Women Empowerment and Safety" at Mauda Taiya village on August 31, 2024. The event aimed to educate women about their rights, safety, and empowerment. The workshop began with an inspiring address by the CCSIT Principal, emphasizing the importance of women's contributions to society. Participants learned about legal rights, financial independence, self-defense, and educational opportunities. The workshop included interactive sessions, self-defense drills, and group discussions, encouraging women to engage actively in their communities.

The event not only benefited the women of Mauda Taiya but also helped NSS students develop leadership, empathy, and communication skills.

In conclusion, the one-day NSS camp and workshop at Mauda Taiya was a resounding success. The active participation of the village women, combined with the comprehensive and practical nature of the workshop, resulted in a significant boost in awareness and confidence among the participants. The NSS Unit of CCSIT plans to continue such outreach programs, reaffirming its commitment to community development and the upliftment of women in society.

Sensitization Session on Smart India Hackathon (SIH) 2024

 **LT-2, CCSIT, TMU, Moradabad**

 **Nature of Work:**
Sensitization Session on SIH-24

 **Date of event:** 02 September, 2024

Event Coordinator: Mr. Ashish Bishnoi
and Mr. Rajendra Prasad Pandey




A sensitization session for final and pre-final year B.Tech (CSE) and B.Tech (AI+ML+DL) students was organized by IIC-CCSIT under IIC-TMU on September 2, 2024, at LT-2, CCSIT. The session, coordinated by Mr. Ashish Bishnoi and Mr. Rajendra Prasad Pandey, saw participation from 221 students and 23 faculty members. Mr. Rajendra Prasad Pandey introduced the Smart India Hackathon (SIH-24), emphasizing its role in fostering innovation and recalling CCSIT's success in SIH-20. Prof. (Dr.) Rakesh Kumar Dwivedi highlighted SIH's impact on India's global innovation ranking and CCSIT's achievements, urging students to participate. He outlined key themes for SIH-24, including Smart Education, Space Technology, Cyber Security, Fintech, MedTech, and Disaster Management.


He also reviewed participation guidelines, such as forming teams within the same institution, including at least one female member, and encouraging multi-disciplinary teams for the Hardware edition. The internal Hackathon was announced for September 7, 2024, with best wishes extended to all participants.



Preparation for Competative Exam (GATE-2025)

 Online Meet, LT 2, CCSIT, TMU, Moradabad

 **Nature of Work:**
'How to conquer GATE 2025'

 **Date of event:** 04 September, 2024

Event Coordinator: Dr. R. K. Jain



The Faculty of Engineering at Teerthanker Mahaveer University organized an online event titled "Preparation for Competitive Exams (GATE-2025)" on September 4, 2023.

The session commenced with a warm welcome by Ms. Khushboo and Mr. Arpit Jain (B.Tech, EC). Prof. R.K. Dwivedi, Principal of the Faculty of Engineering, delivered an inspiring speech on the significance of GATE preparation, emphasizing the value of strong professional connections.

Following this, Dr. R.K. Jain, the Event Coordinator, elaborated on the event's objectives and encouraged active participation. Guest speaker Mr. Atul Kr. Vaish (Watson Academy, Goa) provided expert insights on effective study strategies, balancing preparation with college curricula, and analyzing past question patterns. Student speaker Mr. Shubham Goyal (CLASS24) shared his personal experience, study tips, and scholarship opportunities available after qualifying for GATE or PSU.

The event concluded with a vote of thanks by Mr. Arpit Jain (EC), acknowledging the contributions of speakers, organizers, and participants. The session successfully ended at 11:30 AM.

