



**COLLEGE OF COMPUTING SCIENCES & IT**  
*and*  
**FACULTY OF ENGINEERING**

Accredited with NAAC **A** Grade  
12-B Status from UGC

**NBA Accreditation  
of Computer Science**

**A Student Magazine**

**Computing Vision-**  
**Volume 8, Issue 4**

# **Computing Vision**

**CCSIT idea factory**  
**A Voice of an effort...**

**Teerthanker Mahaveer University Moradabad, Uttar Pradesh**

[www.tmu.ac.in](http://www.tmu.ac.in)

# CONTENTS Highlights

- **Vision Mision Focus**
- **Message Board**
- **Industrial Visit to BSNL, Moradabad**
- **Celebration of Hanumana Janmostava**
- **FDP on Switching, Routing and Wireless Essentials (CCNA v7.02)**
- **Freshers cum Farewell Party-2023“YAADEIN-2K23”**
- **Educational Visit- MSME, Technology Center, ESTC, Kaniya, Ramnagar (Dist. Nainital,**
- **New Generation Building Products**
- **Khoj Mega Quiz Contest 2023**
- **Seminar on Strategy to crack GATE & other competitive exam**
- **Guest Lecture, “Story of Bacteria Interaction with Biosurfaces**
- **Workshop on Cloud Practitioners Essentials**
- **AWARENESS PROGRAMME ON CHILD LABOUR**
- **REEL MANIA AWARD CEREMONY**
- **Seminar on a guidance program on Career Opportunities**
- **Celebration of “World Creativity and Innovation Day”**
- **Workshop on Cloud Computing Services - Amazon Web Services (AWS)**
- **Felicitation Event for B.Tech. IBM Students on 02nd May, 2023**
- **PRESENTATION OF BUSINESS PLAN/PROJECT COMPETITION**
- **SANDHAAN 2023-Student Visit, Amrapali Group of Institute, Haldwani.**
- **UPPCL/PVVNL Training organized at CCSIT of Teerthankar Mahaveer University**



## VISION

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

## MISSION

Our endeavor is 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 collaborative teaching and research with premier institutions in India and abroad.



## Focus

In our quest to make the university a destination for world-class education, following nine-fold priority areas have been identified for actions: Teaching and Learning: Create conducive environment for an interactive and application oriented experiential learning. Research: Foster research orientation in students and faculty in basic and applied areas in all disciplines.



**Consultancy Services:** Take academic proficiency to corporate and community by providing cost effective solutions People: Make Teerthanker Mahaveer University a preferred destination for work and study.

**Global Perspective:** Encompass a national and international viewpoint into teaching, research and consultancy.

**Good Governance:** Bring transparency and accountability in university operations. Social Relevance: Position itself as a catalyst for social change.

**Entrepreneurial Culture:** Nurture entrepreneurial capabilities to accelerate growth. Sports and Culture: Provide ample opportunities to develop sportsmanship and love for culture and national heritage

## Message Board

### **Shri Suresh Jain, Hon'ble Chancellor, TMU**

Education helps us get exposure to new ideas and concepts that we can use to appreciate and improve the world around us and the world within us. When we improve our education and continue to learn, we can foster new connections, increase our marketable skills, and understand people better. Attending college could be the most fun or the most stressful time of your life. The journey towards higher education is a path of dedication, patience, and hard work. A good college will inspire you to get good grades while still having a memorable experience. Throughout college, you'll make new friends, learn a vast number of things, and experience unique lifestyles and perspectives. If you understand the importance of education, the college experience will appeal to you.

I am very happy to see that College of Computing Sciences & Information Technology is not only imparting good education amongst its students but also trying to bring out other aspects of their personality. And it is beautifully showcased in their quarterly magazine 'Computing Vision'. A college magazine reflects the consolidated efforts of the teachers and the students. I can understand the hard work undertaken by the magazine committee to make it a reality in a meaningful way. I congratulate the Director and the Editorial Board on their successful effort to bring out the magazine.

I sincerely hope that the magazine proves to be an enjoyable and useful apparatus in the hands of both students and teachers of the college. Best wishes to all.



Shri Suresh Jain  
Hon'ble Chancellor, TMU

### **Shri Manish Jain, Hon'ble Group Vice Chairman, TMU**

My sincere appreciation to College of Computing Sciences & Information Technology (CCSIT) and Faculty of Engineering (FOE) moving with a strong lead of "Computing Vision", a regularly issued quarterly magazine since last 08 years successfully. "The path from dreams to success does exist. You must have the vision to find it, the courage to get on to it, and the perseverance to follow it" once said by Kalpana Chawla. This attitude set by 'Computing Vision' is praiseworthy. I express my compliments to all worthy members of CCSIT & FOE for their valuable efforts in bringing out this issue.



Shri Manish Jain  
Hon'ble Group Vice Chairman, TMU

### **Shri Akshat Jain**

#### **Hon'ble member Board of Governance, TMU**

It's a matter of great pride and privilege that Faculty of Engineering and College of Computing Sciences is going to publish its new edition of Computing Vision- Volume-8, Issue:04.

As we all know, it is a highly competitive world today and the work dynamics are also changing. Industries today seek candidates not only with academic qualifications but also with innovative, creative, critical thinking and problem solving skills. To develop these skills

Students are given a platform to showcase their talents and skills. The ways we teach and the ways our students learn are very unique. I am very confident that this Magazine would open new vistas for the development of knowledge in every field.

I find this Magazine very useful and I congratulate the whole editorial team for its remarkable contents.

I appreciate the efforts of the entire team of this magazine to bring out this issue.

I wish them 'All the best' for their future endeavors.



Shri Akshat Jain  
Hon'ble member Board of  
Governance, TMU



## Message Board

### Respected Vice Chancellor, TMU

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:8, Issue:4.

The main focus of TMU is to empower students with sound knowledge, wisdom, experience and training both at the academic level and in the highly competitive global industrial market. The infrastructure facilities and state-of-the-art equipments combined with a galaxy of competent, talented and dedicated faculty contribute to an enjoyable and an easy learning experience. We wish the best for all our students, and the members of FOE&CCSIT who reiterate their aims at providing the best in academic and extra-curricular activities. We must believe that success is inevitable where Foresightfulness, Firm Determination, Hard work and Discipline exist.

The release of this spectacular current issue of "Computing Vision" has added another value to the constant efforts of talented and committed students, faculty and staff members of FOE&CCSIT. Through this message, I wish them "All the very Best" for their future endeavours and hope they will bring more laurels to the college and university on the whole.



Prof. Raghuvir Singh

Hon'ble Vice Chancellor, TMU



Prof. R.K Dwivedi

Director & Principal, FOECS, TMU

### Respected Director & Principal, FOECS, TMU

I am heartily elated to know that the Faculty of Engineering and College of Computing Sciences and Information Technology (FOE&CCSIT), Teerthanker Mahaveer University, Moradabad is going to publish its regularly issued quarterly magazine "Computing Vision"-Volume:8, Issue:4.

It is a matter of great delight that we have excelled in every initiative that we undertook in facing the challenges of quality education. The ways we teach and the ways our students learn are unique and creative. Our college is significantly contributing to the process of national development by providing quality education and thereby enabling the students to become globally competent. We have plans and dreams in the years to come. I am glad to pen for the wonderful quarterly magazine "Computing Vision" as an appreciation of the commendable and stupendous efforts put forth by the dedicated team for continuing the spirit of achieving greater success and scaling newer heights by bringing the students and teachers of various disciplines on a common platform to share and display their innovative ideas and creative talents.

I extend my heartily thanks to my students and colleagues for their valuable contribution to the present volume of "Computing Vision". I wish them all to experience victory in all of their future endeavours.

# Industrial Visit to BSNL, Moradabad

Computer Engineering Department had organized an Industrial Visit at BSNL, Moradabad on 01st April 2023. It was planned for B.Tech CSE – IBM & B.Sc (H) Computer science students as part of their subject (Mobile Communication).

**COMPANY PROFILE:** Bharat Sanchar Nigam Limited (abbreviated BSNL) is an Indian state-owned telecommunications company. It's headquartered in New Delhi. It is the largest provider of fixed telephony, largest broadband services provider with more than 60% Market share, and fourth largest mobile telephony provider in India. BSNL is India's oldest and largest communication service provider (CSP).

## Objective of Visit

The motive of the visit was to gain practical knowledge about industrial aspects in wired and wireless communication architectures.

Total 38 students of B.Tech CSE – IBM & B.Sc (H) Computer science( III Yr.) had attended this visit. The visit was accompanied by Dr Shambhu Bhardwaj and Mr Amit Singh. The visit was organized by Shambhu Bhardwaj. The visit was started at 11.00 a.m sharp with a good support and cooperation from BSNL officers and employees. During the 3 hours visit students gained knowledge about the communication at BSNL.



### Outcome of Industrial Visit at BSNL MBD

- \* Understood the concept of Roaming Services & Cellular service.
- \* Understood the concept of One network to another network Communication.
- \* Understood the concept of EIR, Fiberhome, VLAN& BNG.
- \*Understood the concept of Signal received and transmitted process step by step.
- \*Understood Fundamentals of mobile network and telephone networks services and hardware architecture like GSM, Broadband, OFC (Optical Fiber Cable / communication)
- \*Understood evolution of Telephone communication.
- \*Understood the implementation of FTTH (Fibre to the home)

### Visited various labs

- \* Network
- \* Broadband
- \* GSM – BTS lab
- \*BSC/MSC Lab.

It was a wonderful experience for all students as well as for staff. Every student was very cooperative to each-other. Students were acquainted of communication technologies in BSNL. Students were happy by gaining practical knowledge from the BSNL employees. We are very thankful to Hon. Principal Sir, Dr. R.K.Dwivedi for their motivation and support for facilitating such activities to our Department.



# Celebration of Hanumana Janmostava

Date: 6/04/2023

Start time: 10:00 AM

End Time: 11:30 AM

Type of Event: Shree Hanuman Janmotsava Pooja

The Birthday of Lord Hanumana was celebrated on 6 April 2023 in the Electrical department of Faculty of Engineering, TMU with a great pomp. A pooja was conducted on this auspicious occasion. After the Pooja Every one was given Prasad. Our Chief Guest Prof. R.K. Dewedi, Director of FOECS, DR. Pankaj kr. Goswami, Vice principal of FOE, Dr.Shubhendre Pratap Singh, Head of the Electrical Department, Dr. Garima Goswami and all the other faculty members of Faculty of Engineering were present there.

## Host

Host: Prof. Dr. Rakesh Kumar Dwivedi, Dr. Pankaj Goswami, Dr. Shubhendra Pratap

Additional Host: Mr. Anshuman Sharma

Venue: Department of Electrical Engineering





# Industrial Visit to BSNL, Moradabad

Industrial Visit was planned for B.Tech CSE students as part of their subject (Mobile Communication). Computer Engineering Department had organized an Industrial Visit at BSNL, Moradabad on 6th april 2023.

**COMPANY PROFILE:** Bharat Sanchar Nigam Limited (abbreviated BSNL) is an Indian state-owned telecommunications company headquartered in New Delhi, India. It is the largest provider of fixed telephony, largest broadband services provider with more than 60% Market share, and fourth largest mobile telephony provider in India. BSNL is India's oldest and largest communication service provider (CSP).

## Objective of Visit

The motive of the visit was to gain practical knowledge about industrial aspects in wired and wireless communication architectures.

Total 30 students of Computer Engineering had attended this visit which comprised of students from third year. The visit was accompanied by Dr Gulista Khan and Dr Namit Gupta. The visit was organized by Dr Gulista Khan. This visit started at 11.00 a.m sharp with a good support and cooperation from BSNL officers and employees. During the 3 hours visit students gained knowledge about the communication at BSNL.



