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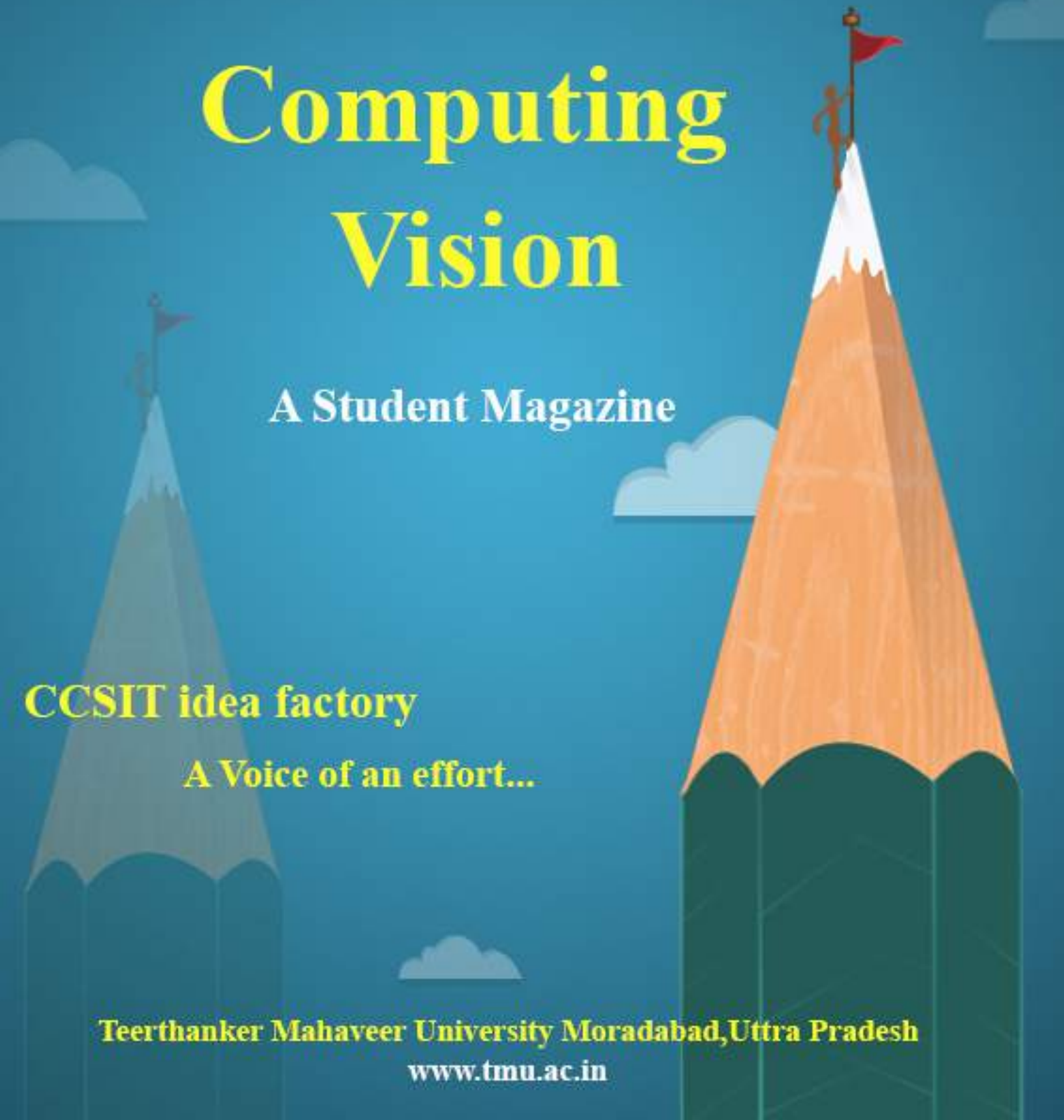
Computing Vision

A Student Magazine



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A Voice of an effort...

Teerthanker Mahaveer University Moradabad,Uttra Pradesh

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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.

VISION

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

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

Shri Suresh Jain

Hon'ble Chancellor

It is heart pleasing to witness that the potential of our students has been getting unfolded at various stages and situations each day and with each passing day students of Faculty of Engineering & Computing Sciences are achieving flying colors in all notable fields . Trying and testing times throughout the hectic semester system have elicited our students to put forth their best. Prof.R.K.Dwivedi, Director & Pricipal FoECS and his team have been supportive of the various activities that are undertaken by the students in consideration of helping them touch the zenith of perfection and professionalism in whatever task they take on, hence strengthening our journey of achieving academic excellence .The college magazine Computing Vision exemplifies the voyage of students' efforts and exhibits the literary skills of our students. It is a forum which has been aptly utilized for recording events and creative writing. Students, at FoECS, have been nurtured to be compassionate professionals in all the walks of the life and this is a matter of great pride that each outgoing batch of FoECS has been soaring greater heights in life

I take this opportunity to congratulate Prof.R.K.Dwivedi and his team of committed faculty and staff members for their pledge towards value based quality teaching and plenteous efforts put in to certify that each student is cared for at FoECS.

Shri Manish Jain

Respected Group Vice Chairman

"Inside all of us is a hidden dream." very well stated by a philosopher. Computing Vision, since its inception, has been a platform to unleash the hidden talents and to showcase ingenious abilities, veiled dreams and aspirations for writing. The magazine targets to bring out the latent talent in students by providing them a platform where they can exhibit their passions of writing articles, poems, quizzes and experiences. Bestowing abundant opportunities in engineering education is one of the most ultimate obligations we owe to our students since we are driven by the belief that every student deserves a high quality education. Computing Vision shoulders the responsibility of proffering an intersection of great trial and great opportunity for the students to evaluate their efforts and to analyse their achievements on the ground of research and development. I congratulate the team Computing vision effectually headed by Prof.R.K.Dwivedi, Director & Principal, Faculty of Engineering & Computing Sciences for their unwavering efforts that have come to fruition in the form of this magazine. Subsequent to numerous achievements of the institute this is yet another mile stone in their curricular and co-curricular activities. I wish it all success and anticipate that this tradition that has been set will be carried through by the college for many more years to come. Enjoy the Gems of Computing Vision! Happy Reading!

Prof. Raghuvir Singh

Respected Vice Chancellor

Faculty of Engineering & Computing Sciences, since the year of its establishment, kindles the imagination of learners since it strongly advocates that the mind is not a vessel to be filled, but a fire to be kindled. As in the era of globalization, quality education and stellar accomplishments expand the frontiers of knowledge and scholarship with every single day . Having realized that there is no single yardstick of quality, FoECS endeavours unceasingly for sustenance and enhancement of quality in every field of its activity. I congratulate Prof.R.K.Dwivedi,Director & Principal FoECS and his team who are leaving no stone unturned in achieving academic excellence. As FoECS works diligently to apprehend its mission of providing the best learning, teaching and research opportunities to students and academicians alike, it lingers to bestow students with the basics of modern knowledge and high values. I appreciate every student who shared the joy of participation in co-curricular and extracurricular activities accompanied by their commitment to curriculum. Computing Vision has always been an admirable forum for bringing into light the various activities carried out at Faculty of Engineering & Computing Sciences. Since 2015, the magazine has a glorious journey of serving to the academic fraternity to its credit. Best wishes to Team Computing Vision for their endeavor of bringing out the issues of magazine on time. Certainly, this creative endeavor has been introducing an array of artistic and scientific expressions. Undoubtedly it is praise worthy that the team is really working so laboriously to bring out each issue of the magazine on time without any fail.
Kudos!

Prof. R.K Dwivedi

Respected Director & Principal,FOCS

It gives me great pleasure to extend my warm greetings to our editorial and design team to initiate the 6th volume of Computing Vision. Computing vision is packed with many webinar sessions covering the latest developments and future plans for technological advancement as well as topics including robotics, machine learning, 5G, and data science.
Highlights includes:-Blessings from Hon'ble Chancellor, respected Group Vice Chairman and Vice Chancellor. Informative sessions from brilliant minds at National and International level. Faculty of Engineering and Computing Sciences Teerthanker Mahaveer University Moradabad is moving forward to create an ecosystem of Artificial Intelligence, Machine Learning & Deep Learning. For this, institute has organized multiple training sessions with NVIDIA DLI training, which includes certifications.
I congratulate the teams for winning the SIH-2020(Software Edition). In continuation, the success of IIC is also one of the finest achievements of the institution.