NSS Camp-Domestic Violence at Phalenda sultanpur Village

 LT-2, CCSIT, TMU, Moradabad

 **Nature of Work:**
 Domestic Violence

 **Date of event:** 06 September, 2024

Event Coordinator: Dr. Abhinav Saxena



The vibrant village of Phelenda Sultanpur witnessed a harmonious blend of tradition and well-being as Teerthanker Mahaveer University's National Service Scheme (NSS) hosted a transformative camp on September 6, 2024. Nestled amidst the serenity of Phelenda, the camp centered on the theme of "Domestic Violence," aiming to inform participants about its causes and effects. The event featured interactive discussions, emphasizing that domestic violence extends beyond physical abuse to controlling behaviors affecting women, children, and families. Key causes include illiteracy, economic dependency, dowry issues, and societal norms. Participants actively engaged, sharing insights and experiences.

Beyond awareness, the camp fostered community bonding, promoting unity and understanding. The initiative reinforced TMU NSS's commitment to education and social responsibility, leaving a lasting impact on all involved.



Industrial Visit to ESTC, Ramnagar (Uttarakhand)

 Ramnagar

 Nature of Work:
Industrial Visit to ESTC

 Date of event: 07 September, 2024

Event Coordinator: Mr. Prashant Kumar



Industrial Visit to ESTC, Ramnagar – September 07, 2024
The Department of Electronic Engineering, Faculty of Engineering, TMU, organized an industrial visit to the Electronics Service & Training Centre (ESTC), Ramnagar, for B.Tech students (Second to Final year). The visit commenced at 10:00 A.M., accompanied by faculty members Mr. Rahul Vishnoi and Ms. Avantika Chaudhary.

Company Overview: ESTC, established in 1986, focuses on training, technology transfer, and industrial support in electronics and IT. It provides consultancy, market research, and small-scale industry development.


Key Highlights: Students explored various technologies, including:

- Printed Circuit Board (PCB) Machines – High-precision, automated PCB manufacturing.
- 6-Joint Robotic Hand – Used for assembly, welding, and material handling.
- Solar + Wind Trainer System – Demonstrating renewable energy applications.
- IoT Drone Project – Internet-connected drones for data collection and automation.
- Raspberry Pi IoT Devices – Versatile computing for IoT applications.
- CNC Lathe Machine – Precision machining using Computer Numerical Control.

Participant Feedback: Students gained practical insights into IoT, robotics, renewable energy, and manufacturing. They found the visit highly beneficial and expressed interest in revisiting ESTC for further learning.

Daslakshan Mahaparv, CCSIT

 **TMU Auditorium**

 **Nature of Work:**
Paryushan Parv

 **Date of event:** 08 September, 2024

Event Coordinator: Mr. Aaditya Jain



CCSIT, TMU organized the Uttam Kshama Diwas celebrations on the first day of Paryushan Parv on September 8, 2023. The celebration was inaugurated by Honorable Chancellor Shri Suresh Jain, Group Vice Chairman, Chief Executive Director, Honorable Vice Chancellor Shri V.K. Jain, and FOECS Director and Principal Prof. Rakesh Kumar Dwivedi, along with all the alumni of CCSIT, who garlanded the statue of Goddess Saraswati and lit the lamp in dignified presence.

The visionary and dynamic Director and Principal of FOECS, Prof. Rakesh Kumar Dwivedi, welcomed everyone and explained the characteristics of Jainism and its followers. He noted that although followers of Jainism are few in number in India, they play a significant role in making the country prosperous. Jains live in the spirit of co-existence. Prof. Dwivedi emphasized that Daslakshan Mahaparv teaches us the true way of living. On this day of Daslakshan Mahaparv, the Day of Supreme Forgiveness, we should forgive others who may have been negatively affected by us. With forgiveness, we release the stress in our lives and foster friendships. He wished everyone a very happy and prosperous Daslakshan Mahaparv and appreciated the efforts and hard work of the students and





CCSIT, TMU organized the Uttam Kshama Diwas celebrations on the first day of Paryushan Parv on September 8, 2023. The celebration was inaugurated by Honorable Chancellor Shri Suresh Jain, Group Vice Chairman, Chief Executive Director, Honorable Vice Chancellor Shri V.K. Jain, and FOECS Director and Principal Prof. Rakesh Kumar Dwivedi, along with all the alumni of CCSIT, who garlanded the statue of Goddess Saraswati and lit the lamp in dignified presence.