## Outcome of Industrial Visit at BSNL MBD

- \* Understand Fundamentals of mobile network and telephone networks services and hardware architecture like GSM, Broadband, OFC (Optical Fiber Cable / communication)
- \* Understand evolution of Telephone communication
- \* Understand the implementation of FTTH (Fibre to the home)

## Visited various labs

- \* Network
- \* Broadband
- \* GSM – BTS lab/BSC/MSC

It was a Wonderful experience for all students as well for staff. Every student was very cooperative to each-other as well to the faculties. Students were acquainted of communication technologies in BSNL. Students were happy by gaining practical knowledge from the BSNL employees. We are very thankful to Hon. Principal Sir, Dr. R.K.Dwivedi for their motivation and support for facilitating such activities at our Department.

# Freshers cum Farewell Party-2023

## “YAADEIN-2K23”

The morning of 7th Day of April, 2023 brought different beats to the Department of Physics, Teerthanker Mahaveer University (TMU) in LT-5. This was the day where 1st year students of both B.Sc. (Hons.) Physics and M.Sc. Physics were formally welcomed by their seniors through a heart warming party and numbers of amusing events

The event was started around 10:30 am in the morning with cutting the ribbons by the Prof. (Dr.) R. K. Dwivedi (Principal of FOE). Vice-principal, Dr. Pan-kaj Goswami, Dr. Amit Kumar Sharma (HOD of Physics Department), faculty members- Prof. S. P. Pandey, Dr. Ajay K. Updhayay, Dr. Parag Agarwal, Dr. Diptonil Banerjee, Dr. Pavan Kumar Singh, Dr. Vishnu P. Srivastava, Dr. Amit Kumar Gangwar etc. of Faculty of Engineering were also there.

Prof. Dwivedi welcomed the students by cutting a cake and he motivated the students by saying that “Physics is one of the most fundamental subjects and thus only a physicist can have the ability to offer an all-round improvement in the scientific and technological world.” He further added that the students would bring more glory to the university by establishing themselves in different areas. The various games were carried out for freshers and farewell students too. The students also gave many amazing performances of singing and dancing. Gifts were given to the students as token of love by the department. At the end of the programme students danced and enjoyed on DJ.



The whole programme was organized by maintaining discipline with the help of our faculties and staffs members. Thus, an environment of enthusiasm was experienced by every student and it became a memorable event for the entire department.

### The students were praised with Mr. / Ms. fresher and farewell awards

Mr. Fresher from B.Sc.(Hons.) Physics – Asheesh Chauhan  
Ms. Fresher from B.Sc.(Hons.) Physics – Shristi  
Mr. Fresher from M.Sc. Physics – Pawan  
Ms. Fresher from M.Sc. Physics – Pratha Sharma

Mr. Farewell from B.Sc.(Hons.) Physics – Siddhartha Kumar  
Ms. Farewell from B.Sc.(Hons.) Physics – Aarti Singh  
Mr. Farewell from M.Sc. Physics – Vipin Kumar  
Ms. Farewell from M.Sc. Physics – Pooja Chauhan

At last, Dr. Amit Kumar Sharma, Head of Department of Physics wished good luck to the final year students for their future. He also motivated students by sharing his own experiences of his life. At sharp 4:00 pm the program was ended with so much memories and happiness. The programme was extremely well-coordinated by students. Few prominent names among students organizers are Nandini, Kunal, Vipin kumar from M.Sc. 2nd year; Aman Pratap Singh, Yash Vardhan Gupta, Nandini, Vidhi Chauhan, Sonam, Aditi Singh from B.Sc. 2nd year; and Aarti, Pranjal, Siddhartha from B.Sc. 3rd year.

## Educational Visit- MSME, Technology Center, ESTC, Kaniya, Ramnagar (Dist. Nainital, UK)

An educational visit was organized by the Department of Physics, Faculty of Engineering, Teerthanker Mahaveer University on 15th April, 2023 (Saturday). This visit was planned to MSME, Technology Center, ESTC, Kaniya, Ramnagar (Dist. Nainital, UK) for enhancing the experimental and MSME knowledge about the entrepreneurship based research skills for our (UG/PG) students of Physics.

We started our journey at 9:00am and reached at 1:00pm to MSME, Technology Center, ESTC, Kaniya, Ramnagar (Dist. Nainital, UK). The faculties of ESTC guided our students and showed the related laboratories like Solar lab, PCB design and manufacturing unit, Computer Hardware lab, IOTs Lab, Drone lab etc. Students learned about main part of functioning and manufacturing

Training/skills of the personnel in the areas of production and quality control for electronic and I.T. industry.

Providing common facilities to the entrepreneurs in the region.

To render counselling and guidance to new entrepreneurs in setting up of small scale electronics and I.T. units.

To develop products and processes involving advanced technologies in industry.

To evolve a consultancy cell for the small scale industries in the region.



Dr. Amit Kumar Sharma, Head of the department of Physics, Faculty of Engineering, Teerthanker Mahaveer University, Moradabad gave thanks to Director, Mr. Dinesh Chandra, MSME, Technology Center, ESTC, Kaniya, Ramnagar and their faculty members for showing experiments. We returned TMU at 7:30pm from there.





# New Generation Building Products

On the 17 April, 2023 a guest lecture was organized by the Civil Engineering Department of Teerthanker Mahaveer University, Moradabad, Uttar Pradesh, India. The lecture was on the topic of “New Generation Building Products” and was delivered by Mr. Aman Jain, the Area Manager of UltraTech, one of the leading cement manufacturers in India. The event was held at the Venue “Centre of Excellence” FOE, TMU, and was attended by a large number of students and faculty members.

Prof. R.K. Dewedi, Director of FOE, Teerthanker Mahaveer University, inaugurated the session. He motivated the students by telling the significance of such guest lectures conducted for students with exposure to industry professionals and keeping them up-to-date with the latest developments in the field.

The lecture was begun with an overview of UltraTech and its various products by Mr. Jain. He then delved into the topic of "New Generation Building Products" explaining the need for innovation in the construction industry and the role of UltraTech in providing innovative solutions. He highlighted the importance of sustainability and how UltraTech's products are designed to be eco-friendly.

Mr. Jain also discussed some of UltraTech's latest products, including UltraTech Xtralite, a lightweight concrete, Ultra-Tech Litecon, a cellular lightweight concrete, and UltraTech Weather Plus, a weather-resistant cement. He explained the features and benefits of these products and how they can be used in various construction applications.

The presentation also included case studies of projects where UltraTech's new generation building products were used, showcasing their effectiveness in different construction scenarios. Mr. Jain emphasized that UltraTech's products are not only innovative but also cost-effective, making them ideal for both residential and commercial construction projects.

After the presentation, the attendees interacted with Mr. Jain and asked questions. The session was quite interactive, and the participants asked various questions related to the properties and applications of UltraTech's products. Mr. Jain provided satisfactory answers to all the questions, and the participants appreciated his in-depth knowledge and expertise.



Finally, Mr. Arun Kumar Pipersenia, the Head of the Civil Engineering Department, expressed his gratitude to Mr. Aman Jain for his insightful presentation and thanked all the guests for their valuable contributions to the event. He also reiterated the department's commitment to providing its students with the best learning experiences and opportunities for growth. The lecture on "New Generation Building Products" by Mr. Aman Jain, the Area Manager of UltraTech, was a valuable learning experience for the attendees. The lecture not only provided an insight into UltraTech's innovative products but also showcased the importance of sustainability in the construction industry. The lecture was informative, interactive, and well-received by the participants. The event was a great success, and Civil Engineering Department of “Teerthanker Mahaveer University” is looking forward to hosting more such events in the future.



# Khoj Mega Quiz Contest 2023

**Title:** Khoj Mega Quiz Contest 2023

**Date:** 18-04-23, 25-04-23, 1-05-23

**Start time:** 10:30am **End Time:** 4:45pm

**Type of Event:** Technical Quiz contest for all Course

**Agenda:** Technical Quiz contest for all Course

**Venue:** Online at college labs using college server.

**Host:** Techno club CCSIT TMU Moradabad

The most awaited event, Khoj has been completed online using college server. Event was completed in 3 phases - first round, second and final round. Khoj Mega Quiz Contest 2023 under the banner of College of Computing Sciences and Information Technology, TMU, Techno Club Organized by Ajay Chakravarty, Vineet Saxena, Dr shelendra pal technical mega quiz contest “Khoj 2023” for the session of 2022-2023. This particular event was totally Online based and 300 students participated in the same. The summary of the quiz is as follows.



S.N Q.	Event Date	Event Name	Key Resource Person (If Applicable)	Participants Profile	Total Participants
1	18-04-23	Mega Quiz Contest KHOJ 2023  Round 1 online at lab 3232,3231	Name- Prof R.K.Dwivedi Director FOECS	Participant was belong to following course:  <ul style="list-style-type: none"> <li>• B.Tech</li> <li>• MCA &amp; MCAL</li> <li>• BCA &amp; B. Sc. CS</li> <li>• BCA +MCA</li> </ul>	300

2	25-04-23	Mega Quiz KHOJ 2023 Round 2 Junior Level and Senior Level  Online at lab 3231,3232	N / A	Participant was belong to following course:  <ul style="list-style-type: none"> <li>• B.Tech</li> <li>• MCA &amp; MCAL</li> <li>• BCA &amp; B. Sc. CS</li> <li>• BCA +MCA</li> </ul>	Junior Level:- 72 <b>(36 Teams)</b>  Senior Level:- 79 <b>(39 Teams)</b>
3	01-05-23	Mega Quiz KHOJ-2023 Round 3 Junior Level and Senior Level  At LT-2	Name- Prof Dr. R.K Dwivedi  Director FOECS TMU	Participant was belong to following course:  <ul style="list-style-type: none"> <li>• B.Tech</li> <li>• BSC(H)CS</li> <li>• BCA</li> <li>• BCA+MCA</li> </ul>	Junior Level:- 8 <b>(4 Teams)</b>  Senior Level:- 6 <b>(3 Teams)</b>

Prof R K Dwivedi, Principal of FOE&CS appreciated the event and conveyed his best wishes to all the winners. Prof Dwivedi motivated them and reminded the whole sole objective of FoECS i.e. carrier oriented education. He elaborated on all career opportunities in each branch of engineering and encouraged the students to remain aware of these one and keep updated themselves with the time.

Dr A K Saxena , HOD CCSIT delivered vote of thanks to all for making the event delighted and successful. The program was anchored by Mr Ajay Chakravarty and Mr Vineet saxena. The program was well coordinated by Dr Shelendra pal.

#### Results are as follows:

In junior level Durvesh and Arun kumar from B.sc CS 2 Sem were the winner and Aman Jain, Akash Jain from Btech CS were the runner-up

In senior level Ujjwal Singh and Saiyam Jain from BCA 4 sem section-B were the winner and Himanshu Jain, Chirag Jain from BTECHAI+ML+DL 4 sem were runner-up



# Seminar on Strategy to crack GATE & other competitive exam

On 18th April 2023, Mr. Ascharaya Bansal, a faculty member of MADE EASY conducted lecture for students in TMU to cover the syllabus and helped them in their competitive exam preparation. The lecture was held in LT-2. Students of B.Tech (all branches) attended the lecture. The lecture covered all the topics that are included in the syllabus of competitive and GATE exam preparation. He discussed following

1. Understanding the Exam Pattern and Syllabus: The lecture was started by giving the information about the exam pattern and syllabus of the specific competitive exam. This will give you a clear idea of the topics, the marking scheme, and the duration of the exam.

2. Creating a Study Plan: Develop a well-structured study plan that allocates sufficient time for each subject or topic based on their weightage and your proficiency level. Set daily, weekly, and monthly goals to ensure consistent progress.

3. Gather Study Resources: Gather high-quality study materials, textbooks, reference books, previous years' question papers, and online resources relevant to the exam. Make use of reliable online platforms, video tutorials, and e-learning platforms for additional support.

4. Subject-Wise Preparation: Divide the study time among different subjects and allocate more time to the subjects you find challenging. Focus on building a strong foundation in core subjects while also practicing problem-solving and numerical skills.

5. Practice and Mock Tests: Regularly solve practice questions and attempt mock tests to gauge your preparation level and identify areas that need improvement. Analyze your performance, identify weak areas, and work on them accordingly. This will help you to get familiar with the exam pattern, to manage time effectively, and to build confidence.