Role of Communication Skills in Academics & Professional Success

Dated-1 October 2020
Keynote Speaker -Prof.Manoj Kumar,Dean Faculty of Management Studies,Maharashi Dayanand University,Ajmer,Rajasthan

Webinar Convener- Ms.Neha Anand, Assistant Professor, Department of Humanities
Technical Coordintaors- Dr.Gulista Khan,Assistant Professor, Department of Computer Science & Engineering & Naman Gupta,Student,BCA,CCSIT,TMU

Effective communication is vital for any individual be it personal or professional life. There is no area of life where the aforesaid is not needed. Effective communication skills not only support to share ideas with others but they also foster good relationships. Be it is verbal or nonverbal communication, both own equal importance. Consequently, keeping in mind the relevance of communication skills in student's life, Faculty of Engineering & Computing Sciences organized a National Webinar on Role of Communication Skills in Academics & Professional Success. Prof.Manoj Kumar, Dean Faculty of Management Studies,Maharashi Dayanand University,Ajmer,Rajasthan graced the webinar as keynote speaker. Prof.Manoj owns the teaching experience of 34 years. He has his doctorate degree from Kurushetra University. He has the credit of completing his training from IMS Ahmedabad. Prof.Kumar elaborated on the importance of Communication skills on both academic and professional ground. For the success of a student's future career, communication skills are indispensable and of high demand. There is a huge demand for communication skills in today's competitive world of globalization and digitalization and it is considered as the most sought-after quality of an educated person. At all levels of education, students must be able to communicate effectively and confidently. Without well-developed communication skills, children run the risk of falling behind their peers or becoming emotionally overwhelmed or withdrawn at school. Academic success depends on solid communication skills, beginning with clear oral communication. Students are often called upon in class to answer questions. These questions may range from those with simple factual answers to questions that involve putting thoughts together and making arguments. Answers to questions need to be communicated effectively so teachers can assess a student's knowledge. Students with oral challenges may also become embarrassed if they are unable to communicate on par with their peers. Communication is a most important skill. Communication skills are not only needed in daily personal life, but also required in the profession, workplace and in business. You can't be successful without great communication skills in professional life or in business. Prof. Kumar gave many real life examples to illustrate his points. He gave valuable tips to be effective communicator. He explained how an individual can be successful in life.

Towards the closure of the webinar, participants asked questions to the keynote speaker. Prof. Kumar handled the questions very effectively and gave satisfactory answers.

The webinar was highly appreciated by all. Anchoring was done by Ms.Neha Anand,convener of the webinar and vote of thanks was proposed by Dr.Gulista Khan, technical coordinator.

Prof.Manoj Kumar,Dean Faculty of Management Studies,Maharashi Dayanand University,Ajmer,Rajasthan

KHOJ-11 Mega Quiz Contest 2020

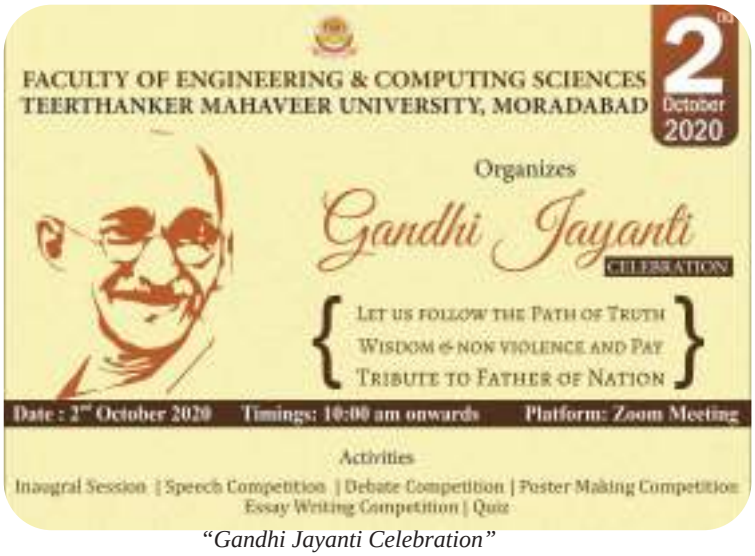
Under the banner of College of Computing Sciences and Information Technology, TMU, Techno Club Organized by Ajay Chakravarty, Vineet Saxena, technical mega quiz contest "KHOJ (11) 2020" for the session of 2020-2021. This particular event was totally online based and 350 students participated. The summery of the quiz is as follows.

S.No	Event Date	Event Name	Key Resource Person (If Applicable)	Participants Profile	Total Participants
1	02-10-2020	Mega Quiz Contest KHOJ 2020 Round 1	Name- Prof. R.K. Dwivedi Director FOECS TMU	Participant was belongs to following course: • B. Tech • MCA & MCA L • BCA & B. Sc. CS • BCA + MCA	350
2	21-10-2020 21-10-2020	Mega Quiz KHOJ-11-2020 Round 2 Junior Level and Senior Level	N/A	Participant was belongs to following course: • B. Tech • MCA & MCA L • BCA & B. Sc. CS • BCA + MCA	Junior Level:- 20 (10 Teams) Senior Level:- 16 (8 Teams)
3	04-11-2020	Mega Quiz KHOJ-11 2020 Round 3 Junior Level and Senior Level	Name- Prof. R.K. Dwivedi Director FOECS TMU	Participant was belongs to following course: • B. Tech • BSC(H)CS • BCA • BCA+MCA	Junior Level:- 4 (2 Teams) Senior Level:- 6 (3 Teams)

Our Director Sir, Prof. R. K. Dwivedi, given best wishes to all the participant and winners and says learning is the endless process of getting perfection.
Our Head of Dept. Dr. Ashendra Kumar Saxena explain about the journey of KHOJ and vote of thanks to all.
Winner was as follow
Junior Level: - Mohd Ayan & Mohd Suhail (B.Tech IBM 3rd Sem)
Runner Up: - Gurmeet Gill & Mohd Aqib Usmani (BCA AND B.SC (H) CS 3rd Sem)
Senior Level: - Sanyam Jain & Mihir Jain (B.Tech CS 7th & 5th Sem)
Runner Up: - Ishu and Anubhuti Singh from (B.tech CS 5th Sem) & Vidhi
Arya, Sakshi From (B.SC (H) CS 5th SEM are the combine Runner Up

KHOJ-11 Mega Quiz Contest 2020

Report on "Gandhi Jayanti Celebration"
Date: October 06, 2020



"Gandhi Jayanti Celebration"

Faculty of Engineering and Computing Sciences (FOECS), Teerthanker Mahaveer University, Moradabad celebrated "Gandhi Jayanti" by organizing various online competitions like speech, debate, poster-making, essay-writing and quiz competitions on the occasion of the birth anniversary of Mohandas Karamchand Gandhi, also known as Bapu or Mahatma Gandhi. The "Gandhi Jayanti Celebration" was inaugurated by Prof. Raghuveer Singh, Honourable Vice Chancellor of Teerthanker Mahaveer University, Moradabad and Prof. Rakesh Kumar Dwivedi, Director and Principal of FOECS in the presence of Event Coordinator and HOD-Dr. Ashendra Kumar Saxena, Proctor of the College-Dr. Shambhu Bhardwaj, Organizing Committee members- Dr. Sandeep Verma, Ms. Neha Anand, Dr. Sonia Jayant, Dr. Zareen Farooq, Dr. Megha Sharma, Mrs. Inderjit Jheetay, Ms. Indu Tripathi, Mr. Ajay Chakraborty, all Programme Coordinators, Faculty Members, Staff Members and all the participating students.

Prof. Rakesh Kumar Dwivedi, Director & Principal, FOECS, in his welcome address, said that "Gandhi Jayanti" for India is a grand memory of Mahatma Gandhi who honours a great personality like Mahatma Gandhi. Prayer services and tribute ceremonies are organized all over the country on the occasion of this patriotic celebration. Competitions of painting, essay etc. are also organized in educational institutions along with various cultural programs. In addition, prizes for such competitions are distributed. Students also watch documentaries and exhibitions etc. on the life of Mahatma Gandhi. Consequently, the youth like him and learn the art of living in a peaceful way while walking on the path of truth and non-violence. This is an opportunity to reflect and cherish the life of this great personality. To celebrate his Jayanti various online competitions such as speech competition, debate competition, poster-making competition, essay-writing competition and quiz competition were organized in the Faculty of Engineering and Computing Sciences-FOECS. He said that Mahatma Gandhi was certainly the most prominent figure in the Indian freedom struggle for which he was awarded the title of "Father of the Nation". This was due to his persistent efforts for India's independence. He led the Dandi March. He started the Quit India Movement. Mahatma Gandhi's efforts were not limited to Indian independence alone. He also fought many social evils like untouchability and casteism etc. He was instrumental in ending the centuries-old practice of untouchability. In addition, he also made significant efforts to help the poor and the needy. Prof. Dwivedi said that Mahatma Gandhi was a priest of truth and non-violence. Gandhiji believed that truth empowers a person while falsehood

weakens the person from within. In the present context, this principle of truth for oneself and the world is essential for students to excel in future life. 'Ahimsa' was a great weapon used by him during the independence movement of India against the British Raj. Generally, people say that non-violence is a weapon of the weak but in fact non-violence and tolerance requires courage and patience on a large scale. The world revolving around the war footsteps by the naked dance of violence and death of common people due to the threat of terrorism, today requires a more Gandhian idea of non-violence than in previous days. Gandhiji respected all religions. Gandhi's secular ideology is not only in the Indian Constitution, but also as a core value system in Indian society. This is why people of so many religions co-exist in India. Gandhiji was against the caste system. Gandhiji's philosophy of life and his theory of socialism are very useful today in which there is no poor, no hungry, no unemployed and education and health for all. Respect for women is one of the key ideas of Gandhi's philosophy. Today, the world is witnessing increased levels of violence which women are facing today. It is witnessing the deterioration of human values. The Gandhian dream of a safe country is the need of protection for women and will come from the virtue of self-control. Self-control, punctuality, honesty, in a materialistic world driven by a desire to achieve maximum, where social and human values have fallen to such an extent that people do not hesitate to kill anyone to fulfill their needs. Gandhian qualities such as truth, non-violence, sense of duty and sense of coexistence are greatly needed. Gandhiji laid great emphasis on cleanliness. 'Swachhata hi Seva' was his principle. Gandhiji insisted on the internal hygiene of a person more than external hygiene. Thus, along with physical hygiene of the person and clean roads, there is a need for a corruption-free society for a clean India. India's biggest Clean India campaign is to fulfill Bapu's dream of making India clean. He called upon all students to learn the art of living in a peaceful way, taking education from the philosophy of life of Mahatma Gandhi and following them on the path of truth and non-violence. He expressed his heartfelt gratitude to all the Activity Coordinators and members of the Organizing Committee, giving heartfelt greetings and congratulations to all the participants including the winners of all the competitions.