The visionary and dynamic Director and Principal of FOECS, Prof. Rakesh Kumar Dwivedi, welcomed everyone and explained the characteristics of Jainism and its followers. He noted that although followers of Jainism are few in number in India, they play a significant role in making the country prosperous. Jains live in the spirit of co-existence. Prof. Dwivedi emphasized that Daslakshan Mahaparv teaches us the true way of living. On this day of Daslakshan Mahaparv, the Day of Supreme Forgiveness, we should forgive others who may have been negatively affected by us.

After this joyous and memorable act, the participants of the event were awarded by the Honorable Vice Chancellor and the Respected Director.

Valedictory Session, Internal Hackathon for SIH 2024

 **LT-2, CCSIT, TMU, Moradabad**

Nature of Work:
 Valedictory Session

 **Date of event:** 09 September, 2024


Event Coordinator: Mr. Ashish Bishnoi
and Mr. Rajendra Prasad Pandey



SIH 2024 introduces the next generation of evolution by incorporating new methodologies to foster a culture of startups and innovation across different age groups. It will be an open-house event featuring the selection of categories such as Hardware and Software, with a total of 50 teams selected. The College SPOC is authorized to nominate a maximum of 50 teams (both HW and SW), ensuring that each team includes at least one mandatory female member. These 50 selected teams will represent TMU's official nominations for the Smart India Hackathon 2024. The Internal Hackathon for SIH 2024 took place on September 7, 2024, in offline mode at Lecture Theatres 2 and 6, Faculty of Engineering, TMU, Moradabad, Uttar Pradesh. Prof. V. K. Jain, Hon'ble Vice Chancellor, Dr. Manjula Jain, President of IIC TMU and Dean of Academics, Prof. Piyush Mittal, Associate Dean (R&D), and Prof. Rakesh Kumar Dwivedi, SPOC for TMU SIH 2024, graced the inaugural session of the Internal Hackathon. Parallel sessions for Hardware and Software editions were held in LT-2 and LT-6, respectively. A total of 32 teams (5 Hardware and 27 Software editions) participated physically, with each team given 15-20 minutes for their presentations, followed by evaluation.

Daslakshan Mahaparv

 **TMU Auditorium**

 **Nature of Work:**
Paryushan Parv

 **Date of event:** 11 September, 2024

Event Coordinator: Mr. Aaditya Jain



College of Computing Sciences and Information Technology, TMU organized Uttam Shauch Diwas celebration on the first day of Daslakshan Mahaparv. The Uttam Shauch Diwas celebration was inaugurated by Honorable Chancellor Shri Suresh Jain, Group Vice Chairman Sir, Chief Executive Director, Honorable Vice Chancellor Shri VK Jain, and FOECS Director and Principal Prof. Rakesh Kumar Dwivedi of CCSIT by garlanding the statue of Goddess Saraswati and lighting the lamp in the dignified presence. A glimpse of last year's Daslakshan Celebration was shown in which the efforts of the participants were portrayed who performed last year; the glimpse helps us to remember the magnificent time everyone had while preparing for the event. The man of distinct vision, the dynamic Director and Principal, FOECS, Prof. Rakesh Kumar Dwivedi, explained to everyone the characteristics of Jainism and its followers. He said that even though Jain religion followers are few in number in India, they have a huge role in making India prosperous. Jains live life in the spirit of co-existence. Prof. Dwivedi said, Daslakshan Mahaparv shows us the true way of living life. On this day of Daslakshan Mahaparv, the day of Supreme Forgiveness, we all should forgive others who might have been negatively affected by



College of Computing Sciences and Information Technology, TMU organized Uttam Shauch Diwas celebration on the first day of Daslakshan Mahaparv. The Uttam Shauch Diwas celebration was inaugurated by Honorable Chancellor Shri Suresh Jain, Group Vice Chairman Sir, Chief Executive Director, Honorable Vice Chancellor Shri VK Jain, and FOECS Director and Principal Prof. Rakesh Kumar Dwivedi of CCSIT by garlanding the statue of Goddess Saraswati and lighting the lamp in the dignified presence. He also appreciated the efforts and hard work of the students and coordinators, by which the program became overwhelming and enjoyable for the audience and was filled with joyous moments.