6. Revision and Consolidation: Plan regular revision sessions to reinforce your understanding of concepts and formulas. Make concise notes summarizing important points to aid in quick revision during the final stages of preparation.



7. Seek Clarification and Guidance: If you encounter difficulties in understanding certain topics, seek help from mentors, subject experts, or join online/offline coaching classes for guidance and clarification. Engage in discussions with fellow aspirants to gain different perspectives and learn from their experiences.

8. Time Management and Exam Strategy: Practice time management during your preparation phase to ensure you complete the exam within the given time frame. Learn effective strategies for tackling different types of questions and develop your own exam-taking strategy.

9. Stay Motivated and Take Care of Yourself: Competitive exam preparation can be challenging and demanding. Maintain a positive mindset, stay motivated, and take regular breaks to avoid burnout. Engage in activities that help you relax and rejuvenate.

10. Mock Interviews and Group Discussions (if applicable): If the competitive exam includes an interview or group discussion round, practice mock interviews and group discussions to improve your communication and interpersonal skills.

In conclusion, the lecture conducted by MADE EASY was an important component for the preparation of competitive exams like GATE, IES, and PSU.

#### Host

Host: Mechanical Engineering Department, FoE  
Co-Sponsor Name: Nil

Additional Host: Dr R K Jain  
Venue: LT-2 CCSIT Side

#### Registration

Start date: 12/04/23  
Fee: No-Fee

End Date: 18/04/23  
No of Registration: 150 Participants  
Payment: N/A

#### Speakers

Title: Seminar on Strategy to crack GATE & other competitive exam

Description of talk: Strategy to crack the competitive Examinations

Speaker Name: Mr. Ashcharya Bansal      Organization: MADE EASY, New Delhi

Email Address: seemant@madeeasy.in

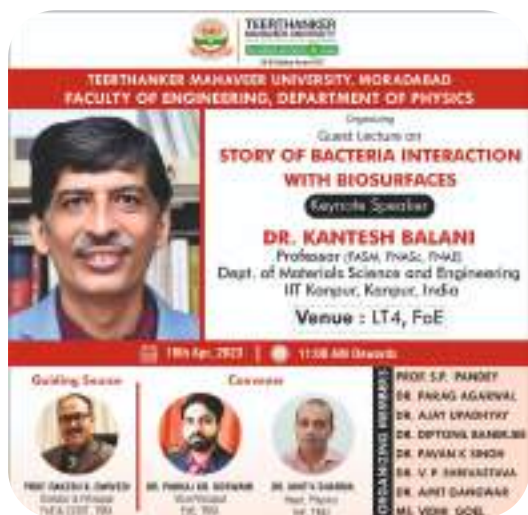
## Guest Lecture, “Story of Bacteria Interaction with Biosurfaces

Today, on April 19, 2023, a guest lecture was organized in virtual mode in the Department of Physics, Faculty of Engineering, Teerthanker Mahaveer University and organized by Dr. Amit Kumar Sharma, Head of the Department of Physics.

Dr. Pankaj K. Goswami, Vice Principal, FoE, welcomed Professor Kantesh Balani as a guest speaker and introducing Professor Kantesh Balani and informing the students about his educational qualifications and achievements. He is one of the leading scientists of nanomaterials in the Department of Materials Science and Engineering at IIT Kanpur. Professor Balani, rich in excellent talent, shared his current research and its results with the students in the topic of his lecture “Story of Bacteria Interaction with Bio Surface”. In his important lecture, he explained in detail the dimension of physics, biology and engineering between them through material modelling. His lecture was very influential, answering the questions of the students and faculty at the end of the lecture, Professor Balani encouraged them for research.



After question and answer, Head of Department of Physics, Dr. Amit Kumar Sharma announced the end of the program with vote of thanks. Dr. Amit Kumar Sharma thanked Professor Balani, and expressed his gratitude to TMU, Director of his Institute Professor R.K. Dwivedi, Vice-Principal Dr. Pankaj Kr. Goswami and faculty members of the department Dr. Ajay Kumar Upadhyay, Professor Sri Prakash Pandey, Dr. Pavan Kumar Singh, Dr. Vishnu Prasad Srivastava, Dr. Diptonil Banerjee, Dr. Parag Agarwal, Dr. Amit Gangwar etc. Further, Dr. Amit Kumar Sharma gave a wide thank to all the (online and offline) participants and non teaching staffs who made the event a memorable one. A total of 90 participants including offline and online were present in this lecture series and especially, online participant were present from, Josef Stefan Institute, Slovenia, IARI, Pusa and CSIR labs etc.



#### Abstract:

The post-surgery trauma of bacterial infection becomes very painful for the patients. A perspective of nanobiotechnology engineer in selecting antibacterial materials and eliciting enhanced resistance to bacterial adhesion is addressed. In this work, attachment of *S. Aureus* gram positive bacteria on various substrates i.e. metallic (316L stainless steel and Ti-6Al-4V), polymeric (ultra-high molecular weight polyethylene, UHMWPE), and ceramic (hydroxyapatite, HA) is analyzed. The adhesion strength of bacterium is evaluated by gluing *S. Aureus* on the cantilever of tip-less atomic force microscope. Lowest adhesion strength of bacterium observed on UHMWPE surface contrast with conventional results of lowest colony forming units (with most %dead bacteria on HA surface. Poisson's regress has elicited lower long-range and short-range adhesion forces in UHMWPE compared to that of HA and others. Computational modelling has been utilized to visualize the adhesion of bacterial surface proteins with biomaterial surfaces. For assessing tribological damage, fretting damage has elicited enhanced damage with ZnO reinforcement, whereas Ag elicited reduced damage tolerance in pin-on-disc wear. Further, radiation effects and computational modeling on polymeric liner is also elicited. Surface texture can also be utilized for altering bacterial response.

## Workshop on Cloud Practitioners Essentials

**Title:** One Day Training Program on AWS.

**Date:** 19-April-2023

**Preamble:** A day workshop on AWS (Amazon Web Services) has been conducted on 19th April 2023, at TeethankerMahaveer University in Moradabad to teach more about AWS and cloud computing. This workshop has been sponsored by DR. PRIYANK SINGHAL( Associate Professor), PROF. RAKESH. KR. DWIVEDI( Principal and Director CCSIT &FoE), PROF. ASHENDRA KR. SAXENA(Vice Principal, CCSIT).

On the occasion of AWS discovery day, CCSIT organized a workshop on cloud practitioner essentials by Mr. MragankSinghal, an Amazon Authorized Instructor who has over 13 years of delivering technical training experience in various subjects.

The workshop was started with the astonishing words of Dr. Priyank Singhal to introduce and welcome the resource person MR. MRAGANK SINGHAL (Authorized Amazon Instructor) from Cloud Wizard Consulting Noida, along with PROF. RAKESH. KR. DIWEDI (Principal and Director CCSIT &FoE), PROF. ASHENDRA KR. SAXENA (Vice Principal, CCSIT), &Dr. SHAMBHU (PROCTOR, CCSIT).

As we know that no occasion can be completed without worshiping MaaSaraswati, so before the workshop lamp lighting ceremony was held.

Up next, Prof. Rakesh Diwedi gave a stupefying speech. He gave some knowledge about AWS and told students about the newest technology available in today's scenario. He told Amazon Web Services are in high demand. He told one outstanding slogan "JAB HOSLA BANA LIA HAI UCHI UDAAN KAA TO DEKHNA FAZOL HAI KADD AASAAM KAA" which was very prompting for the students. He also motivated students to learn new things and become successful in life.



MR. MRAGANK SINGHAL  
(Authorized Amazon Instructor)



Dr. R.K. Dwivedi,  
Director &Principal FOECS TMU

Prof. Rakesh Diwedi sir and Prof. Ashendra Saxena sir honored Mragank Singhal Sir (Resource Person) with a momento.

And finally, Mragank Singhal Sir started his interactive lecture, he first gave the introduction of himself, he is Amazon Authorized Instructor in Cloud Wizard Consulting and has more than 13 years of experience in technical training. He gave a brief description of his company and told what AWS discovery day is and what cloud practitioner essentials are. He started the lecture with an introduction to Amazon Web Services and cloud computing.

He told many new things related to cloud computing like benefits, deployment models, AWS storage services, database, networking, content delivering services, and security.

He gave students maximum knowledge about AWS and cloud Computing. He told us the various reasons why we should learn AWS and how it is helpful for future opportunities.

He also explained various certified courses offered by Amazon Web Services and what is the cost of these certifications.

In the end, he held a quiz for the students, and the top 10 students were given goodies for their achievements.

All students as well as faculties learned many new things.

The workshop was ended with a magnificent 'Thank you' speech by Dr. Rupal. He thanked Mr. MragankSinghal for his wonderful and interactive workshop.

## AWARENESS PROGRAMME ON CHILD LABOUR

An Awareness Programme on Child labour was organized by NSS, unit of Faculty of Engineering, Teert-hanker Mahaveer University, on 25th April 2023 at Poorva Madhyamic Vidyalaya, Manoharpur. The event aimed to educate students and community members about the prevalence of child labour and the negative impact it has on society.

The programme began with an introduction by the NSS coordinator, who explained the purpose of the event and the significance of NSS in promoting social responsibility. The event was attended by approximately 100 students, teachers, and community members.



The keynote speech was delivered by Manish Kumar, a student of TMU. In his speech, Manish highlighted the issue of child labour and its impact on society. He explained how child labour affects the health, education, and future prospects of children, leading to a cycle of poverty and exploitation. He also talked about the legal framework and international conventions that prohibit child labour and urged the audience to take action to end this practice.

After the speech, a group discussion was conducted, in which students shared their thoughts and experiences on child labour. The discussion was moderated by NSS volunteers, who provided additional information and clarified any doubts. The participants discussed various aspects of child labour, including the reasons for its prevalence, the types of work performed by children, and the consequences for their physical and mental health.

The event concluded with a vote of thanks by the NSS coordinator Dr ABHINAV SAXENA, who thanked the participants for their active participation and urged them to spread awareness about child labour in their communities.



The NSS awareness programme on child labour was successful in educating the participants about the issue and promoting social responsibility among them. The event was well-received by the participants, who expressed their appreciation for the opportunity to learn more about this important issue.  
**Agenda:** NSS awareness programme on child labour

## REEL MANIA AWARD CEREMONY

On April 26, 2023, the annual event “Reel Mania” was held at an esteemed institution, showcasing the talent of young students in creating Instagram reels. The event was hosted by Nikita Jain, who welcomed the director of the event, Dr.R.K. Dwivedi, and the vice principal, Dr. Pankaj Kumar Goswami to the stage.

The theme for this year’s event was “The Power of Insta Reels,” and according to Dr. Dwivedi, the students brought life stories that were diverse, compelling, and thought-provoking. The event also featured some captivating live performances by Mr Atharva Verma, Ms Ishika Singh, and Ms Divya Rastogi. Their performances left the audience spellbound and added to the overall excitement of the event. The talent displayed by these young students was truly remarkable and contributed to making “Reel Mania” a memorable experience.

The winners of the event were-Mr Atharv Verma, received first prize, Ms Divyanshi Bisht received second prize, and Mr Ayush Kumar received third prize. All the participants were acknowledged for their hard work and dedication, and the event was deemed a success.



The vice principal, Dr. Pankaj Kumar Goswami, expressed excitement about how the young creators interpreted the theme and brought their unique perspectives to it. The director, Dr R.K. Dwivedi, also praised the passion and hard work put into each reel, and host Nikita Jain commented on the inspiring power of storytelling through the medium of Insta reels.



“Reel Mania” was an excellent platform for young creators to showcase their talent and express their creativity. The event highlighted the potential of Insta reels as a powerful medium for storytelling, and the audience left with a newfound appreciation for the art of creating short videos.