Honourable Vice Chancellor-Prof. Raghuveer Singh said in his brief address that 02nd October is a great day for India. This day is also celebrated as "World Non-Violence Day" to honour the true spirit of non-violence propagated by Gandhiji throughout the world. Mahatma Gandhi studied law and advocated for the civil rights of Indians in India and South Africa during the British rule. Gandhiji believed strongly in the philosophy of non-violence. Consequently, he peacefully opposed British rule. Also, Gandhi's peaceful protests and agitations were highly effective. His methods and plans were very efficient. We all respect his non-violent contribution to the Indian independence movement. Due to his incredible effectiveness, Gandhi became an inspiration to other world leaders. Gandhiji was also conferred with the title Mahatma i.e., a great soul. The United Nations General Assembly declared October 2, his birthday, as "International Nonviolence Day". He appreciated the efforts of Director and Principal of FOECS, Prof. Rakesh Kumar Dwivedi and his team for organising such a wonderful event and wished all the participants his hearty greetings and congratulations on Gandhi Jayanti.

1. Speech Competition:
Topic: 'Relevance of Gandhian Philosophy in the 21st Century'
Coordinators: Dr. Sandeep Verma and Ms. Neha Anand
Jury: Mohammad Arish (Northumbia University, Newcastle upon Tyne) and Mr. Apres Willis (Invertis University Bareilly)
First place: Diya Sharma (B. Sc. Hons-Computer Science - 3rd year)
Second place: Danish Mohammed (BCA-CTIS-Second Year)
Third place: Aliza Parvez (BCA - First Year)
Third place: Soumya Singh (B. Sc. Hons- Physics-3rd year)

2. Debate competition:
Topic: "Are Gandhi's teachings relevant to the challenges of modern India?"
Coordinators: Dr. Sonia Jayant and Dr. Zareen Farooq

Speech Competition

Jury: Mrs. Sunita Bhatnagar (Principal, Boney Annie Public School, Moradabad) and Dr. Shakti Kundu (Program Coordinator BCA)

In favor of the topic:
First place: Aman Jain (B.Tech.- CS - 4th year)
Second Place: Khushi Agarwal (BCA - Second Year)
Third place: Raina Khan (BCA - Second Year)

In opposition to the topic:
First place: Danish Mohammed (BCA - Second Year)
Second Place: Anshika Bahukhandi (B. Sc. Hons -CS - First Year)
Third Place: Ruchi Singh (B.Sc. Hons -CS - Third Year)

3. Poster Making Competition:
Theme: poster making on Gandhiji or Subhash Chandra Bose ji or Dr. APJ Abdul Kalam ji
Coordinator: Dr. Megha Sharma
Jury Board: Mr. Jyoti Ranjan Labh (Assistant Professor and Coordinator Animation Department) and Ms. Shikha Gambhir (Assistant Professor, Animation Department)
First place: Tanishq (BBA I. Nurture - First Year)
Second place: Anshika Jain (BBA I. Nurture - First Year)
Third place: Namira Meraj (B.Tech.-CS - 3rd year)

4. Essay Writing Competition:
Subject: 'Mahatma Gandhi and his ideas of global peace'
Coordinator: Mrs. Inderjit Jheetay
Jury: Dr. Garima Goswami (Program Coordinator Electrical Engineering), Dr. Aseem Ahmed (Department of Chemistry) and Mrs. Inderjit Jheetay
First Place: Neeshu (B.Sc.-3rd Semester)
Second place: Aditya Chauhan (B.Tech.- CS - First semester)
Third place: Suruchi Yadav (BSc - Chemistry third semester)

5. Quiz Competition:
Coordinator: Ms. Indu Tripathi
Theme: The questions in the quiz were based on Gandhiji's life, his philosophy, teachings and mission related to Gandhi Jayanti. The quiz was successfully conducted through Google Form in a total of four categories.

B. Sc. (Hons) / B. Sc. (All Branches):
First Place: Nitya (B.Sc. - Chemistry - Second Year)
Second place: Suruchi Yadav (B.Sc. - Chemistry - Second Year)
Third place: Himanshu Singh (B.Sc. - Mathematics - Second Year)

B.Tech. (All Branches):
First place: Prashant Pandit (B.Tech. - Electrical - 4th year) and Sudarshan Jha (B.Tech. - Computer Science - 4th year)
Second place: Aditya Kumar Singh (B.Tech. - Civil - 4th year) and Sarthak Jain (B.Tech. - Computer Science - 4th year)
Third place: Rahul Jain (B.Tech.- Electrical - 3rd year) and Mayank Singh (B.Tech.- AI + ML + DL - 2nd year)

BCA:
First Place: Ritu Raj (BCA - Third Year)
Second place: Ameen Fahim (BCA I. Nurture - CTIS - Third Year)
Third place: Akshat Chauhan (BCA - Third Year)

MCA:
First Place: Shivangi Tripathi (MCA - First Year) At the end of the program, Ms. Neha Anand extended the Vote of Thanks. The program was anchored well by Ms. Neha Anand.

Report Prepared by:
Dr. Sandeep Verma
Associate Professor of English and Media Coordinator
Faculty of Engineering and Computing Sciences, T.M.U., Moradabad

Date: 11th October, 2020
Faculty Development Programme on "Android Development with Kotlin (ADK) - Train the Trainer" by Google in collaboration with TMU

Six days faculty development programme on "Android Development with Kotlin (ADK)" was organized by Faculty of Engineering & Computing Sciences (FOECS), Teerthanker Mahaveeer University, Moradabad, UP, India in collaboration with Google on October 05-10, 2020. For the up gradation and skill enhancement of faculties, FOE&CS organized 6-days Faculty Development Programme in which collaborative partner Google, India provide training on "Android Development with Kotlin (ADK)" as per our Memorandum of Understanding. In this FDP, 38 faculties participated based on their skills and expertise area. The FDP was coordinated by Dr. Shakti Kundu / Associate Professor, FOECS under the guidance of Prof. (Dr.) R. K. Dwivedi / Director & Principal, FOECS.
The eminent corporate trainer from Google, Ms. Shaileen Kaur Sehgal, having vast experience as application developer with a demonstrated history of working in the technical and education manage-

ment industry delivered technical talk during 6 days of FDP. She is skilled in Azure, Python, Django, React, Node and Mobile Application Development. She is a certified instructor in technologies such as Android, Microsoft and CEH. She has delivered training to some major clients like Dell, Honeywell, DHL, STO Maldives, VMware and Google.

The eminent speaker from Google discussed the various technical aspects of Android Development with Kotlin (ADK) during 6 days FDP such as: Android Development with Kotlin, Kotlin Basics, Functions, Classes and Objects, Build your first Android App, Layout, App Navigation, Activity and Fragment Lifecycles, App architecture (UI Layer), App architecture (persistence), Advanced Recycler View use cases, Connect to the internet, Repository pattern and Work Manager, App UI Design.

The FDP was coordinated by Dr. Shakti Kundu / Associate Professor, FOECS under the guidance of Prof. (Dr.) R. K. Dwivedi / Director & Principal, FOECS. Prof. Dwivedi highlighted the importance of android programming with combination of Kotlin. He expressed that Kotlin is a modern statically typed programming language that will boost your productivity and increase the developer happiness. Kotlin's modern language features allow you to focus on expressing your ideas and write less boiler-plate code. Less code written also means less code to test and maintain. He advised faculty members to be honest, sincere and have positive dedication for the successful learning and implementation. He further suggested faculties in converting their energy cum active approach into positive directions for their skill based activities. He further motivated faculties to be positive during pandemic scenario and try to remain cool, patient and full on active in their day-to-day activities. At last, Prof. Dwivedi ji gave warm blessings and best wishes to the FDP coordinator for the successful event.

Dr. Shakti Kundu
FDP Coordinator

Android Development with Kotlin (ADK) - Train the Trainer" by Google in collaboration with TMU

International Webinar on Mysterious relationship of the Earth and the Sun Dated- 5th October, 2020

Keynote Speaker- Dr. Rohit Sharma, Postdoctoral fellow in University of Applied science, Switzerland

Webinar Convener- Dr. Vishnu Prasad Shrivastava, Department of Physics, FOE&CS, TMU.

Webinar Secretary- Dr. Diptonil Banerjee, Department of Physics, FOE&CS, TMU.

Organizing Committee- Dr. Amit Kumar (HOD), Prof. S. P. Pandey, Dr. Ajay Upadhyay, Dr. Parag Agarwal and Dr. Pavan Kumar Singh.

Department of Physics, faculty of Engineering and Computing Sciences, TMU organized an international webinar on "Mysterious relationship of the Earth and the Sun" on 5th OCT, 2020. The key note speaker for this webinar was Dr. Rohit Sharma. Dr. Rohit Sharma is a Postdoctoral fellow in University of Applied sciences in Switzerland. His area of expertise is in "solar flares", which is an explosive event on the Sun. The event was started with welcome note to our distinguished speaker by Principal, FOECS, Prof. & Dr. R.K. Dwivedi. He also gave glimpse of various events related to subject.