After the joyous and memorable act, all the final year students of CCSIT and FOE were felicitated by the Honorable Chancellor Sir, Honorable Vice Chancellor Sir, and Respected Director Sir.

After this, all the participants of the respective events received awards from the Honorable Vice Chancellor Sir and Respected Director Sir of FOECS.



VISHWAKARMA POOJA (CCSIT)

 **CCSIT, TMU, Moradabad**

 **Nature of Work:**
Worship of Lord Vishwakarma

 **Date of event:** 17 September, 2024

Event Coordinator: Mr. Raj Gaurav,
Mr. Ayush Sharma




Lord Vishwakarma Jayanti was celebrated with great enthusiasm on 17.09.2024 in the CCSIT Department of Teerthankar Mahaveer University. On this occasion Director/Principal Dr. RK Dwivedi cracked the coconut and told about Vishwakarma Jayanti. He told that Lord Vishwakarma is considered to be the seventh child of Lord Brahma. According to the religious belief, Lord Vishwakarma had built palaces, weapons and thrones. That is why Lord Vishwakarma is called the architect. On the day of Vishwakarma Puja, working people offer prayers with true heart for their better future and safe working conditions. Every year the festival of Lord Vishwakarma Puja is celebrated with great enthusiasm. On the day of Kanya Sankranti, Lord Vishwakarma is worshiped ritually. Also, things like fruits and sweets are offered. On this special occasion, people worship their vehicles, machines and tools etc.

On this occasion, Vice Principal – Dr. Ashendra Kumar Saxena, Mr. Mohan Vishal Gupta, and all the computer lab staff participated in the puja and aarti and received the Prasad.



VISHWAKARMA POOJA (FoE)

 FoE, TMU, Moradabad

 **Nature of Work:**
Worship of Lord Vishwakarma

 **Date of event:** 17 September, 2024



On Tuesday, 17-09-2024, the birth anniversary of Lord Shri Vishwakarma was celebrated with pomp and gaiety in the Faculty of Engineering College of Teerthanker Mahaveer University. During the program, equipment and machines were worshiped in the workshop and Havan was organized. After this, worship of Lord Shri Vishwakarma ji was done and everyone wished for prosperity. In the program Principal, Professor Dr. Rakesh Kumar Dwivedi, Head of Mechanical Department, Dr Himansh Kumar, Dr Sunkulp Goel and other faculty members of Mechanical Engineering Department, staff, and students were present.



Har Din Swachh Din



Teerthanker Mahaveer University

Nature of Work:



Awareness Drive on Swachta in Public Premises at CCSIT



Date of event: 19 September 2024

Event Coordinator Satender Kumar



Event Report: Awareness Drive on Swachta in Public Premises - "Har Din Swachh Din"

Organized by: NSS Unit, College of Computing Sciences & Information Technology (CCSIT), Teerthanker Mahaveer University On 19th September 2024, the NSS Unit of CCSIT organized an Awareness Drive on cleanliness, themed "Har Din Swachh Din," to promote hygiene and environmental awareness on campus and in surrounding areas. The event commenced at 1:30 PM and aimed to raise awareness about the environmental and health impacts of unhygienic practices.


Professor Rakesh Kumar Dwivedi, Principal of CCSIT, inaugurated the event with a motivating speech highlighting the collective responsibility of maintaining cleanliness. He emphasized that students should take the lead in keeping their surroundings clean for the wellbeing of the entire community.