**Agenda:** "Reel Mania" AWARD CEREMONY

## Seminar on a guidance program on Career Opportunities

On 26th April 2023, Mr. Arjun Chhabra, a faculty member of Ace academy conducted a lecture for students in TMU to cover the opportunities after B.Tech. The lecture was held in LT-2, and many students from all B.Tech stream attended. The lecture covered all the opportunities that are available after B. Tech completion. Mr.Chhabra discussed following points during his lecture.

1.Engineering: Many B.Tech graduates choose to work in Engineering fields related to their specialization, such as Civil Engineering, Mechanical Engineering, Electrical Engineering, Computer Science, etc. They can work in industries like construction, manufacturing, automotive, aerospace, telecommunications, software development, and more.

2.Research and Development: B.Tech graduates can pursue careers in research and development (R&D) in both industry and academia. This involves conducting experiments, developing new technologies, and improving existing products or processes.



Mr. Arjun Chhabra  
Ace academy



3.Information Technology: With the increasing demand for technology solutions, B.Tech graduates can find opportunities in the IT sector. They can work as software engineers, data analysts, network administrators, cybersecurity specialists, or in other IT-related roles.

4.Consulting: B.Tech graduates can work as consultants, providing expertise and advice to businesses in various sectors. This can include areas such as technology consulting, management consulting, process improvement, or specialized consulting based on their domain knowledge.

5.Entrepreneurship: Some B.Tech graduates choose to start their own businesses and become entrepreneurs. They can develop innovative products or services based on their technical knowledge and bring them to the market.

6.Higher Education: B.Tech graduates can pursue further studies and opt for postgraduate programs like Master of Technology (M.Tech) or pursue research opportunities leading to a Ph.D. This path can open up opportunities in academia, research institutions, or specialized roles in industries.

7.Government Jobs: B.Tech graduates can apply for various government job opportunities related to Engineering, Technology, and Scientific research. These can be in public sector companies, defense organizations, research laboratories, or government regulatory bodies.

Agenda:To motivate students towards competitive examinations.

#### Host

**Host:** Mechanical Engineering Department, FoE

**Additional Host:** Dr R K Jain

**Co-Sponsor Name:** Nil

**Venue:** LT-2 CCSIT Side

#### Registration

**Start date:**21/04/23

**End Date:** 26/04/23

**Fee:** No Fee

**No of Registration:** 150 participants

#### Speakers

**Title:**Seminar on a guidance program on Career Opportunities

**Description of talk:**Strategy to crack the competitive Examinations

**Speaker Name:** Mr. Arjun Chhabra

**Organization:** ACE Engineering Academy

**Email Address:**arun.sharma@ace.online

**Payment:** N/A

## Celebration of “World Creativity and Innovation Day”

Faculty of Engineering Entrepreneurship Development Cell (FOEDC) celebrated “World Creativity and Innovation Day” on 21 April 2023 under the aegis of Institution's Innovation Council of Teerthanker Mahaveer University, Moradabad. Creativity and Innovation is the need of the hour. Keeping the concern with this fact, We at Faculty of Engineering has organized a wonderful session on "Creativity and Innovation" on 26 April 2023. Essay Writing competition was organized by 21 April 2023. The result of Essay writing competition was also declared. The response, received from the students of various colleges, was overwhelming.

The event was graced by Principal of Faculty of Engineering, Prof R. K Dwivedi, Vice Principal of Faculty of Engineering, Dr PankajGoswami, Event Resource Person Dr GarimaGoswami, Associate Professor & Innovation cell Ambassador IIC – TMU, Mr Pradeep Kr Verma, In-charge FOEDC & Assistant Coordinator – IIC, TMU, Ms InduTripath, Event Coordinator & Proud member of IIC, TMU, All respected HoDs, Coordinators, Faculty members and Participants. The Session was Started with lamplighting against MaaSaraswati.

Prof R K Dwivedi, Principal of FOE elaborated his opinions on Innovation and creativity in very enthusiastic manner that encouraged and congratulated the students to be part of these kind of activities regularly.

Dr Garima Goswami's reflective session on "Innovation and creativity" mesmerized every one. She effectively elucidated all recent examples and motivated all to remain innovative and creative.

Winners of the essay writing competition, held on 21 April 2023 are:

1. Leeza Chauhan BCA II Year CCSIT, TMU.
2. Anshika Yadav B.Sc.(Hons.) Mathematics, I Year FOE, TMU.
3. Ritika Chaudhary BSc. Nursing I Year, College of Nursing, TMU.

The evaluation of the essays was done by an esteemed panel of five members:

1. Dr Sandeep Verma- HOD and Associate Professor, Department of Humanities, FOE & CCSIT
2. Dr Sonia Jayant, Assistant Professor, Department of Humanities, CCSIT
3. Ms InduTripathi, Assistant Professor, Department of Humanities, FoE.
4. Dr ShubhendreParatp Singh, HOD & Associate Professor, Department of Electrical Engineering, FoE.
5. Dr Narottam Kumar Chauhan, Associate Professor, Department of Mathematics, FoE.



FOEDC is highly grateful to all evaluators. The event was very fruitful. A very wonderful and effective anchoring of the event was done by Ms Sejal Jain and Ms Tanishka, the students of B.Tech. CS I year.



# Workshop on Cloud Computing Services - Amazon Web Services (AWS)

CCSIT, TMU has organized a one day Workshop on Cloud Computing Services - Amazon Web Services (AWS) with association of Shapemyskills Pvt. Ltd., Noida in LT-2, CCSIT Block, TMU, Moradabad on 28th April 2023. First of all Prof. R.K. Dwivedi (Principal CCSIT) gave a bouquet to our speaker Mr. Ranu Mishra and Ms. Riya Ranjan. On this wonderful occasion students got chance to enhance their knowledge in Cloud computing. Principal CCSIT Prof. R.K. Dwivedi gave a wonderful speech and motivated students for organizing such a wonderful seminar.

## Important Technical Points that were discussed in Seminar-

1. Scope of Cloud
2. What is Cloud?
3. Concept of Virtualization
4. Before and After Cloud Scenarios
5. AWS Console
6. Launching EC2 Instance
7. Concept of Load Balancer and Autoscaling
8. Mini Project Demo

Mr. Ranu Mishra gave a wonderful speech for the Amazon Web Services (AWS). In Cloud computing finds there are many jobs in the market wright now. He gave many real examples for the given scenario.

Ms. Riya Ranjan gave her speech on Cloud computing finds applications in many industries. Many companies are increasing their spending on cloud-based services rather than local or in-house resources. Cloud service providers offer high-end security to their customers as they understand how critical it is for the success of their business. Moreover, the risk of physical theft (stealing hardware) or damage is minimized in this case because all the necessary files and applications remain stored digitally.

Cloud computing is the on-demand availability of computer system resources, especially data storage and computing power, without direct active management by the user. Large clouds often have functions distributed over multiple locations, each of which is a data center.

Virtualization is the “creation of a virtual (rather than actual) version of something, such as a server, a desktop, a storage device, an operating system or network resources”.



In other words, Virtualization is a technique, which allows to share a single physical instance of a resource or an application among multiple customers and organizations. It does by assigning a logical name to a physical storage and providing a pointer to that physical resource when demanded. The AWS Management Console is a web-based application that lets users access the broad range of services included in the Amazon Web Services (AWS) platform. It also provides easy navigation and centralized access to these services

An EC2 instance is nothing but a virtual server in Amazon Web services terminology. It stands for Elastic Compute Cloud. It is a web service where an AWS subscriber can request and provision a compute server in AWS cloud.

Load balancing is a design method for pre stressed structural members, primarily beams and slabs, that provides efficient use of materials. When using load balancing, the pre stressing tendon is designed for a pre stressing force and eccentricity in order to 'balance' all or a portion of the dead load.

This workshops was organized by Dr. Namit Gupta and Mr. Navneet Vishnoi. This workshop was attended by Dr. A. K Saxena (Vice Principal), Dr. Sambhu Bharaduaage (HoD, CCSIT), Mr. Gaurav Rajput and many more. This workshops anchor by Ms. Leeza Chauhan, Ms. Satendra Kaur. Around 200 students were present in this workshop.

## **MoU between Faculty of Engineering (FoE) & College of Computing Sciences and Information technology (CCSIT),Teerthanker Mahaveer University with the Advanced Level Telecom Training Centre (ALTTC), Ghaziabad**

**Date:** 1/5/23

**Start time:**12.00PM

**End Time:**1.00PM

**Type of Event:** MoU between FoE & CCSIT and TMU

Description of Event: In order to bridge the gap between Industry and Academia, respected Professor Rakesh Kumar Dwivedi, Director & Principal of Faculty of Engineering & Computing Sciences and Information Technology, Teerthanker Mahaveer University TMU, took the initiation of MoU between Faculty of Engineering(FoE) & College of Computing Sciences and Information technology(CCSIT),Teerthanker Mahaveer University with the Advanced Level Telecom Training Centre (ALTTC), Ghaziabad on 1st May 2023, at Teerthanker Mahaveer University Moradabad among the benign presence of Hon'ble Vice Chancellor- Prof. Raghuvir Singh, Registrar-Dr. Aditya Kr. Sharma and Prof. Manjula Jain, Dean (Academics). From ALTTC Ghaziabad, Sh.Jitendra Kumar (Senior Divisional Engineer) and the authorized signatory Sh Dohare (Sr General Manager) were present during the event.



Dr. Ashendra Kumar Saxena, Vice Principal (CCSIT), Dr. Pankaj Kumar Goswami, Vice Principal (FoE), Dr. Alka Verma, Associate Professor (FoE) and Dr. Priyank Singhal (CCSIT) were present. The moment was a proud addition for TMU Moradabad which has tied up with many advanced organizations for the benefit of students.

Advanced Level Telecom Training Centre (ALTTC), Ghaziabad is the apex training institute of BSNL. ALTTC was set up as a joint venture of International Telecommunication Union, Geneva, UNDP and the Government of India in 1975. ALTTC functions on the frontiers of telecom technology, finance and management and imparts training to the leaders in the business. This MoU is aimed at giving students exposure to industry and improve their skills so as to make them industry ready in today's fastest growing area of telecommunication. Such qualified and skilled students will find placements in top industries and in turn this will add to the glory of the Organization. It will enhance Industry-academia collaboration by jointly conducting seminars, Faculty development programs and research activities.

Overall, this collaboration between Faculty of Engineering(FoE) & College of Computing Sciences and Information technology(CCSIT),Teerthanker Mahaveer University and Advanced Level Telecom Training Centre (ALTTC), Ghaziabad is a positive step in enhancing the skills & employability of students. It aims to provide young and innovative minds, the required technical and practical skills to bridge the gap between industry and academia and to increase the employability of students on completion of their education and internship.

## Felicitation Event for B.Tech. IBM Students on 02nd May, 2023

Felicitation event was organized on 02nd May, 2023 by CCSIT officials to congratulate the students of B.Tech. (CSE-IBM) for attaining three certifications. Best wishes were showered and motivated them to lead the technology driven transformation and be future ready @Teerthanker Mahaveer University, Moradabad. The students (Batch-2019) of B.Tech CSE- IBM have successfully completed their certification examination conducted by IBM. Total 33 Students participated in this exam. Students were happy by gaining practical knowledge from IBM Trainers. The students did this certification in Cloud Application Developer, Bigdata Engineer & Artificial Intelligent. The cost of one certification is \$200. IBM career education (Academic collaborative partner) has sponsored this.





# Fresher cum Farewell Party of M.Tech. CSE - Frenzy Fresher's and Valediction Festa-2023

The Fresher cum Farewell Party of M.Tech.CSE - Frenzy Freshers and Valediction Festa-2023 was organized on May 5, 2023 by first year and second year students of College of Computing Sciences and Information Technology at Teerthanker Mahaveer University.

The party was inaugurated by Principal of CCSIT Prof. Rakesh Kumar Dwivedi, Vice Principal Prof. Ashendra Kumar Saxena, HOD Dr. Shambhu Bhardwaj, and Program Coordinator of M.Tech.CSE Mrs. Anu Sharma by lighting a lamp in front of goddess Saraswati's idol.