Dr. Rohit Sharma thoroughly explained various phenomenons occurring in the Sun and its impacts on earth. The speaker discussed the structure of the sun. The speaker has talked about origin of solar flares, Coronal mass ejection on heating issue. On coronal heating speaker discussed the ongoing current model of nanoflares and Alfven wave's hypothesis. The speaker highlighted the connection of the earth and the sun through magnetic fields and focus towards the need of understanding of space weather for safer earth. The speaker ended his topic by discussing the future sun mission of India and abroad and also emphasised on the requirement of young people participation in science.

At the end of the webinar, participants asked questions to the speaker. Dr. Sharma handled the questions very effectively and gave satisfactory answers.

The webinar was highly appreciated by all. Anchoring was done by Ms. Bhavya Khanna, theme of talk was explained by Dr. Diptonil, secretary and vote of thanks was given by Dr. Vishnu Prasad Shrivastava, Convener.

The total 257 participants registered for the webinar and 152 participants attended the webinar.

Report on Induction Program 2020

OBJECTIVE: To understand the "Trends opportunity and Future of IT Industry".

TARGET AUDIENCE: Engineering First year Students.

DATE AND VENUE: 5-October-2020/ Online (Google Meet)

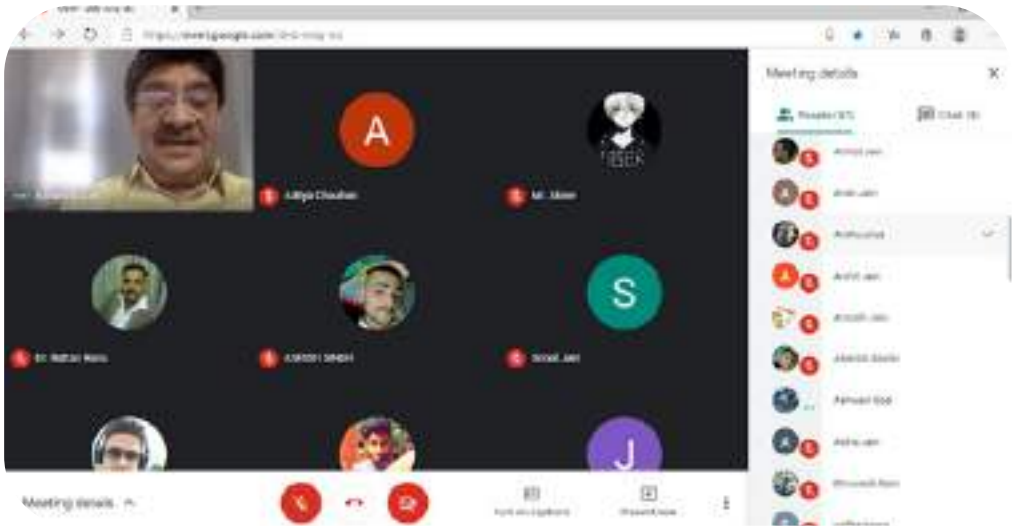
INTRODUCATION:- A technical Session on "Trends opportunity and Future of IT Industry" was organized by the I-Nurture in association with FOE&CS,TMU Moradabad. The theme of technical session was created to understand innovation and opportunity in the IT industry. The program was hosted by Mr. Vinay Pant, Senior Faculty, I- Nurture. He welcome to Prof. R. k. Dwivedi, Director, FOE&CS, Teerthanker Mahaveer University, Dr. Rattan Rana, Senior Mentor, iNurture Education Solution, Mrs. Anu Sharma, Programme Co-ordinator iNurture, TMU and Mr. Ashwani Goel, Founder & CEO, Interco's Software Lab, Jaipur, Rajasthan as keynote speakers of the technical Session.

Mr. Ashwani Goel, industry keynote speaker discussed in detail about current scenario of IT industry. He has given brief overview about AI, IOT, Mobile Application and Block chain. Mr. Ashwani Goel discussed various new technology touch points, difference between Cloud & IOT and other emerging technologies. He also given the overview of various job opportunities in the field of AI, Cloud, Mobile and IOT.

After completing the session participants raised questions and keynote speaker give the answers of all their queries. In the end Dr. Rattan Rana thanked to all the keynote speakers for their valuable knowledge shearing with participants and also thanked to all the participants for their patience.

OUTCOMES OF SESSION:- The session was very informative for all participants. After completing session all participants were able to know how to used various new technology in IT industry. Participants also able to understand various job opportunities in the AI, Data Science, Mobile application and IOT filed. Participants aware about how they prepare them self for coming new age of technology.

Mr. Ashwani Goel,



Trends opportunity and Future of IT Industry

IIC of CCSIT on the date of 6th October 2020 with support of their student members has organized Inaugural ceremony of Boot camp 1.O (Iron hack reactor) on online platform. The chief guest was Prof. (Dr.) Rakesh kumar dwivedi (Director FOECS) and Ms. Rashmi jain was as a guest of honor.

Dr. R.k. Dwivedi(Director FOECS) graced the occasion with his valuable words and told the participants that Technology plays a vital role in this pandemic because physical activities are avoided. Boot camp is the basic platform to create dynamics, to generate ideas, to enhance creativity among students participated in the boot camp. Students should have used their imagination and creativity and transfer ideas in the form of application. Creators should not hesitate to take help from the people to express their ideas.

Mrs. Rashmi Jain also shared the idea about project management. At this moment she told that science is not completed until we can't add the innovative and creative factor. Dr. Pankaj Goswami (Asst. Professor) had shared the idea about camping. He said that camping is nothing but the networking i.e. one specific task that is helping each other.

Mr. Pradeep kumar verma (Asst. Professor) Mr. Asish Bishnoi (Asst. Professor & Convener IIC-CCSIT), Mr.Rajendra pandey (Project co-coordinator) and Mr.Navneet Vishnoi (Exam Cell Head –CCSIT) and other faculty member were also present there and blessed the students for their bright future. Organizing team member Mr. Pushpane singh choudhary and Mr. Himanshu Jain had shown some projects created using different types of software like blender, android etc. to encourage the participants.

Participants of the event asked their queries or doubts related to the boot camp 1.0 which was effectively handled by Mr. Arjav jain, Mr. Varnit Jindal and all of the members of organizing committee.

Iron hack reactor

Prof. (Dr.) Rakesh kumar dwivedi (Director FOECS)

Ms. Rashmi jain

Report on Hands-on Workshop on Data Recovery and Security

OBJECTIVE: To understand the "Various tool used in data recovery and security".

TARGET AUDIENCE: B.Tech 5th Semester.

DATE AND VENUE: 8th October, 2020/ Online (Google Meet)

Prof. (Dr.) Rakesh kumar dwivedi (Director FOECS)

INTRODUCATION:-A hands on workshop on "Data Recovery and Security" was organized by the iNurture in association with FOE&CS, TMU Moradabad. The theme of workshop was to understand various tool used in data recovery and security. The program was hosted by Mr.PrafulSaxena, Senior Faculty, iNurture. He welcomed Prof. R. k. Dwivedi, Director, FOE&CS, TeerthankerMahaveer University, Dr.Rattan Rana, Senior Mentor, iNurture Education Solution, and Mr.Narinder Sharma, Industry expert form i-Nurture Education Solution Pvt. Ltd, Bangalore.

Prof. R.K. Dwivedi, said that workshops always help to improve hands on knowledge of students. He has shared his knowledge about data security. He has widely discussed about network security & service requirement, massive security breaches, attacks and data recovery. He told this kind of workshops are very helpful to acquire knowledge.

Mr.Narinder Sharama, industry expert form i-Nurture Education Solution Pvt. Ltd, Bangaloreaddressing the student session on latest data recovery methods and tools used in IT industry. He briefly described mostly involves data recovery from internal or external storage media such as USB drives, hard disk drives (HDD), solid-state drives (SSD), CDs, DVDs, floppy disks, memory cards, magnetic tapes, and other data storage devices. Data recovery software help in the effective repair and recovery of files, storage media, databases and corrupt partitions. He has discussed about Ghost backup method, RAID configuration for Data replication. He has given brief introduction of data Recovery methods. He has provided hands on in various tools such as Symantec ghost boot CD and Ease us data recovery wizard.

Mrs.Anu Sharma, Mr.Vinay Pant and Mr.Sudhanshu Kumar were also joined the session.

Christmas Celebration

Soaking in the spirit of Christmas the students of B.Sc Animation celebrated the festival on 24thDecember. On this occasion the students gifted artwork related to the celebration, to ProfRakesh Kumar Dwivedi, Director and Principal FoE&CS. Dr R.K Dwivedi greeted the students and explained the significance of the festival. He also emphasized on the need to be safe in the ongoing pandemic and following the necessary guidelines. Mr. Jyoti Ranjan Labh , Dr Ashendra Saxena , Dr. R. C Tripathi and other faculty members also joined in the celebration.

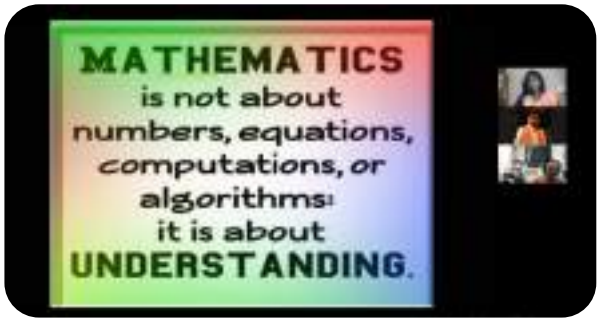
Department of Mathematics organized one day expert talk on "Fractal and its application" for new entrants on 9th October, 2020, 12th day of orientation program.