The awareness drive featured creative activities such as a skit, songs, and slogans performed by NSS volunteers. The skit depicted the harmful effects of neglecting cleanliness, engaging the audience with its powerful message. Lively slogans and songs further energized the event, ensuring active participation from all attendees.



Student Mentorship Launch Program in Different Skills

 **LT2, CCSIT, TMU, Moradabad**

 **Nature of Work:**
Student Mentorship Launch Program

 **Date of event:** 13 September, 2024

Event Coordinator: Ms. Rohaila Naaz



We are thrilled to announce the launch of our much-awaited Mentorship Program! The journey has officially begun, and we cannot be more excited to see such an enthusiastic group of students come together. The energy and passion at the launch event were truly inspiring, as participants took their first steps toward growth and success with the guidance of our incredible mentors.


High performing Mentor and Mentees would get Direct Entries in IEEE Day 2024 Activities which is going to be organized in second week of October 2024 at IEEE SB TMU. We were honored to have Prof. V.S. Tripathi, Chair of the IEEE UP Sensor Chapter and Vice Chair of the IEEE MTTs UP Chapter, grace the event as our Chief Guest. He shared inspiring examples, including Lord Krishna as India's first noted mentor to Arjuna. Our guiding source Prof R. K. Dwivedi, Director and Principal (FoE & CCSIT), Prof Ashendra Kumar Saxena (Vice Principal CCSIT), Dr. Shambhu Bharadwaj (HoD CCSIT), Ms. Rohaila Naaz (Event coordinator/Treasurer, IEEE SB TMU) gave their Immense support in executing this activity.

After the joyous and memorable act, all the final year students of CCSIT and FOE were felicitated by the Honorable Chancellor Sir, Honorable Vice Chancellor Sir, and Respected Director Sir.



Guest Lecture for Digital Marketing & Social Media Strategies

 **LT 2, CCSIT, TMU, Moradabad**

Nature of Work:
 **Guest Lecture for Digital Marketing**

 **Date of event:** 17 September, 2024

Event Coordinator: Mr. Vikas Deswal



An online workshop on "Digital Marketing and Social Media Strategies" was hosted by the MCA and BCA departments of CCSIT. The keynote speaker was Mr. Vikas Nain Co-founder of The Triad. He has given social media workshops in various national and international universities and technical institutions. He has done his MBA in marketing and has also done various certification courses in digital marketing. Basic target of this workshop was to spread awareness of the latest social media strategies. Nowadays e-commerce is a buzzword. There is a lot of scope and future in a commerce. This workshop taught students how to effectively utilize social media platforms to get fruitful results.



Industrial Visit to UltraTech Ready-mix Concrete Plant, Sahibabad, Ghaziabad, U.P

 Sahibabad, Ghaziabad, UP

Nature of Work:
 Industrial Visit to UltraTech Ready-mix Concrete Plant

 **Date of event:** 26 September, 2024


Event Coordinator: Prof. R. K. Jain and Mr. Ankit Varshney



On September 26, 2024, final- and third-year B.Tech students from TMU Moradabad visited the UltraTech Ready Mix Concrete (RMC) Plant in Ghaziabad. The visit helped students connect civil engineering theory with real-world applications, focusing on modern concrete production. Mr. Rajiv Dubey, Head of the RMC Plant, explained the concrete mix design process, including key aspects like mix proportions, raw material selection, and concrete consistency. Students witnessed a hands-on demonstration of Sell-Compacting Concrete (SCC), learning about its flowability, compactability, and the importance of precise ingredient mixing. The plant tour covered the production process, from raw material processing to mixing and loading concrete, with a focus on quality control measures. The visit ended with lunch, where students engaged in discussions on construction techniques and career opportunities in civil engineering. This experience bridged theory and practice, deepening students' understanding of mix design and concrete production, and opened doors for future learning opportunities.