Respected Principal Prof. R K Dwivedi said that M.Tech. CSE is one of the best programs in core Engineering Professions. He said that there has been a 100% result so far in the program. M.Tech. first year students are working on research based seminar and final year students are working well on the dissertation and have published many research papers. He wished the students good luck for their bright future.



Mrs. Anu Sharma, Program Coordinator of M.Tech.CSE said that the Fresher cum Farewell Interaction develops communication among juniors, seniors, guides and teachers. She encouraged the students to focus on their goals. She wished everyone a bright future and expressed gratitude to all who were present.

On the occasion of the Frenzy Freshers and Valediction Festa-2023, all present over there cut the cake together. All the students displayed their skills along with the ramp walk and also gave their introductions in the Talent Hunt. The title 'Star of the day' was awarded to Aditya Tripathi of first year while Anshika Sharma of second year won the title 'Be the Change'. The program was anchored by Khushbu Pathak of second year.

The jury consisted of HOD Dr. Shambhu Bhardwaj, Dr. Shalini Ninoria, and Mrs. Anu Sharma. On this occasion, Mr. Rupal Gupta, Dr. Ranjana Sharma, Mrs. Neeraj Kumari, Mr. Amit Singh, Mr. Vivek Kumar, Mr. Jyoti Ranjan Labh, Dr. Anil Sharma, Dr. Namit Gupta, Mr. Manoj Gupta, and Mr. Dinesh Kumar were also present.

## FAREWELLIA-2023

A farewell party was organized for senior students by the junior students of Mathematics Department at Faculty of Engineering of Teerthanker Mahaveer University, Moradabad. Respected Principal Prof R K Dwivedi addressed the students and said that the role of mathematics is in every field and it is impossible to work in any field without mathematics.

After his significant address, the cultural program was started with a dance by the students. A dance performance presented by Muskan was appreciated and enjoyed a lot by the audience. After this, Ishika, a second-year student of BSc. (H) Mathematics, presented a poem, while a research scholar Miss Chhavi Gupta presented a dance. This was followed by a fun game among the faculty members. The winners were Dr. Narottam Singh Chauhan and Shri Adarsh Chaudhary. This was followed by an emotional song sang by Ambuj Gupta, a final year B.Sc. student. In this sequence, many competitions were held among the final year students. On the basis of which Mr. Farewell and Miss Farewell were selected. In which Mr. Tushar Kumar was selected as Mr. Farewell while Kashish Bhargava was selected as a Miss Farewell from B.Sc. (Hons) Mathematics and Mr. Farewell Anmol Narula and Miss Farewell Palak Tandon from M.Sc. Mathematics. The farewell party concluded with Dr. Vipin Kumar's vote of thanks.



The program was anchored by Prerna and Arais Khan. During the program, Dr. Ashendra Kumar Saxena, Dr. Shambhu Bhardwaj, Dr. Ajit Kumar, Dr. Vipin Kumar, Dr. Abhinav Saxena, Dr. Alok Gehlot, Dr. Kamesh Kumar, Dr. Narottam Singh Chauhan, Mr. Ashok Kumar, Mr. Vijendra Singh Rawat, Dr. Gulista Khan, Dr. Ajay Kumar Upadhyay, Mr. Rahul Vishnoi, Mr. Prashant Kumar and Komal Chaudhary were present.

# FANTAST FIESTA-2023

College of Computing Sciences & information Technology, Teerthanker Mahaveer University organized B.Sc Hons-CS Farewell Party-FANTAST FIESTA-2023. This FANTAST FIESTA-2023, organized by the first and second year students of B.Sc. Hons CS for their seniors was inaugurated by the Director and Principal of FOECS, Prof. Rakesh Kumar Dwivedi, Vice Principal, Prof. Ashendra Kumar Saxena, Head of the Department, Dr Shambhu Bhardwaj, Program Coordinator of BSc Hons-CS Ms. Neeraj Kumari and Mr. Abhilash Saxena by lighting the lamp in front of the statue of Maa Saraswati. Anshika Bahukhandi got the title of Miss. Farewell and Siddhant Negi got the title of Mr. Farewell in FANTAST FIESTA-2023. Charu Pareek won the Miss charming, Chirag Jain Mr. charming, and Bhoomi Jain won the title of star performer.

Director and Principal of FOE & CCSIT Prof. Rakesh Kumar Dwivedi said that B.Sc. Hons CS is one of the best programs in this university. He said that the percentage of unemployment in this program is zero. The students of BSc Hons CS have a great quality of supporting each other with a healthy competition. Our students are pursuing higher education in foreign countries besides getting jobs in reputed multinational companies of the country. Today CCSIT is a leading institution of TMU because of the relentless efforts put in by our students and faculty are encouraging the students to work hard with dedication in every field of life. He said that someone makes a footprint on the walking footprints, he is the warrior who makes his way in this world. He blessed the students to grow with discipline in every dimension and wished them a bright future. Pro. Dwivedi also extended his heartiest congratulations to all the winners.



In Farewell FANTAST FIESTA-2023, Pallavi Chauhan and Prince Gautam has done anchoring. Siddhant Negi and Anjali Tyagi organized the games for their seniors.

In this occasion Prof. Ashendra Kumar Saxena, Proctor Dr. Shambhu Bhardwaj, Mr. Rupal Gupta, Mr. Abhilash Saxena, Dr Ranjana Sharma, Miss Anu Sharma, Namit Gupta, Shri Manoj Gupta, Shri RP Singh and all the teachers with the students were present.



# YAADEIN 2023

The most awaited event, farewell party under the name of 'Yaadein-2023' was organized for BCA final year students by the second-year students of CCSIT in Riddhi Siddhi Bhawan, 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 united 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 lighting the lamp along with the blessings of goddess Saraswati by our dignitaries Prof R K Dwivedi, Principal of CCSIT, Teerthanker Manaveer 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 Piyush & Band mesmerized performance and Couple Dance performed by seniors and juniors.



Prof. R.K. Dwivedi (Director & Principal, FOECS)



Miss Fresher: Ishika Singh, Mr. Fresher: Radhika Agarwal were selected and awarded with the title of Mr Fresher and Miss Fresher respectively. Shivam Rawat, Pragya Kumari were selected and awarded with the title of Mr. Handsome and Miss Charming respectively. 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 the whole sole objective of CCSIT. He elaborated on all career opportunities in BCA and encouraged the students to remain aware of these one and keep updated them with the time.



Dr.Ranjana Sharma, Program Coordinator of BCA First year delivered vote of thanks to all for making the event delighted and successful. The program was anchored by Ananay Mathur, Shagun Sharma, Leeza Chauhan, Satendra Kaur, the students of BCA and the anchors went up to the audience and asked them random question which any one would answer. All of them enjoyed a lot. Mr. Harjinder Singh, Dr. Nuparam , Dr. Shailendra Pal , Dr. Shalini Ninoria ,Dr. Vipin Khatri, Rishi Saxena , Dr. Shailendra Pal, 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.



# National Technology Day

Faculty of Engineering Entrepreneurship Development Cell (FOEDC) celebrated “National Technology Day” on 11 May 2023 under the aegis of Institution’s Innovation Council of Teerthanker Mahaveer University, Moradabad. National Technology Day in India holds historical significance and is celebrated to commemorate the achievements and advancements in the field of science and technology. May 11, every year marks the successful nuclear tests conducted by India in 1998. National Technology Day, which is a significant observance in India, commemorates the remarkable advancements and achievements made in the field of technology. This special day holds great importance as it marks the successful nuclear tests conducted at Pokhran, Rajasthan, in 1998, known as Operation Shakti. It was only on May 11, 1998, when India successfully tested 5 nuclear powered bombs in Pokhran, Rajasthan, to demonstrate its defence capability. This is regarded as one of the significant moments of Indian history. A session on “Technology and Innovation” was delivered by Dr Pankaj Goswami, Vice Principal, FoE-TMU. Dr Goswami elaborated the significance of Technology and Innovation very effectively. He talked about Creativity, Innovation & Entrepreneurship. He also discussed about stages of creative problem solving, factors of creative efficiency, phases of creative process, component, techniques etc. He also talked about types of innovation. Prof. (Dr.) R.K. Dwivedi, Principal-FoE, Dr Rahul Sharma, Dr. Diwaker Pathak, Dr. Shambhu Bhardwaj, Mr Rupal Gupta, Dr Garima Goswami, Dr Alka Verma, Mr Prashant Kumar, Dr Shubhendra Pratap Singh, Dr Narrottam Singh, Mr Rahul Vishnoi were present in session.



Approximate 100 students participated in session. The College has always been a driving force for the students impelling them to experiment and excel in all the spheres of life. The college has often propelled the students towards the creative thinking by inculcating the ideas of Innovation. The IIC team firmly believes that it is not the end of the idea generation rather a continuous mentoring of these students is the need of the hour so that the seeds of Competitions may be nurtured and evolved with times.



# PRESENTATION OF BUSINESS PLAN/PROJECT COMPETITION

Faculty of Engineering Entrepreneurship Development Cell (FOEDC) organized “PRESENTATION OF BUSINESS PLAN/PROJECT COMPETITION” under the aegis of Institution’s Innovation Council of Teerthanker Mahaveer University, Moradabad. Business plan/project competition is an opportunity for students/entrepreneurs to showcase their innovative ideas and compete for resources, funding, and recognition. The purpose of a business plan/project competition is to provide a platform for innovative and creative business ideas, and to give participants an opportunity to showcase their skills and knowledge to potential investors and customers. These competitions are focus on specific themes such as sustainability, social impact, or technology. The event would not have been a success without the guidance and mentorship of respected Principal Dr R. K. Dwivedi, who had been the backbone of the event.

The event was open only for the students of Teerthanker Mahaveer University, Moradabad and six teams presented their ideas/projects in detail. The discussion and presentation took place before the College IIC team.



The following were jury members:

Prof. (Dr.) R.K. Dwivedi, Principal- Faculty of Engineering & CCSIT  
Dr Rahul Sharma , Faculty of Engineering  
Dr.Diwaker Pathak, Faculty of Engineering  
Dr. Shambhu Bhardwaj, College of Computing Sciences & IT  
Mr Rupal Gupta, College of Computing Sciences & IT

The College has always been a driving force for the students impelling them to experiment and excel in all the spheres of life. The College has often propelled the students towards the creative thinking by inculcating the Ideas of Innovation. The IIC team firmly believes that this is not the end of the Idea generation. Rather, a continuous mentoring of these students would be the need of the hour, so that the seeds of Competitions nurtures and evolves with times.

## Rules:

1. Any students from Teerthanker Mahaveer University can participate.
2. The team size should not exceed three members and teams may have an outside team member. Multi-disciplinary, cross-pollinated teams are encouraged.
3. Every Team must have a Mentor. Team mentor must be an Expert/Innovation ambassador.
4. It is strongly recommended that the teams must focus on submission of quality solutions with well thought approach to opted problem.
5. The idea document PPT should be compiled strictly as per the prescribed format.
6. Evaluation criteria will include novelty of idea, complexity, clarity and details in prescribed format, feasibility, practicability, sustainability, scale of impact, user experience and potential for future work progression.
7. All participants will get certificates.

- Prizes:**
- I Prize—2000 ₹
  - II Prize -1500 ₹
  - III Prize -1000 ₹

**Teams & results:**

Teams from faculty of Engineering and College of Computing Sciences & IT participated in the events. Total six teams participated in competition. Winners are as follows:

I Prize: Vinayak Mishra and Akshit Jain B.Tech. EE II year from Team HV Line Defender , II Prize: Pradhuman Kumar and Brijesh Singh, B.Tech Civil IV year from Team Gulab and III Prize: Ankit Rawat and Lochan Jain , B.Tech IV year from Team iNC Corporate. Winners received cash prizes of ₹ 2000, ₹ 1500 and ₹ 1000 respectively.