The aim of the program was to familiarize our new entrants with importance and application of Mathematics for their future career in the era of innovation and competition.

Ms. Neha Anand introduced the speaker, Prof. (Dr.) Rashmi Bhardwaj and invited her for her key note address on "Fractal and its application". Prof. Bhardwaj has 25 years experiences in teaching of Mathematics to Ph.D., Postgraduate and Graduate students. She has conducted many research projects at national and international levels and published 3 books and 160 research papers having higher citations with 2 patents in her 29 years experience of research. In recognition of her 'Outstanding Achievements in the Field of Mathematics, she has been awarded with numerous awards of national repute. She is a professor of Mathematics in University School of Basic & Applied Sciences, Gobind Singh Indraprastha University (GGSIPU), New Delhi. Prof. Bhardwaj started her talk with the definitions of Mathematics and areas to explore ourselves in Mathematics. Mainly, she explained the introduction to fractal geometry and its application in the simulation of nature during her talk.

Prof. R. K Dwivedi, Director & Principal of FOECS, (TMU) delivered his address in valedictory session. Prof Dwivedi showed his gratitude to the eminent speaker Prof. (Dr.) Rashmi Bhardwaj for her valuable talk. Prof. Dwivedi said that the purpose of this program is to provide an opportunity for everyone to know in detail about various aspects of Mathematics and its applications. He admired the efforts of department of Mathematics coordinated by Dr. Ajit Kumar (Associate Professor of Mathematics, HoD, Department of Mathematics, FOE&CS) for effective execution and dedicatedly handled.

Vote of thanks was proposed by Dr. Alok Kumar Gahlot(Associate Professor of Mathematics, Department of Mathematics, FOECS) by expressing gratitude towards the esteemed speaker of the program, respected director sir, organizing committee and the new students.



expert talk on "Fractal and its application"

CELEBRATION OF BIRTH ANNIVERSARY OF DR APJ ABDUL KALAM, 11th PRESIDENT OF INDI A

Chief guest and motivator--- -- Professor R.K. Dwivedi Principal & Director Program organizer & Anchoring--- Professor Asim Ahmad , Chemistry

Audience-Mr Vikram Raina, Director Placement, Dr Manish Dhingra, Mrs Sakshi Singh , Dr Sandeep Verma , Dr Ajay Upadhyay, Dr Gopal , Dr Shakti Kundu, Mr Rupal Gupta & distinguished faculty FOE&CS.

REPORT:- This was about 3.00PM on Thursday when Principal& Director , Professor R.K. Dwivedi , initiated the celebration of of birth day anniversary of His excellency Dr APJ Abdul Kalam .

All distinguished faculty members gathered in the Principal's office maintaining the social distancing due to Covid-19. Dr Asim Ahmad broke the silence and stated anchoring for this anniversary. Dr Asim stated the program addressing the most respected Principal & Director , Professor R.K. Dwivedi ,Mr Vikram Raina and distinguished faculty and gave a brief of Dr APJ Abdul Kalam . He told that Dr Kalam was born in Rameshwaram , October ,15, 1931 , Tamil Naidu. He graduated from St Joseph college and earned his degree in Aeronautical Engineering from Madras University. Now October, 15 is celebrated as world students day . He earned lot of honourin his dynamic career as missile man of India. He also developed vehicle technology. He was honored for Bharat Ratna and large number of honours by Govt of India. After this brief information , Dr Asim Ahmad requested Principal , Professor R.K.Dwivedi to pay heart felt tributeto His Excellency D APJ Abdul Kalam . Professor Dwivedi expressed his tribute by putting flowers on his portrait. In continuation Mr Vikram Raina, D Manish Dhingra, MrsSakshi singh , Dr sandeep verma and others expressed tributeto great noble person Dr APJ Abdul Kalam. The ceremony celebration moved ahead and Dr Asim Ahmadrequested , Dr Ajay Upadhyay to express his feeling for the great personality and 11th president of India . Dr Ajay told about his child hood and focused on his simplicity and dedication . Dr APJ abdul kalam said that dreams are not those which we see in night , but dreams are those which we fulfill and do not sleep . Dr Ajay also told about his contribution in Pokhram explosion 1998 and first nuclear test in 1974.

The second speaker Dr Sandeep Verma was invited to praise the high spirit person , Dr APJ Abdul Kalam . He told about his achievement and paid tribute. Lastly Dr Asim Ahmad said that the any program is incomplete without the blessing and positive contribution of Professor R.K. Dwivedi and requested him to en lighten the session . Professor Dwivedi expressed his very positive feeling for his indelible contribution in making modern India in 2020. He said that Dr APJ Abdul Kalam advocated in his book 2020 that India will be most power full country in 2020. Due to time constrain Dr Asim Expressed gratitude and thanks to Professor R.K.Dwivedi , distinguished faculty of FOE&CS for their benign presence.

Written by
Dr Asim Ahmad

DR APJ ABDUL KALAM

Report on IIC Celebration

College of Computing Sciences organized an event to celebrate the achievement of the Institute Innovation Council for obtaining four stars grading and securing 17th rank among all the Innovation Councils in Northern region. Prof. From its inception the IIC-CCSIT is working towards the promotion of innovation among students by conducting various events related to innovation and startups. (Dr.) Rakesh Kumar Diwvedi, Director & Principal (FOE&CS) congratulated IIC members along with other faculties for this achievement. Both the grading and ranking were announced by MIC (Ministry of Education's Innovation Cell) and AICTE. Prof. (Dr.) Rakesh Kumar Diwvedi was the chief guest for the event. In his narration, Prof. Diwvedi said, "Innovation is the need of the hour and each technical institute must incorporate the innovation and startups with its environment. For which college had established the IIC (Institute Innovation Council) in year 2018". He further discussed about the Internal Hackathon conducted by the council and its winners have participated in SIH 2020. Out of the various participant teams from different technical institutes across India, three teams of the college got shortlisted for the finale of SIH 2020 (Software Edition). Two of these three teams were emerged as winners in the domains they participated. Prof. Dwivedi congratulated again both the teams with their mentors and motivated all three teams by saying "Participation is more important in competitions of national level."

Mr. Ashish Bishnoi, Convener, IIC CCSIT at this moment appreciated the college principal as well as the president of council for their motivation and support. On the achievement, he said, "This is the beginning for the council and they have to attain various other objectives with the help of faculty members and participation of student". He discussed about the new changes made in the council as per the MIC guidelines. Mr. Rajendra Prasad Pandey, project coordinator and member of IIC-CCSIT, discussed about the various projects undertaken by the college and described how they are nurturing the youngsters for working in the field of innovation. He motivated the faculty members to listen students' ideas and motivate them to work on it in order to enable the college to make some participation in ongoing innovation and Aatm Nirbhar Bharat movement.

Dr. R.K. Dwivedi, Principal of FOE&CS

Write up for Navratra - Bhakti Mahotsav

On the auspicious occasion of Navratri, iNurture organised Navratra-Bhakti Mahotsav at the campus of FOE&CS in TMU on 19 October, 2020. The objective of this celebration was to tribute deity Maa Durga by various activities i.e. Poster Making, Skit, Rangoli, and Solo Dance & Group Dance. The grand Competition was commenced in the presence of Dr. R.K. Dwivedi Principal of FOE &CS. Mr. Bharat Pandey welcomed Dr. R. K. Dwivedi and other chief guests by presenting bouquet as a token of respect. Dr. Dwivedi graced all the present audience with his spiritual speech on Bhakti. He also highlighted the immense importance of obedience and commitment in students' life.Twenty students participated from various course of BBA, B.Tech, BCA iNurture. This event was adorned with the presence of IT Head (iNurture) Mr.Ratan Rana, HOD Dr.Ashendra Kumar Saxena, Mr. Manish Tiwari, Mr. Navneet Vishnoi Ms. Anu Sharma, Mr. Sandeep Verma, Mr. Abhishek Saxena, Mr. Manoj Gupta, Ms. Subhi and Miss Preety Sani. In organising team Momina Khan, Aman, Sarika and many more played commend

Navratra

TMU and iNurture organized a Mask Distribution program to fight against COVID 19 on the occasion of Navratri.

Dr. R.K. Dwivedi, Principal of FOE&CS avowed the pledge to fight against COVID 19 and also appealed the staff to maintain social distancing in order to stop the spread of Corona. Dr. Dwivedi distributed the mask to all staff members of FOECS, TMU.

iNurture Coordinator, Bharat Pandey extended his gratitude towards Dr. Dwivedi for his wonderful initiative. Mr. Ashish, Mr. Ajay Tiwari, Mr. Manish Tiwari and all other members of FOECS graced the event with their presence.

Mask Distribution program to fight against COVID 19

Havan Pooja

On the occasion of Navratri festival, FOE&CS did 'Havan' as a ritual which has not only very religious reason behind it but also scientific reason as well. It is generally said that by performing 'havan' in Navratri, wishes are fulfilled; prosperity comes in the home and diseases are kept away from the family. Havan must be done during Navratri. The fire burnt in the Yagya Agnihotra makes the persons free from many diseases and works as a shield for them.

Havan Pooja

CELEBRATION ON THE BIRTH ANNIVERSARY OF MAHARISHI VALMIKI & SARDAR VALLABHBHAI PATEL

The birth anniversary of Maharishi Valmiki and Sardar Vallabhbhai Patel, was celebrated in the campus of the Faculty of Engineering and Computing Sciences (FOECS), Teerthankar Mahaveer University, Moradabad on October 31, 2020.