Information Session on GATE & JAM Exam for Masters

 LT2, TMU, Moradabad

 **Nature of Work:**
GATE Awareness

 **Date of event:** 20 September, 2024

Event Coordinator: Dr. Alok Kumar Gahlot



GATE awareness program was organized in FOE & CCSIT ON 20th September, 2024. The program started with offering flowers and lamp lighting before goddess of knowledge Maa Saraswati. After this Prof. R.K. Dwivedi Presented a Bouquet to keynote speaker Prof. Ankik Giri as a token of love and gratitude, in this series Dr. Rupal Gupta presented a bouquet to Prof. R.K. Dwivedi.

Prof. R.K. Dwivedi delivered a remarkable analogy of "GATE as a gate way of Success and Pride". He shared information regarding why writing GATE EXAM is important for Engineering Graduate students.

Prof. Ankik Giri introduced the real importance of writing GATE EXAM. He highlighted the deadlines for filling form, eligibility criteria, numerous streams in which GATE EXAM are being conducted.

He told that various Govt. Scheme and scholarships can be availed by successfully clearing this exam. Aspirants of M.Tech & Ph.D. programs from IIT/NIT and other elite institutions get enough recognition, once they clear this exam. He spoke about many other benefits of GATE EXAM. He narrated the entire road map about GATE EXAM.

At the end Dr. Alok Gahlot delivered the vote of thanks to the keynote speaker and all the stake Holders of Teerthanker Mahveer University Moradabad.



Alumni session, Career Path of Cloud Security

 **LT2, CCSIT, TMU, Moradabad**

 **Nature of Work:**
Report on Alumni Talk by Mr. Abhinav Ranjan

 **Date of event:** 28 September, 2024

Event Coordinator: Dr. Priyank Singhal



Alumni Relations Cell Hosts inspiring Alumni Talk with Mr. Abhinav Ranjan On September 23, 2024, the Alumni Relations Cell hosted an inspiring talk with Mr. Abhinav Ranjan, a B.Tech Mechanical Engineering alumnus who transitioned into a renowned cybersecurity expert. The event aimed to encourage students to explore unconventional career paths.

Mr. Ranjan's Journey: Key Highlights

- Initial Career Steps:** After completing his E.Tech, Mr. Ranjan started his career in mechanical engineering but soon discovered his passion for IT and cybersecurity.
- Transition to Cybersecurity:** He pursued certifications in cybersecurity and ethical hacking, stressing the importance of continuous learning and adapting to industry demands.
- Challenges Faced;** Mr. Ranjan shared the struggles he encountered during his transition, including self-doubt, and emphasized overcoming obstacles as opportunities for growth.
- Current Role and Achievements:** Now a cybersecurity expert at Accenture, Mr. Ranjan works on securing sensitive data and developing security protocols, highlighting the growing need for cybersecurity professionals.

* Understanding ethical hacking and staying updated with evolving technologies and threats* The importance of networking and building connections in the industry.

The talk concluded with a Q&A session, where students received career advice, discussed necessary skills for cybersecurity, and the value of internships. The event was wrapped up by Dr. Gulista Khan, Alumni Coordinator, who thanked Mr. Ranjan for his inspiring text. Students left motivated, encouraged to explore diverse career opportunities, and empowered by the idea that career paths can be non-linear and full of possibilities.

NSS Camp on Personal Hygiene Held in Village Ginnaur

 VILLAGE GINNAUR

 **Nature of Work:**
NSS Camp on Personal Hygiene
Held in Village Ginnaur

 **Date of event:** 28 September, 2024

Event Coordinator: Mr. Mohd Saleem



On September 28, 2024, the National Service Scheme (NSS) Unit of the College of Computing Sciences & Information Technology (CCSIT) conducted a one-day camp on "Personal Hygiene" in Village Ginnaur, Moradabad District. The camp was coordinated by Mr. Mohd Saleem, NSS Coordinator at CCSIT, along with Mr. Satender Kumar, Deputy Coordinator.