## SANDHAAN 2023-Student Visit, Amrapali Group of Institute, Haldwani.

Students of MCA, BSc. (CS), BSc. (Animation) B.Tech IBM & TCS participated in Technical Fest (“SANDHAAN 2023”) on 11/05/2023 organised by Amrapali Institute of technology & Sciences, Haldwani(Uttarakhand). Total 24 Students participated in different activities. Total 6 events were organized:Robotica, Lan Gaming, E-Poster, Treasure Hunt, 2 Minutes to Fame & Codex. Our students won in E-Poster making Competition & got the trophy.



# Session for awareness of job in Electronics

## Host

Host: Dr. Pankaj Goswami  
Co-Sponsor Name:

Additional Host: Dr. Alka Verma  
Venue:3106

## Speakers

Title:Session on scope of VLSI  
Speaker Name:Mr Nitin Gupta

Organization:Signoff Semiconductors

A one day session on scope of VLSI was organized by the Department of Electronics & Communication, Faculty of Engineering, TMU for awareness on unlimited job opportunities in Electronics & Communication Engineering. The session was organised to develop an insight about the future trends of job opportunities in the field of VLSI. Mr Nitin Gupta, Director, Signoff Semiconductors, delivered a talk on the recent trends, research and technology behind the microscopic chip designing for jobs perspective. He is an active recruiter of signoff semiconductors limited, Hyderabad and has recruited students of Electronics department of Teerthanker Mahaveer University on an initial pay package of 6 Lacks per annum in previous years. He said that in India and abroad there are plenty of job opportunities in the field of VLSI, Hardware programming, IoT and communication sectors, but there is high scarcity of skilled Engineers. He suggested few skills related to current demand in electronics industries such as layout designing, fabrication, chip design, hardware programming, networking, security and power supply design. In this interactive program he discussed about the evolution of engineering, ICs, various type of semiconductor jobs and companies, ICs design flows, including small and multidimensional chip architectures, low power design, design automation, reliability, and emerging technologies and limitations.



Mr Nitin Gupta  
Signoff Semiconductors





# FDP on Switching, Routing and Wireless Essentials (CCNA v7.02)

**TEERTHANKER MAHAVEER UNIVERSITY**  
COLLEGE OF COMPUTING SCIENCES & IT

REP: TMC/COE & CSIT/ACA/22-23/1916/97 DATE: MAY 15, 2023

**CIRCULAR/NOTICE**  
**FACULTY DEVELOPMENT PROGRAM ON SWITCHING, ROUTING AND WIRELESS ESSENTIALS (CCNA V7.02)**  
(DURATION 6 WEEKS: 16-MAY-2023 TO 24-JUNE-2023)

It is a matter of pride that CSIT in collaboration with Cisco Networking Academy is organizing a 6 weeks faculty development program on Switching, Routing and Wireless Essentials (CCNA v7.02) on demand by the participants of previous FDP held in Oct-Nov-2022-23. This FDP will further take the learning of the participants to next level, as they will be exposed to various concepts of Switching, Routing and Wireless Networks along with the hands-on use of latest Network Simulator tool of Cisco i.e. Packet Tracer 8.1.

The notified faculty members will be enrolled in Cisco Networking Academy portal. The tentative FDP schedule is as follows:-

Commencement Date	16-May-2023
Post Module Exam	To be scheduled during the FDP
FDP Certificate Date	Last week of June 2023 (tentative)
Certificate Distribution	To be declared
Duration	2hrs-30 min daily

The participants will get CCNA v7: Switching, Routing and Wireless Essentials certificate from Cisco on successfully clearing the online exam on Cisco Networking Academy portal. One parallel batch of CCNA v7: ITN will also be conducted for those who are interested and have not participated in previous FDP.

The list of nominated faculty members and the detailed curriculum (CLASSIFIED SPAT) attached separately.

Dr. Priyank Singhal  
(FDP Trainer & Coordinator)

Prof. Dr. J. Rakesh Kumar Dewvedi  
(Principal, CSIT, TMU)

Copy To:  
1. P.T. Mahaveer Vice-Chancellor  
2. Registrar  
3. Assistant Dean - Academic  
4. Hostel In-charge  
5. CSIT & Mahaveer Group

**TEERTHANKER MAHAVEER UNIVERSITY**  
COLLEGE OF COMPUTING SCIENCES & IT

**Six Week**  
**FACULTY DEVELOPMENT PROGRAMME**  
ON  
**SWITCHING, ROUTING, AND WIRELESS ESSENTIALS (CCNA v7.02)**  
16-May-2023 to 24-June-2023

**Prof. Rakesh K. Dewvedi**  
Principal & Director  
CSIT & Iod-  
TMU, Mysore

**Dr. Priyank Singhal**  
Class Certified Inmate  
CSIT, TMU

VENUE: CSIT LAB CSIT



## Orientation session for Ph.D. scholars on “Know Your Ph.D. Ordinance & SOPs”

A one day orientation session for Ph.D. scholars on “Know Your Ph.D. Ordinance & SOPs” was organized by College Research Committee (CRC) of College of Computing Sciences & Information Technology, TeerthankerMahaveer University, Moradabad on 17 May, 2023. Dr. Parag Agarwal and Mr. Amit Kumar Vishnoi were the organizers of this workshop. The program was started by the briefing of the program by Ms. Vratika Gupta, research fellow and student coordinator of this program. The program was started with the worship of Goddess Saraswati. Prof. Ashendra Kumar Saxena, Vice Principal, CCSIT welcomed Prof. Dwivedi, Principal CCSIT by giving a bouquet.

Prof. Rakesh Kumar Dwivedi, Principal, CCSIT and the chief resource person in the workshop, threw light on the academic journey of Ph.D. Scholars. He encouraged the budding researchers to gain knowledge and earn Ph.D. degree with their hard work. He discussed the research framework of TMU with the research scholars and advised them to follow all the formats and SOPs mentioned in the Ph.D. ordinance without any gap.

Prof. Dwivedi also interacted with the research scholars and discussed their research progress and future research plans. He resolved the queries of research scholars regarding their research framework.



Dr. Parag Agarwal, coordinator of College Research Committee of CCSIT and coordinator of this orientation session gave his talk on the topic “Know Your Ph.D. Ordinance & SOPs”. He described all the important points of TMU Ph.D. ordinance and SOPs to the research scholars in detail and resolved their queries. He made the research scholars aware of all the formats required during their Ph.D.

Mr. Amit Vishnoi, Co-coordinator of this orientation program proposed the vote of thanks to all the research scholars, teaching and non-teaching staff who participated and helped in the organization of this program. In this orientation program, approx. 100 research scholars participated. Ms. Vratika Gupta, Ms. Anushree Kaushik, Mr. Nitin Kumar Saini and Mr. Gaurav Saxena were the student coordinators of this orientation program. Mr. Manoj Gupta and Mr. Dinesh Kumar gave the technical support, Mr. Abhishek Saxena gave the administrative support and Mr. Nikhil Saxena, Mr. R. P. Singh from the Principal Office, CCSIT gave all necessary support for the successful organization of this program.

## AWARENESS PROGRAMME ON CHILD EDUCATION

On May 18, 2023, the NSS unit of Teerthanker Mahaveer University (TMU) Moradabad organized a remarkable program focused on the importance of child education. The event aimed to raise awareness about the significance of education in a child's life. The program comprised of various activities, including cleaning the school campus and planting trees. TMU students, faculty members, and Dr. Abhinav Saxena, the coordinator of the event, actively participated in the program. The program was conducted at the Government School in Fatehpur Vishnoi. The event's primary focus was on highlighting the importance of child education. Through discussions, presentations, and interactive sessions, the participants aimed to emphasize the role of education in shaping the future of children and society as a whole. The program took place at the Government School in Fatehpur Vishnoi, providing an opportunity to directly engage with the educational environment and address the needs of the local community. The event witnessed the presence of TMU students, faculty members, and enthusiastic individuals dedicated at promoting child education. Their collective efforts contributed to the success of the program.

Participants engaged in insightful discussions and presentations regarding the importance of child education, covering various aspects such as access to education, quality of education, and inclusive learning environments.



Recognizing the significance of a clean and hygienic environment for effective learning, the volunteers actively participated in cleaning the school campus. This activity aimed to foster a sense of responsibility and instil good hygiene practices among the students.

For promoting environmental sustainability, the participants organized a tree plantation drive within the school premises. The act of planting trees not only beautifies the surroundings but also creates awareness about the importance of environmental conservation among the students.

To engage with the students and address their queries and concerns, interactive sessions were conducted. TMU students and faculty members shared their experiences and provided guidance on educational and career paths.

Esteemed speakers delivered motivational talks, inspiring the students to pursue education as a means of personal and societal development. These talks aimed to ignite a passion for learning and empower the students to overcome challenges.



The NSS program organized by TeerthankerMahaveer University on May 18, 2023, successfully highlighted the importance of child education. By conducting activities like cleaning the school campus and planting trees, the event instilled a sense of responsibility, cleanliness, and environmental consciousness among the students. The interactive sessions and motivational talks provided the students with valuable insights and motivation to excel in their educational journey.

The program's impact extended beyond the event itself, leaving a positive impression on the participating students, faculty members, and the local community. It emphasized the role of education in transforming lives and emphasized the need for collective efforts to ensure that every child receives quality education.

The success of the NSS program can be attributed to the dedication and coordination of Dr. Abhinav Saxena, who served as the event coordinator. His guidance and support facilitated the smooth execution of the program and ensured its effectiveness.

TeerthankerMahaveer University's NSS program on the importance of child education showcased the institution's commitment to social responsibility and educational development. It served as a platform for fostering a brighter future for the students and the community at large.

## Industrial Visit at-ALTTC, Ghaziabad, India.

Faculty of Engineering & Computing Sciences and Information Technology, Teerthanker Mahaveer University TMU, in order to bridge the gap between Industry and Academia, conducted an industrial visit in Advanced Level Telecom Training Centre (ALTTC), Ghaziabad on 2nd May 2023 which provided a platform for Industrial exposure to the students of FoE& CCSIT for Hands-on Training and Learning.

The Advanced Level Telecom Training Centre (ALTTC), Ghaziabad is the apex training institute of BSNL. ALTTC was set up as a joint venture of International Telecommunication Union, Geneva, UNDP and the Government of India in 1975. More than hundred students of B.Tech 2nd Year and 3rd Year (Electronics and Communication Engineering, Electrical Engineering & Computer Science), 2nd Year BCA, 1st year MCA and 2nd Year B.Sc(CS) along with four faculty members comprising of Dr. Alka Verma, Dr. Priyank Singhal, Dr. Gulista Khan, and Mr. Vineet Chauhan visited the ALTTC Ghaziabad on 2nd May 2023. This whole program was successfully planned and executed by Dr. Abhishek Gupta, Senior Divisional Engineer(SDE), ALTTC Ghaziabad, Dr. Alka Verma Associate Professor (ECE) and Dr. Priyank Singhal Associate Professor (CCSIT) under the able guidance of worthy Prof. Rakesh Kumar Dwivedi Director of Faculty of Engineering & Computing Sciences and Information Technology, TMU.



Dr Abhishek Gupta, Senior Divisional Engineer(SDE)and Er. Krishan Kumar Singh Yadav Junior Telecom Officer, ALTTC Ghaziabad gave an introductory session in which theybriefed the students about different means and modes of technologies that transmit information.Mr Neeraj Gupta Junior Telecom Officer, ALTTC briefed the students about the special courses that they offer. Students were also briefed about What the Telecom is? and how it is different from Information Technology (IT). They discussed about how the exchange of information over significant distances are done by electronic means using types of voice, data and video transmission. Overview of Telecom Infrastructure and Power Plant, Computer Network: its benefits and usage, Live Telecom Network Technology i.e. (LT-NT), the difference between Telecom versus IT communication, Role of Artificial Intelligence (AI) in the electronic world and Communication Engineering,Introduction to Optical Fiber Communication,types of fiber, Types of cable, FDF, FDMS, Connectors, Splicing, closures etc., briefing about all the connections, 3G/4G and 5G Mobile Communication: Introduction to 3G UMTS, 4G Mobile Communication etc., Computerized data networks and its type were very well explained. Students were thrown light on the Metaversestating it as a hypothetical iteration of the Internet as a single, universal, and immersive virtual world that is facilitated by the use of virtual reality (VR) and augmented reality (AR) headsets., its features and types- Real and Clone. Students were made to visit well-equipped labs of ALTTCfollowed by the visit of Satellite Earth Station. Students were explained how satellite communication is done. The objective of visit was to broaden the understanding of students in the field of Computer and communication. It was a good experience of implementing the theoretical knowledge of the subjects in to the practical application in industry.