The ceremony was inaugurated by Prof. Rakesh Kumar Dwivedi, Director and Principal of FOE&CS. Prof. Dwivedi along with Proctor Dr.Shambhu Bhardwaj, Placement Director Mr.Vikram Raina, Prof. RC Tripathi, Dr. Sandeep Verma, Mr. Raghavendra Pratap Singh, Mr.Gaurav Kumar Rajput, Mrs. Sakshi Singh, other faculty members and the staff of the college offered floral tributes on the statue of Maharishi Valmiki and SardarVallabhbhai Patel and lit the lamp. This program was conducted in the simplistic manner following the social distancing in view of the corona.

Prof. Dwivedi extended his deepest gratitude to both these great personalities of India by bowing before them. He said that Maharishi Valmiki was a great and the first poet who composed the world famous text "Ramayana" in Sanskrit language which describes the life of Shri Ram and the major events related to him as poetic.

Prof. Dwivedi described SardarVallabhbhai Patel, as a wonderful architect of national unity, and said that India lived in his heart. SardarVallabhbhai Patel was known as the freedom fighter, the 'iron man' of India, and the first home minister of independent India

At the end of the program Prof. Dwivedi conveyed his heartiest greetings and congratulations to all the teachers, staff, Program Coordinator, Proctor Dr.Shambhu Bhardwaj, Organizing Committee members Dr. Sandeep Verma and Mr. Nikhil Saxena. The program was well-conducted by Dr.Diptonil Banerjee.

SARDAR VALLABHBHAI PATEL

Deepotsava

On 10th November iNurture & FoECS, TMU Jointly celebrated Deepotsava : The Diwali Mahotsava at CCSIT Compound. The objective was to celebrate the Grand Five Days Festival of Deepawali with all the students and staff.The grand celebration commenced in the presence of Prof. R.K.Dwivedi, Director & Principal FoECS. Mr. Bharat Pandey welcomed Prof. R. K. Dwivedi and other teachers by inviting them to burn "DEEPS".

Prof. R.K. Dwivedi highlighted the importance of Festivals especially Deepawali in context to Indian culture.

The students of iNurture made Rangoli with the help of Diyas and Colours. All the students and teachers enjoyed the event. At the end of the celebration, sweets were distributed.

Deepotsava

Diwali celebration

Diwali was celebrated in FOE&CS on 11th November 2020 with great zeal and enthusiasm, which somewhat uplifted the gloominess of corona impact. The whole atmosphere was very festive and every one enthusiastically participated in the activities which were organized by the team. All were dressed in ethnic wear. The program started with Laxmi pujan by HoD Dr Ashendra Kr. Saxena. After that, diyas were lit by the faculty and staff members. Other attractions of the event were selfie corner and rangoli of diyas which was decorated by faculty of Humanities department Dr. Zareen, Dr Sonia, Ms Neha & Ms Indu. The fun part of the event was games which were conducted by Ms. Neha Anand, Mr. Rahul Rathore & Dr. Gulista. Everyone also enjoyed the delicious refreshment. The program ended with distribution of sweets & Diwali gifts to the peons & sweepers of the college. Overall, this brought great happiness to everyone.

Diwali celebration

Constitution Day

CCSIT celebrated 'Constitution Day' on 26th November to promote Constitution values. This day is a day to express gratitude to the makers of our constitution and to reiterate our commitment to building the India of their dreams. Constitution Day of India aims to bring awareness on the importance of the Indian Constitution and its architect, Dr. B R Ambedkar. CCSIT which is an ardent practitioner of rules and regulations, celebrated the 'Constitution Day' day with zeal. Dr. Rakesh Dwivedi, Director & Principal, FOE&CS appreciated the fact that in spite of being the largest and diverse democratic country where various ethnic groups reside, people believe in law and have faith in all the three fundamental pillars of Indian Democracy. He said that this is the beauty of our country. Dr. R. C. Tripathi gave a detailed chronological description of the framing of the constitution. Dr. Ajay Upadhayay also expressed his views on the occasion. At the end of the program the Preamble of the Indian constitution was read by all the Faculty members and staff members present during the program. Dr. Sonia Jayant did the anchoring of the program.

Constitution Day

Faculty Development Program on "Innovations in Online Teaching & Assessments"

Dated-21 November 2020

As we all know that today mode of teaching and assessment has moved to a new paradigm and we all are in the process of successfully adapting the new normal ways of teaching and education. Keeping this in view, a FDP on "Innovations in Online Teaching & Assessments" was organized by Jaipuria Institute of Management, Lucknow on 21/11/20 for Faculty of Engineering and Computing Sciences, Teerthankar Mahaveer University, Moradabad.

The key resource persons for the FDP were Dr Ankit Mehrotra, Professor & Dean Research at Jaipuria Institute of Management, Lucknow and Dr Anupam Saxena, Associate Professor at Jaipuria Institute of Management, Lucknow.

Dr Ankit Mehrotra discussed with the participants about various ways of online engagement and covered two important dimensions related to enhancing Faculty-Student connectedness and student-student connectedness during online teaching. He also discussed the use of various online collaboration tools like Google docs, Flipped classes, Mentimeter etc.

Subsequently, Dr Anupam Saxena focused on various ways of assessing students online. He emphasized on formative assessments and summative assessments to be used in combination, he discussed twenty-one tools, ways and methods for both formative and summative assessments like E-portfolios, Padlet, Google forms, developing quick video presentation through the Screencast-o-Matic tool, role plays, games and content analysis. He also emphasized on developing proper assessment criteria and important considerations to keep in mind while designing assessments that are bias-free and which can be easily adapted to different modes of communication as well as can engage students and generate interest in the assessment components

Faculty Development Program on "Innovations in Online Teaching & Assessments"

Alumni Meet & Interaction under Samwad Series (1st Nov 2020)

Faculty of Engineering & Computing Sciences, Teerthanker Mahaveer University Moradabad organized virtual alumni meet & interaction on 1st November 2020 for final year students to prepare them for current requirements of the industry. Prof.R.K.Dwivedi, Principal & Director of Faculty of Engineering & Computing Sciences, President and Vice President of Alumni Association, Programme Coordinators and the team welcomed the alumni at this virtual meet happened as a webinar. In this program many alumni took part and shared their experiences and views regarding the college and the industry, where they are working and shared the opinions to enhance the skills of the students regarding the industry requirements. In the beginning welcome speech was delivered by Prof. Rakesh Kumar Dwivedi, Principal & Director, Faculty of Engineering & Computing Sciences. In his address he welcomed all alumni. He enlightened alumni and the students with his words of wisdom. Further he focused on "How to develop a transferable skills", which enablestudents to engage with the emerging and demanding market and craft his/her own future. He stated that goal setting, its execution, scope of improvement and its parameters are very important and having an edge on others is very crucial for achieving the goals. He gave students

the best wishes for their career and life.
Alumni who made their presence have been working with reputed IT companies i.e Abhijeet from TCS, Askari Mehdi from Global Survey Solutions, Daksh Madan from Cognizant, Dimple Bhatera from Publicis Sapient, Vivek Kumar from Sapient consulting Pvt Ltd, Malav Jain from Wipro, Shubham Jain from Softway Solutions, Jaya Jain from Artech Indian, Shubhi Jain from TCS, Divyanshu Tanter from Wipro and many other.

Abhijeet from TCS said, "defining of technology domain for work is very important. What kind of work you want to do, which suits you more, you must know it and be prepared for it. Additional certifications give an extra edge on others." Daksh Madan from Cognizant suggested to accept the job irrespective of company size. He shared his experienced which he got in small company which is not possible in a large company. Dimple Bhatera from Publicis Sapient explained different phases of recruitment to get into a company as an employee. She suggested to be sound with basics of what the students have been studying as part of curricula and in which they are interested. Shubham Jain from Softway Solutions said that bearing and handling the pressure during the early age of career is crucial. He said that in early phase of career patience and multiple task handling are very helpful in overall development. In this webinar other alumni also shared their experiences, explained multiple dimensions of career and gave tips on how to prepare job hunting and job doing. Positive attitude, never give up spirit, good communications skills, behavioural skills are some of the important aspects discussed by alumni during this webinar. They also responded to numerous queries from the student of the college.

Along with Prof. Rakesh Kumar Dwivedi Principal & Director, Faculty of Engineering & Computing Sciences, Dr. Ashendra Kumar Saxena, HoD CCSIT, Mr Vikram Raina Director Placement Cell, Mr Priyank Singhal President Alumni Association CCSIT, Webinar Coordinators Mr Mohd Saleem & Mr Rupla Gupta, Programme Coordinators and other faculty members have joined this webinar.

Alumni Meet & Interaction under Samwad Series (1st Nov 2020)

5th International Conference on Advancement Computing (ICAC-2020) 07th Nov 2020 Faculty of Engineering & Computing Sciences, Teerthanker Mahaveer University,Moradabad-244001, Uttar Pradesh, India

"5th International Conference on Advancement Computing (ICAC-2020)" in association with International Journal of Research Trends in Computer Science & Information Technology (IJRTCSIT) (http://www.ijrtcsit.org), Technically Sponsored by Computer Society of India (CSI), sponsored by CETPA Noida and supported by IBM, Microsoft, iNurture, Cisco and skill enhanced academic solution was organized on 07th Nov 2020 at Faculty of Engineering & Computing Sciences, Teerthanker Mahaveer University, Moradabad-244001, Uttar Pradesh, India.

It is proof of the importance and significance of this event that it has the presence and active participation of the most important researchers, technologists and business entities in the field of Computer Science and Engineering. The conference provided the platform for learning from each other and sharing the excitement of the profession which will lead to future collaborations and fascinating results.