The workshop featured interactive sessions designed to engage both children and villagers,


offering practical demonstrations of essential hygiene practices such as handwashing, personal cleanliness, and maintaining proper sanitation.

Overall, the camp was a great success, with the participation of both young students and adult villagers contributing to the spread of vital hygiene practices. The NSS Unit of CCSIT, under the guidance of Mr. Mohd Saleem, continues to make significant strides in community service, providing valuable experiences to volunteers and fostering positive social change in rural areas.



Fresher's Party- Novato Fiesta

 **LT2, CCSIT, TMU, Moradabad**

 **Nature of Work:**
Fresher Party

 **Date of event:** 28 September, 2024

Event Coordinator: Mr. Vikas Deswal




MCA Department at CCSIT, TMU Hosts a Memorable Fresher's Party "NOVATO Fiesta" The MCA department at CCSIT, TMU, successfully hosted the NOVATO Fiesta, a memorable Freshers Party for the incoming batch. This annual event provided a platform for interaction and talent showcase among students.

Theme and Objective: The event aimed to build camaraderie among students, allowing final-year students to display leadership skills while first-year students showcased their talents and made lasting impressions. - **Formal Cathering:** Attended by both final-year and first year MCA students.* **Talent Show:** First-year students performed in singing, dancing, acting, and more.* **Mr. & Ms. Fresher Contest.** A contest selecting Mr. and Ms. Fresher based on personality, confidence, and presentation* **Mr. Handsome and Ms. Charming Contest:** Recognizing the most attractive male and female students.* **Performer of the Day:** Awarded to the standout performer at the event. **Jury Members:-** Mr. Vikas Kuchhal, Dr. Shalini Ninona, **Prize Felicitation-** The prize distribution ceremony was attended by the Honourable Principal, Vice Principal, and Head of Department, who felicitated the winners and motivated students to continue excelling in academics and extracurricular activities.* **Overall Success*** The Freshers Party was a tremendous success offering a memorable experience for all. It created a positive, welcoming environment for new students while showcasing the talents and leadership of the outgoing batch, reflecting the vibrant culture of the department.

Expert Lecture on Recent Trends on Technological Advancement

 VILLAGE GINNAUR

 **Nature of Work:**
Recent Trends in Technological Advancement

 **Date of event:** 13 September, 2024

Event Coordinator: Mr.Amit Singh Program



The session began with lamp lighting by dignitaries in front of Maa Saraswati, followed by a welcome address from Dr. Rupal Gupta. Principal Prof. Rakesh Kumar Dwivedi then addressed the students, highlighting current technological trends in the industry and ways to connect with industry professionals during their studies. The expert lecture, delivered by Mr. Aman Bakshi, Senior Subject Matter Expert at IBM, focused on emerging technologies and their applications across industries. Key highlights included the growing role of Artificial Intelligence (AI) and Machine Learning (ML) in transforming businesses, enhancing decision-making, improving customer experiences, and automating operations. Mr. Bakshi discussed: Natural Language Processing (NLP): Applications in customer service through chatbots and virtual assistants. Predictive Analytics: Using data for forecasting and strategic planning. Cloud Computing: Emphasis on hybrid cloud solutions that combine on-premises infrastructure with cloud services for flexibility. AI in Cybersecurity: Predicting and mitigating cyber threats, with a focus on Zero Trust Architecture. Blockchain Beyond Cryptocurrency: Enhancing supply chain transparency and product traceability. Mr. Bakshi's lecture offered valuable insights into current and future tech trends, stressing the importance of staying updated to remain competitive. The session concluded with an interactive Q&A, followed by a vote of thanks from Mr. Amit Singh, Program Coordinator of B.Tech CSE-IBM.



**TEERTHANKER
MAHAVEER UNIVERSITY**
Moradabad

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