## BSc-Animation's Farewell - Euphoria

Faculty of Engineering & Computing Sciences-FOECS, Teerthanker Mahaveer University organized BSc-Animation's Farewell - Euphoria. Director and Principal of FOECS, Prof. RK Dwivedi, HOD, FOECS Prof. Ashendra Kumar Saxena, Proctor Dr. Shambhu Bhardwaj and Program Coordinator of Animation Mr. Jyoti Ranjan Labh inaugurated the Farewell - Euphoria by lighting the lamp in front of the idol of Maa Saraswati. Farewell - Euphoria saw Shahil crowned as Mr. and Khushi as Miss Fresher. Director and Principal of FOECS Prof. RK Dwivedi said that the animation department is growing with time. Animation department is the beauty of this institute which gives a different identity to the institute. Encouraging the enthusiasm of the budding students, he told that all the children of this course are very disciplined and successful. In the end, he thanked everyone and said, in this way animation has not only become a part of our college but is also making institute proud. Show anchoring was done by Apoorva Mittal and Khushi Agarwal of final year. And further it was handled by Aditi and Akash of first year.





At Farewell Euphoria, Bhavishya of FIRST started the program by dancing on the song Deva Om Deva.... Then the seniors showed their mettle by walking down the ramp. Last year's students presented a group dance. Shahil of third year made the atmosphere exciting with his poetry. First year student Ishaat sang medley. Final year student Nadeem danced on a rocking song. In the end, the enthusiastic students added glamor to the program by walking down the ramp. Mrs. Shikha Gambhir and Hina Hashmi were in the jury. To make the program more fun, the judges asked the first year students about their life in the university. Mr. Pradeep Kumar Gupta, Mr. Ankur, Mr. Satendra Rathi, etc. were also present in the Farewell Euphoria.



## Business Model Canvas (BMC) & Startup Policy

Faculty of Engineering Entrepreneurship Development Cell (FOEDC) organized a session on Business Model Canvas (BMC) & Startup Policy” under the aegis of IIC-TMU to provide participants with a comprehensive understanding of these concepts and their relevance in the startup ecosystem. Session was started with lamp lighting ceremony in front of MA SARASWATI.

The session focused on two key topics: the Business Model Canvas and startup policy. The aim was to provide participants with a comprehensive understanding of these concepts and their relevance in the startup ecosystem. The facilitator introduced the session by highlighting the importance of a well-defined business model and understanding the policy landscape for startups.

### Business Model Canvas:

The first part of the session delved into the Business Model Canvas (BMC), which is a strategic tool used to develop and document business models. The facilitator Prof. Rakesh Kr Dewedi Principal-FoE explained the nine building blocks of the BMC:



- Customer Segments: Identifying target customers and their characteristics.
- Value Proposition: Defining the unique value the startup offers to customers.
- Channels: Determining the distribution and communication channels to reach customers.
- Customer Relationships: Establishing the type of relationship the startup aims to build with customers.
- Revenue Streams: Identifying the various sources of revenue for the startup.
- Key Resources: Identifying the critical assets and resources required to operate the business.
- Key Activities: Outlining the key actions and processes necessary for the startup's success.
- Key Partnerships: Identifying strategic partnerships and collaborations.
- Cost Structure: Assessing the fixed and variable costs associated with the business model.

The facilitator provided real-world examples to illustrate how each building block interacts and contributes to the overall business model. Participants engaged in a group activity where they had to apply the BMC to a hypothetical startup, gaining practical experience in its implementation.



### Startup Policy:

The second part of the session focused on startup policy, emphasizing the significance of supportive TMU policies in fostering an enabling environment for startups. The facilitator discussed key aspects of startup policy, including how one can avail incubation support. Startup policy plays a crucial role in creating a supportive ecosystem for startups by addressing legal, financial, and infrastructural needs. The session concluded with an interactive discussion and Q&A session. Participants actively shared their thoughts, concerns, and experiences related to business model development and startup policy. The facilitator addressed their queries and provided further clarification on specific topics.

### Key Takeaways:

- The Business Model Canvas provides a structured framework for analysing and designing business models, enabling startups to understand key elements and their interdependencies.

- Startup policy plays a crucial role in creating a supportive ecosystem for startups by addressing legal, financial, and infrastructural needs.
- Understanding and navigating the policy landscape is essential for startups to leverage available resources and opportunities effectively.

### Conclusion:

The session on the Business Model Canvas and start-up policy proved highly insightful for the participants. They gained a solid understanding of the BMC and its application in real-world scenarios. Additionally, they also acquired knowledge about the significance of startup policy and how it can impact their entrepreneurial journey. The session concluded with a positive note. Approx. 100 Students participated in the program.

## UPPCL/PVVNL Training organized at CCSIT of Teerthankar Mahaveer University

### Highlights:

Categories of trainees: Cashier/Accountant/Assistant Accountant, Clerk, Junior Engineer, Sub Division Officer/AE Meter/AE Information Technology/AE Revenue/AE E&M, Executive Engineer

Number of trainees:- Cashier (248), Accountant (50), Clerk (485), Junior Engineer (226), Assistant Engineer (107) & Executive Engineer (31)

Total batches: Cashier (4), Accountant (1), Clerk (8), Junior Engineer (4), Assistant Engineer (2) & Executive Engineer (1)

Venue of Training: LAB 3215 CCSIT-TMU

Timing of Training: 9:00 A.M. to 1:00 P.M. & 2:00 P.M. to 6:00 P.M.

Total Trainees:- 1147



College of Computing Sciences & Information Technology (CCSIT) of Teerthankar Mahaveer University hosted the training of UPPCL/PVVNL employees. The training program was conducted by the officials of UPPCL/PVVNL in different batches. In the training program, the trainer explained the areas as per the employee's cadre. The training has been conducted in two phases. The first phase has been started from 10th June to 21st June, in which 248 Cashier, 485 Clerk and 50 Accountant were trained regarding the assigned job responsibilities. The second phase has been started from 1st July to 6th July, in which 226 Junior Engineers, 107 Assistant Engineers and 31 Executive Engineers were trained regarding the assigned job responsibilities.

The training has been ended by the test in which trainee must score 80% marks. The training arrangements have been done in the able guidance of Prof. R.K. Dwivedi (Principal-CCSIT) and Shri Manoj Gupta (System Administrator).

# FAREWELL PARTY “FARE-D-well- 2023” For B.TECH(CSE),AI+ML+DL & IBM

On 3rd of June 2023, 3rd year students of B. Tech CSE (all branches) organized FARE-D-well, farewell party for final year CSE, AI and IBM students. Venue of the event was Ridhi Sidhi Bhawan, TMU, Moradabad. Inauguration of the event was done by honorable principal of FOECS Prof. R K Dwivedi with lamp lighting and best wishes have been greeted to the Final year students at the entrance of the hall. Welcome of dignitaries was done by bouquet.



Principal and Coordinator give their best wishes and congratulate them for their grand placement, Also tell them few tips to handle the real world ahead after their academics. Anchors for the program were Shashwat raut and Astha Jain. To begin the event girls of B. Tech CSE-AI brought a wonderful dance performance depicting the college life of an engineer. Ramp walk was performed by all the seniors and jury sorted remarkable perfumers for the second round. Another energetic dance performance was presented by B. Tech CSE girls. Soham Jain recited a poem about experience in college life. Seniors also showed their enthusiasm with a wonderful dance performance by kanishka Jain and group. Then second and entertaining round of the event started, in which the selected ones from the first round had to pick a chit which decides whether he/she would sing, dance or act. The competition was really tough, everyone was giving their cent percent. After all this excitement lunch interval was there. Everyone had their belly filled and came back with more excitement. A band performance was presented by seniors Sarwagya Chaudhary and Bhavesh. Results of round 2 were announced and everyone buckled up for final round which was one on one question answer round. Various situation and interesting questions were asked by jury and the students replied them very gracefully and confidently.



Boys from B. Tech CSE- AI gave remarkable dance performance with team lead by chiraag jain and solo performance of senior Suchita was one of the best of the day. Finally, the result was compiled and Coordinators, Mr. Rupal Gupta (CSE & AI) along with Mr. Amit Singh (IBM) announced the results and awarded the winners. There were different and unique categories of award title, Ritika Jain became Ms. Reedim Gulati and Jay Maloo was Mr. Eve Then the moment came that everyone had waited for, kanishka Jain and Sarwagya Chaudhary were crowned as Ms. and Mr. Farewell. Event came to closure with blessings and vote of thanks of Mr. Rupal Gupta. Juniors gave the send off to their seniors with DJ night. Events ends in a success and all the efforts made were fruitful.

## Facilitation Ceremony at Principal Office on receiving the Prize Money.

Two students of B.Sc Animation, CCSIT, TMU Anshika Jain and Aditi Jha won the first prize for acting in advertisement video of TMU. For this prize both won Rs 5000 check each. In continuation two BCA students Mitrayi Chaudhary and Vikhyati rai won Rs1000 each for the runner up prize. The Prize money was presented to the students by respected Principal Dr. Rakesh Kumar Dwivedi on this occasion. He also gave blessing to the students for this valuable contribution. Dr.Dwivedi also said that this kind of opportunity helps the students in their grooming. He congratulated the coordinator of B.Sc. Animation Mr. Jyoti Ranjan Labh and Program chair of BCA Dr. Ranjana Sharma on this achievement. On this occasion the Vice principal Dr.Ashendra Kumar Saxena and HodDr.Sambhoo Bharadwaj were also present.



## Health Awareness Program

On 15th June 2023, the faculty and staff members of CCSIT attended 'Health Awareness Program'. The purpose of the session was to make awareness about attaining good health.

The resource person for the session was Ms. Kiran Varshney (M.A. in 4 subjects and Ph.D. pursuing) and Mr. Sachin Kumar (B.A. & Diploma in Electronics). The session began with the introduction of resource person by the event coordinator Dr. Priyank Singhal.

Prof. R K Dwivedi (Principal & Director, CCSIT & FOE) delivered the welcome address and focused on the theme of health awareness. He insightfully gave the facts that how in present modern times one can win over and attain good health by practicing basic good habits and having a healthy mindset. He played a very good motivational video that narrated a story of a person who win over his critical health condition with a positive and strong mindset.

The session was further taken over by the resource person Ms. Kiran Varshney. She narrated her own example and the journey from being a chronic thyroid patient to a fit person now. She told how eating right food and with right guidelines helps achieve good changes in one's health. She was too much overweight and has tried all possible methods but they did not work. Then she met her coach on someone's suggestion and thereafter her journey of change began. She has cured her almost all health issues and now she is leading a medicine free life.




**HEALTH AWARENESS PROGRAM**


**15/JUNE/2023 THURSDAY**

Time : 11 AM - 12 PM


Venue :-TMU CAMPUS  
CCSIT Lab 3201B



**COACH**  
**MISS KIRAN VARSHNEY**  
Ex tmu faculty



**GUEST SPEAKER**  
**MR. SACHIN KUMAR**  
Poly Diploma in electronics &  
graduate from arts



Mr. Sachin Kumar (health and fitness coach) told various important aspects of how to reduce weight, how to maintain healthy body weight, how to be energetic. He told the true story of his own self and his family members about achieving healthy body weight. In his family the total weight lost among 5 family members was more than 125kg. He told that 80% role is of the food we eat and 20% is the role of exercises for good health. He has told the participants that they can also get the same benefits by joining his community where online sessions will help the people to achieve and maintain good physical and mental health. The session ended by thanks note that was delivered by Dr. Vipin Khatri. The session was coordinated by Dr. Priyank Singhal and Mr. Manoj Gupta. The feedback of all the participants was encouraging and they demanded more such sessions to be organized in future as well.