During this conference, significant advancements in all aspects of research, development and applications had been covered and discussed through presentations alongwith plenary and invited talks. The technology today has been developing at a rapid pace. In this era of globalization, the exchange of knowledge and skills has given a further fillip to the exponential growth in the field of technology. Such phenomenal advancements have revolutionized almost every sphere of human life today. It gives us a platform to learn and explore this field and develop insights into the interdisciplinary approach to technology.

The conference came out as a great platform for exchange of technological know-how and sporting spirit. It was highly gratifying to witness that students have been taking the initiative to participate with a high degree of improvisation each year in this kind of event since FoECS advocates that students are to be encouraged so that they may bring India to the level which it richly deserves.

It has been acknowledged worldwide that Computer Science and Engineering is the leading stream in taking the humanity to civilization. The conference determined to find new advancements in the fields of computer, engineering, computation and communication. Recent findings in Computer Science have touched almost every sphere of life. These new information works for the sustainable development and globalization of economy and social empowerment. In light of this, Advanced Computing is very much relevant to explore and implement new ways of computing.

The aim was to provide a platform to the eminent academicians, scientists, researchers, industrialists, technocrats, government representative, social visionaries and experts from all strata of society, under one roof, to explore the new spheres of innovative technologies to identify new path ahead which should decay isolation, enlighten the obscurities regarding technology and find scientific progress aimed to pave the path of Indian growth in the field of technology in front of the world and to prove that India should be crowned as developed Nation. The conference included regular paper presentation sessions, invited talks, key note address and panel discussions.

FoECS felt fortunate in taking the opportunity to express sincere gratitude to Chief Guest and Key note speaker Respected Prof. (Dr.) Shakti Kumar, Director, Panipat Institute of Engineering and Technology, Samalkha, Haryana, India, who enlightened minds and transferred the attendees to the new world of knowledge. The college is thankful to Dr. Ashutosh Bhatt, Associate Professor, (Secretary ACM Uttarakhand Professional Chapter), Department of Computer Science & Engineering, Birla Institute of Applied Sciences, Bhimtal, Nainital the Guest of honor and Session Chair, who encouraged the new learners to express them on new technology. Furthermore, the college is highly

thankful to Mr. Sushil Kr. Singh, Seoul National University, South Korea the Guest of honor and Session Chair, who helped a lot in conducting the conference successfully.

In the successful completion of the conference, the college expressed deep sense of gratitude to Hon'ble Chancellor Shri Suresh Jain who has always been a constant source of inspiration for the young generation and faculty members. We are thankful to Hon'ble Group Vice Chairman, Shri. Manish Jain who constantly helps and gives direction to provide quality education and establishes a repository of knowledge and diverse activities of human interest encompassing academics, art and culture, sports and community service. In addition to this, a special thanks was rendered to towards our Hon'ble Vice Chancellor Prof. Raghuvir Singh under whose supervision the university has been growing to achieve the perfection in interdisciplinary branches of education.

The organizing team paid thanks to Prof. R. K. Dwivedi. Director & Principal FoECS , without his support, the conference organizing team would not have been able to successfully organize this mega event.

This forum gave a wonderful platform to have an intensive dialogue on grid computing, quantum computing, image classification, voice recognition and machine learning. The college sincerely believes this flame will live forever.

The college is grateful to all the researchers and students who proved to be the most important part of the event.

Er. Namit Gupta
Convener, (ICAC-2020)

5th International Conference

Workshop on Entrepreneurship and Innovation as Career Opportunity"
Date: 02/12/2020,11:00 A.M- Introduction of Expert by Ms. Neha Anand
11:30-Session by
Prof. (Dr) Vaishali Dhingra, Joint Registrar, Research & Development, TMU

An online workshop was organized by Faculty of Engineering on 02/12/2020 under the aegis of Institution Innovation Council (An initiative of MHRD's Innovation cell, Govt. of India). Dr Vaishali Dhingra, Joint Registrar, Research & Development, TMU was the distinguished speaker of the session. Faculty and students of B.Sc, M.Sc and B.Tech from various departments participated in the event online through zoom meeting. Ms. Neha Anand welcomed all the participants. Prof (Dr) R K Dwivedi, Principal FOE & CS highlighted the importance of workshop and said that no doubt there are immense opportunities of entrepreneurship in new India. He further stated that entrepreneurship is the need of the hour, and innovation is the key to successes in this competitive world. Ms Neha introduced the guest speaker to the audience.

The talk delivered by Dr. Vaishali Dhingra emphasized upon "Atmanirbhar Bharat" and what is instore for young students. She emphasized that Entrepreneurship is not just about taking risk but it's all about taking calculative risk which can defeat the uncertainty looming large upon any new start-up. In this context various types of uncertainty and how to deal with them were discussed. It was rightly pointed out that we all have a tendency to look at the characteristics of famous entrepreneurs. But ideally, we must look into the traits which made them entrepreneurs and learn from them. Entrepreneurs like Richard Branson, Mansukhbhai Prajapati and their business models were discussed.

Various schemes of Government of India for promoting entrepreneurship in the country were discussed. Government has been working on schemes like Atal Incubation Centre, MUDRA, NABARD etc. which were shared during the talk with the students. The importance of the concept of "Minimum Viable Project" was discussed in case of newly launched start-ups.

Mr. Pradeep Verma extended vote of thanks to the participants.

Brief profile of (Dr) Vaishali Dhingra

An academician since past 22 years and Joint Registrar (R & D), in Teerthanker Mahaveer University, she has significantly contributed in the field of work life balance and QWL with papers crossing a mark of 1200 reads on Research Gate. Published papers in prestigious Scopus, Web of Science and ABDC listed journals including the journals published by IIM Kolkata and XLRI Jamshedpur. She is the Chief Editor of the journal Viewpoint since 2010.

Deliver talk to IPS officers, government officials of various departments like Moradabad Development Authority, Public Works Dept etc. at the behest of Commissioner Moradabad Division, to make them more sensitive towards the needs of general public. Conducted motivation and confidence building workshops at the behest of Joint Director of Industries for manufacturers and exporters associated with brass and textile handicrafts. Conduct workshops for skilled workers working in the premises of Handicraft exporters, entrepreneurs, manufacturers and exporters organized by Export Promotion Council for Handicrafts (EPCH) under the aegis of Development Commissioner (Handicrafts), Ministry of Textiles, Government of India. Chaired sessions and delivered key note address in a number of conferences including those hosted by the University of Delhi and IIT Delhi. She initiated Entrepreneurship Cell in Teerthanker Mahaveer University in the year 2011 and motivated students to pursue it.

Prof. (Dr) Vaishali Dhingra,

9th International Conference on "System Modeling & Advancement in Research Trends" (SMART–2020), in technical co-sponsorship with IEEE UP Section, is organized by Faculty of Engineering & Computing Sciences , TeerthankerMahaveer University, Moradabad on 04-05, December, 2020.

The purpose of this conference is to make a scientific contribution to the field of computational creativity through discussion and publication on progress in fully autonomous creative systems, modeling human and computational creativity, computational support for human creativity, simulating creativity, and human/machine interaction in creative endeavors. Contributions come from many relevant disciplines, including computer science, artificial intelligence, engineering design, cognitive science and machine learning and deep learning. The main objective of SMART–2020 is to provide platform for the Researchers, Engineers and Scholars in the field of Computer Science and Information Technology to disseminate their latest research results and exchange views on the future research directions in these areas. The conference focuses on the study and exchange of academic achievements of international researchers. It serves as academic discussion communication platform which is beneficial for research in the field of computer science aiming to stimulate researchers in their work. The collection of papers in this conference proceedings are on Emerging Technologies, IOT & Wireless Communication, Digital India Initiative, Communication and Network Broadcast, Signal Image & Communicational Technology and Governance, Risk and Compliance.

SMART–2020 received 357 submissions and each submission was reviewed by external reviewers and evaluated on quality, originality, and relevance. The technical program committee accepted 91 papers. As a result, 91 submissions were selected for discussion at the meeting of the program chairs and all papers were accepted for the presentation at the conference. Out of 357 submissions, 91 were chosen to be published in the proceeding of SMART–2020. The papers presented at SMART–2020 were not its only highlight. In addition to the technical sessions, the conference featured keynote addresses by leading academicians from industry and academia, such as 1. Prof. (Dr.) K.K. Aggarwal, Chairman, National Board of Accreditation. 2. Prof. S.N. Singh, Professor (HAG) Department of EE, IIT Kanpur, UP, India. 3. Prof. (Dr.) R.K. Mittal, Vice-Chancellor of Chaudhary Bansi Lal University, Bhiwani, and Founder V.C., TeerthankerMahaveeer University, Moradabad, India. 4. Dr. Danila Parygin, Associate Professor, VSTU, Cand. Tech. Sc., Volgograd, Russia 5. Prof. Asheesh Kumar Singh (Prof. & Head, EE-MNIT Allahabad).6. Prof. (Dr.) Prabhakar Tiwari Associate Professor, Deptt. Of EE, MMMTU-GKP& Secretary IEEE U.P. Section 7. Prof. (Dr.) Satish Kumar Singh Associate Professor. in Deptt. of Information