## AI-generated images



Mr. Pradeep Kumar Gupta

AI-generated images refer to images that are created or manipulated using artificial intelligence algorithms, particularly those based on deep learning techniques. These algorithms can generate images from scratch or modify existing images to produce novel and often realistic results.

One of the popular approaches for generating images using AI is through Generative Adversarial Networks (GANs). GANs consist of two neural networks: the generator and the discriminator. The generator network creates new images, while the discriminator network tries to distinguish between real and generated images. Through an iterative process, the generator improves its ability to produce realistic images, and the discriminator becomes better at identifying generated images. This leads to the generation of high-quality, realistic images that can resemble photographs, paintings, or other artistic styles.

AI-generated images find applications in various fields, such as:

1. Art and Design: AI can create unique artworks, abstract compositions, and visually appealing designs.
2. Video Games: AI-generated images can be used for creating game assets, characters, landscapes, and environments.
3. Data Augmentation: In machine learning, AI-generated images are used to increase the diversity and quantity of training data, enhancing the model's performance.
4. Medical Imaging: AI-generated images can help in synthesizing realistic medical images for research and training purposes.

5. Style Transfer: AI can transform images to mimic the style of famous artists, like turning a photo into a Picasso-like painting.

6. Image Super-resolution: AI can enhance the resolution and quality of low-resolution images.

7. Creative Projects: Artists and creators often use AI-generated images as part of their projects and experimentation.

Google Photos: Adobe Photoshop Prisma, Deep Art Effects, FaceApp, VSCO, PicsArt, Visage, PixlLunatic, Microsoft Lightroom: Adobe's photo editing are commonly used apps.



Created by Pradeep Kumar Gupta through AI



# News Corner



टीएमयू के केवटी और इंजीनियरिंग के सीपी विभाग में आयोजित कटी अवसर हुए।  
**फेयरवेल पार्टी में चार को मिला खिताब**  
 चार छात्रों को फेयरवेल पार्टी में खिताब मिला।



## टीएमयू स्टूडेंट्स ने समझी सैटेलाइट अर्थ स्टेशन की वर्किंग

वीएएसआई के 100 से अधिक छात्र-छात्राओं ने कोएमएनएल के सीपी प्रमुख संस्थान-स्टुडेंट्स सेक्टर सेलेब्रिटी ट्रेनिंग सेंटर, एम्बेडिड सिस्टम, एम्बेडिड सिस्टम की विधि।



टीएमयू के छात्रों को कोएमएनएल के सीपी प्रमुख संस्थान-स्टुडेंट्स सेक्टर सेलेब्रिटी ट्रेनिंग सेंटर, एम्बेडिड सिस्टम, एम्बेडिड सिस्टम की विधि।




Accredited with NAAC A Grade  
12-B Status from UGC

### Congratulations!

the bright stars of **CCSIT, TMU** on pursuing their further studies in **Foreign Universities-2022**



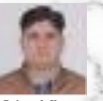

 <b>Chhavi Vishnoi</b> BCA Kent State University, USA MS in Computer Science	 <b>Malkeet Singh</b> BCA Newcastle University, UK MS Business Mgmt & Humanities	 <b>Shah Keyur</b> BCA Illinois State University, Illinois MS information Systems
 <b>Diksha Sharma</b> B.Tech. CSE (IBM) California State University, USA MS Engineering Management	 <b>Benit Thomas</b> B.Tech. CSE (IBM) Northeastern University, Huntington MS Engineering Management	 <b>Himanshi Singh</b> B.Sc.(Hons.)CS University of Wroclaw, Poland M.Tech in Software Engineering

**COLLEGE OF COMPUTING SCIENCES & INFORMATION TECHNOLOGY**



Accredited with NAAC A Grade  
12-B Status from UGC

### Faculty of Engineering PROUD ACHIEVERS

 <b>Madhav Sirohi</b> B.Sc.(Hons.) Physics Master's Program in Physics of Sorbonne University, University of Paris Cité, Paris, France. Performed Computational Oceanography research at prestigious ICTS, TIFR Bengaluru.	 <b>Vastvika Pal</b> B.Sc.(H.) Maths Auditor -CAG Govt. of India	 <b>Ashok Kumar</b> B.Sc. (H.) Physics TGT science in DSSSB (Delhi)	 <b>Ishika Saini</b> B.Sc.(H.) Maths PO in State Bank of India
 <b>Rajneesh Kumar</b> B.Sc.(H.) Physics Train Manager Indian Railway	 <b>Kapil Pal</b> B.Sc.(H.) Physics M.Tech. program Wipro Tech.	 <b>Ozsvi</b> B.Sc.(H.) Maths INFOSYS	

**Teerthanker Mahaveer University, Delhi Road, Moradabad**

College of Computing Sciences & IT

**ACHIEVERS PROUD** **BCA COMPUTER PROGRAM**

<b>33</b> Lakh Package (per Year) <b>SIDDHANT GUPTA</b> BCA Senior Software Engineer ICM Group	<b>27</b> Lakh Package (per Year) <b>AMAN SAXENA</b> BCA Staff specialist product developer EMC Software	<b>14</b> Lakh Package (per Year) <b>NAMAN GUPTA</b> BCA Assistant System Engineer Tata Consultancy services	<b>10.5</b> Lakh Package (per Year) <b>AVRISH YADAV</b> BCA Software Engineer Tata Consultancy services	<b>10</b> Lakh Package (per Year) <b>DISHAN VERMA</b> BCA Software Engineer Tata Consultancy services	<b>7.6</b> Lakh Package (per Year) <b>ABHIR SAXSEDE</b> BCA Software Engineer Tata Consultancy services
<b>7</b> Lakh Package (per Year) <b>JANVI AGAR</b> BCA Software Engineer Tata Consultancy services	<b>7</b> Lakh Package (per Year) <b>SEEMAN SINGH</b> BCA Software Engineer Tata Consultancy services	<b>6</b> Lakh Package (per Year) <b>SHALVI SHARMA</b> BCA Software Engineer Tata Consultancy services			

Faculty of Engineering

**ACHIEVERS PROUD** **B.Tech ENGINEERING PROGRAM**

<b>84</b> Lakh Package (per Year) <b>SHUBHAM JAIN</b> B.Tech Mechanical Assistant Project Manager Pillar PMS, Bangalore	<b>69</b> Lakh Package (per Year) <b>RAJEEV MISHRA</b> B.Tech ICE ASSOCIATE CONSULTANT SHRUTI PCL, Gurgaon	<b>60</b> Lakh Package (per Year) <b>SHUBHAM JAIN</b> B.Tech ICE Assistant Project Manager Pillar PMS, Bangalore	<b>59</b> Lakh Package (per Year) <b>PENKUL SHARMA</b> B.Tech ICE Assistant Project Manager Pillar PMS, Bangalore	<b>56</b> Lakh Package (per Year) <b>NEHA SHARMA</b> B.Tech ICE Assistant Project Manager Pillar PMS, Bangalore	<b>55</b> Lakh Package (per Year) <b>ANSHU BHATTARAI</b> B.Tech ICE Assistant Project Manager Pillar PMS, Bangalore	<b>50</b> Lakh Package (per Year) <b>PRANAV BHATTARAI</b> B.Tech ICE Assistant Project Manager Pillar PMS, Bangalore
<b>35</b> Lakh Package (per Year) <b>ANAND KISHOR SHARMA</b> B.Tech ICE Assistant Project Manager Pillar PMS, Bangalore	<b>26</b> Lakh Package (per Year) <b>SHUBH ANAND</b> B.Tech ICE Assistant Project Manager Pillar PMS, Bangalore	<b>24</b> Lakh Package (per Year) <b>JAYANT KUMAR</b> B.Tech ICE Assistant Project Manager Pillar PMS, Bangalore	<b>21</b> Lakh Package (per Year) <b>SHUBH ANAND</b> B.Tech ICE Assistant Project Manager Pillar PMS, Bangalore	<b>18</b> Lakh Package (per Year) <b>ANSHU BHATTARAI</b> B.Tech ICE Assistant Project Manager Pillar PMS, Bangalore		

Faculty of Engineering

**PROUD ACHIEVERS** **DIPLOMA ENGINEERING PROGRAM**

<b>19.50</b> Lakh Package (per Year) <b>ARPIT KUMAR</b> Diploma in CSE Associate Vice President Incedo inc.	<b>16</b> Lakh Package (per Year) <b>AYUSH VERMA</b> Electronics Associate Project Manager Oberoi School	<b>6</b> Lakh Package (per Year) <b>TARUN VASHISHTHA</b> Electronics Project Development Engineer Blue-Asia-Projects Ltd.	<b>5</b> Lakh Package (per Year) <b>SHUBH ANAND</b> B.Tech ICE Assistant Project Manager Pillar PMS, Bangalore	<b>4</b> Lakh Package (per Year) <b>SHUBH ANAND</b> B.Tech ICE Assistant Project Manager Pillar PMS, Bangalore	<b>3</b> Lakh Package (per Year) <b>SHUBH ANAND</b> B.Tech ICE Assistant Project Manager Pillar PMS, Bangalore
<b>2</b> Lakh Package (per Year) <b>SHUBH ANAND</b> B.Tech ICE Assistant Project Manager Pillar PMS, Bangalore	<b>1</b> Lakh Package (per Year) <b>SHUBH ANAND</b> B.Tech ICE Assistant Project Manager Pillar PMS, Bangalore				





Accredited with NAAC A Grade  
12-B Status from UGC

COLLEGE OF COMPUTING SCIENCES & IT

# ACHIEVERS PROUD

## B.SC. ANIMATION PROGRAMME



**4.5** LAKH Package (per Year)

**SHASHI RANJAN**  
UI UX DESIGNER  
Heka Healthy you



**4.2** LAKH Package (per Year)

**ADITYA AGARWAL**  
UI UX DESIGNER  
Throttll pvt ltd.



**4.0** LAKH Package (per Year)

**KHUSHI AGARWAL**  
Graphic designer & video editor  
Core asana Private Limited



**3.9** LAKH Package (per Year)

**APOORV MITTAL**  
Faculty  
MAAC



**3.0** LAKH Package (per Year)

**ROSHAN NARENDRA**  
Studio Arunisha  
3D Artist



**3.0** LAKH Package (per Year)

**SUNIDHI RASTOGI**  
Graphic designer  
Studio Arunisha



**3.0** LAKH Package (per Year)

**ANKIT KR SINGH**  
Motion Graphic Artist & Graphic Designer  
Rishiraj Media



**3.0** LAKH Package (per Year)

**ANIMESH**  
Video Editor  
Essence Studios



**1.8** LAKH Package (per Year)

**SAHIL ABBAS NAQVI**  
Video Editor  
Flash Me Photo Studio



Accredited with NAAC A Grade  
12-B Status from UGC

## Faculty of Engineering PROUD ACHIEVERS



**Madhav Sirohi**  
B.Sc.(Hons.) Physics

Master's Program in Physics at Sorbonne University, University of Paris Cité, Paris, France.

*Performed Computational Oceanography research at prestigious ICTS, TIFR Bengaluru.*



**Vastvikta Pal**  
B.Sc.(H.) Maths

**Auditor -CAG Govt. of India**



**Ashok Kumar**  
B.Sc.(H.) Physics

**TGT science in DSSSB (Delhi)**



**Ishika Saini**  
B.Sc.(H.) Maths

**PO in State Bank of India**



**Rajneesh Kumar**  
B.Sc.(H.) Physics

**Train Manager Indian Railway**



**Kapil Pal**  
B.Sc.(H.) Physics

**M.Tech. program Wipro Tech.**



**Ozasvi**  
B.Sc.(H.) Maths

**INFOSYS**

*Teerthanker Mahaveer University, Delhi Road, Moradabad*

Chief Editor- Prof. R.K Dwivedi (Director & Principal, FOECS, TMU)

Designer- Ankur Chaudhary