SMART–2020

Dr. R.K. Dwivedi, Principal of FOE&CS

Technology,IIIT Allahabad (U.P.) & Vice President IEEE U.P.Section. 8. Prof. (Dr.) Dilip Sharma, Associate Dean (Academic Collaboration), GLA University, Mathura. 09. Prof. (Dr.) S K Kak General Council Member NBA New Delhi & Ex VC UPTU Lucknow & Ex VC CCS University Meerut UP. 10. Dr. AseemChandel, Convener, Professional Activities Committee, IEEE UP Section & Director Rajkiya Engineering College, Mainpuri, India 11. Prof SarosUmar, Professor, AMU, Aligarh 12. Prof. MadhvendraMisra, Professor, IIIT, Allahabad.13. Prof. Ravendra Singh, Professor, MJPRU, Bareilly. 14. Dr. Rajeev Tiwari, Associate Professor, UPES, Dehradun.15. Dr. Karan, Associate Professor, JNU, New Delhi.In total, there were over 279 individual authors from five countries, representing both academic and industrial organizations. The research areas covered at SMART–2020 were thus not only technical in nature, but reflected the diverse angles from which to approach this emerging research field. During the organization of this conference I received help from different people, departments and institutions. First, I would like to extend my sincere thanks to the Chief Patrons Shri. Suresh Jain, Chancellor, Teerthanker Mahaveer University, Moradabad , Shri Manish Jain, Group Vice Chairman, Teerthanker Mahaveer University, Moradabad, Mr. Akshat Jain , Esteemed Member of TMU Society and the Patrons Prof. Raghuvir Singh, Vice Chancellor, Teerthanker Mahaveer University, Moradabad for their valuable support in organizing such an international conference. Secondly, I would like to thank the IEEE U.P. Section, India for their enthusiastic assistance and support to this conference. Now, I would like to thank the keynote speakers for their incredible speech on the main theme of the conference. I would like to thank both the authors who submitted their work to SMART–2020 and the external reviewers, who spent their time reviewing the research papers and providing the feedback that resulted in the selection of the papers featured in these proceedings. Several organizations provided financial and logistical assistance in organizing the conference, and I would like to acknowledge their support. Lastly, I want to thank to the programme committee members for their diligent and great work that made this conference possible. In conclusion, it was the team effort of all these people that made this conference a success. I welcome suggestions that may help improve the conference in the future. I look forward to this publication providing the foundation for future developments in the field of computer science and information technology.

Prof. Raghuvir Singh , Prof. (Dr.) K k Aggarwal

Prof. R. k. Mittal

CSIH-2020

Date: 8-Dec-2020

Faculty of Engineering and computing Sciences, Teerthanker Mahaveer University organised Cyber Security Innovation Hackathon on 8th December 2020 with an aim to make students aware about cyber security in today's era which is really the need of the hour.

Hackathon was conducted in two categories wherein in first there was student's innovation where the students selected some problems on their own and they presented their solutions before the jury members and second was cyber security innovation in which all the participating teams presented their solution and ideas for the problems as enclosed in the released notice.

Total 15 teams participated in the event. The inauguration of the event was graced by Prof RK Dwivedi, Director and Principal Faculty of Engineering and computing Sciences

In his inaugural address he motivated the students and provided a deep insight into the theme.

There were two category winners in this hackathon:

Category 1: Student's Innovation

Winners:

Team name: The Rocks

1.Priyanshu Jain - B.Sc(Hons)CS 5th sem --- Team Leader
2.Suraj Madheshiya -B.Sc(Hons) CS 5th sem
3.Diya Sharma - B.Sc(Hons)CS 5th sem
4.Lal Babu Shukla- B.Sc(Hons)CS 5th Sem

Category 2: Problem Statement

Team name: White Hat Hackers

Statement: Defending Against advanced attack vectors on biometric identification and authentication system.

1. Shubh Saxena -- B.Tech(CSE) 3rd Sem -- Team Leader
2. Suprabh Gadia -- B.Tech (CSE) 3rd Sem
3. Tanisha Jain -- B.Tech (CSE) 3rd Sem
4. Pragya Jain -- B.Tech (CSE) 3rd Sem

CSIH-2020

"Workshop on National Innovation and Start-up Policy (NISP)"

An online workshop was organized by Faculty of Engineering on 22/12/2020 under the aegis of Institution Innovation Council (An initiative of MHRD's Innovation cell, Govt. of India). Dr Pankaj Goswami, Associate Professor, Faculty of Engineering, TMU was the distinguished speaker of the session. Faculty and students of BSc, MSc and BTech from various departments participated in the event online through zoom meeting. Ms Sakshi Singh welcomed all the participants. Prof (Dr) R K Dwivedi, Principal FoE&CS, highlighted the importance of the workshop and said that in India there is immense potential available for innovation and entrepreneurship. He further stated that people in India have proved their worth all across the world by their hard work, but now the need of the hour is to transform the young generation from job seekers to entrepreneurs. Ms Sakshi Singh introduced the keynote speaker to the audience.

In his talk Dr. Pankaj Goswami said that the institute is actively looking for ARIIA ranking, which is basically based on innovations and start-ups carried out within the institutes. The Ministry of HRD Innovation cell is working aggressively to promote start-ups, innovation and entrepreneurship within the higher education institutes. In this direction we all are required to promote small start-ups under the national innovation and start a policy framework. The University is adopting NISP framework and encouraging young talents to come up with new ideas to nurture entrepreneurial activity. Mr Pradeep Verma extended Vote of Thanks to the guests and all the participants.

CSIW: Cyber Security Innovation Webinar

Date: 9.12.2020
Time: 10:30 am- 2 pm.

The massive growth of the internet and our dependence on it is exposing us to newer and lethal cyber threats. The era of the fourth industrial revolution has begun, which makes our machines smarter and connected with one another. Weaved together with the benefits of this revolution across verticals are the threats of online crooks who are surreptitiously trying to steal information from our devices and hold us to ransom. So Faculty of Engineering and Computing Sciences conducted a webinar on cyber-attacks, followed by security threats and breaches. The session was hosted by Mr. Priyank Singhal, Assistant Professor, FoE & CS and CISCI certified Trainer. This short and effective webinar discussed the potential threats that our systems are exposed to and some of the simple ways to prevent such lethal attacks. This report outlines the key highlights of the webinar to spread the words of wisdom to make our online sessions safer.

Session 1:
In the session, our first speaker was Prof. R.K. Dwivedi (Principal, Faculty of Engineering and CS). He pointed out that hacking cannot be considered as a one-off incident nowadays as it has gradually turned into a commodity. He gave the session on cyber security basics. In this he discussed about cyber security demand, application available for securing ourselves. He also enlightened the participant about e-Governace, possible attacks, Phishing, Pharming, DoS, security architecture, secure socket layer architecture and told basic rules for safer transaction.

Session 2:
Second session was taken by Dr. Nitin Pandey (Associate Professor, Amity University, Noida, U.P.). He discussed about various security threats that can be categorized into Ransom ware, Malware, Phishing, APTs, Targeted attacks and DDoS. Each of these threats has their own characteristic that differentiates them from the other. From threats like a Ransom ware that encrypts all files and then demands a ransom to Advanced Persistent Threats (APTs) which are often masked by DDoS (Distributed Denial of Service) to hamper services offered by a company, all are initiated mostly through e-mails and here are the key pointers on their characteristics.

In today's digital world, effective cyber security is a crucial business success factor. As hackers find more ways to attack digital assets, the capability of an enterprise to maintain business continuity, and the security of the critical data in it, may be called into question. New threat vectors and attack techniques demand new approaches to corporate protection. The expert panel will deliberate on strategies aimed at mitigating cyber threats in the digital world. He also discussed about the cyber criminals and various threat areas.

Session 3:
Third session was taken by Ms. Rachna (Cyber Security trainer, Ducat India Private Ltd.) She shared her views on the topic 'Careers in Cyber Security'. She pointed out the career opportunities for the young technocrats in the era of computing.

She pointed out that new high-profile cyber attacks seem to constantly flood news headlines, so it's no wonder that cyber security experts are becoming very important and are in-demand in all types of firms. While a career in cyber security can be stressful, it's also extremely rewarding. The responsibilities of a cyber security professional may vary, but the role can be simplified into one function:

protect a company's data from being compromised by an attack.

Finding the right career path in the cyber security industry isn't always easy. While some know they want to go into the field straight out of college, many work in IT or software engineering before exploring a more specialized career in the industry. She mentioned to the audience some popular careers based on experience level:

- Entry-level roles: systems engineer, systems administrator, web developer, IT technician, network engineer, security specialist
- Mid-level roles: security technician, security analyst, incident responder, IT auditor, cyber security consultant, penetration tester
- Advanced-level roles: cyber security manager, cyber security architect, cyber security engineer, chief information security officer

She added Cyber security careers are complex and many roles can be found with banks, retailers and government organizations. In the job, you can expect to safeguard an organization's files and network, install firewalls, create security plans and monitor activity. If a breach occurs, you'll be responsible for identifying the problem and finding a solution quickly. Because of the frequency of cyber attacks, careers are varied and qualified professionals are in demand.

Session 4:

Fourth Session was taken by Prof. (Dr.) Brijesh kr. Gupta, Director, BRAANET Technologies, Ghaziabad, India. He illustrated his findings on the topic 'Start-ups in Cyber Security'. He mentioned that some of the brightest minds in cyber security have in recent years formed companies to address everything from verifying user identities without passwords to securing and isolating applications from the network to protecting data in motion between clouds and devices. CRN has identified 10 cyber security startups founded since 2018 with at least $10 million of outside funding that stood apart from the pack, thanks to new funding, the launch of partner initiatives, or key product enhancements or updates. Five of the top startups are based in California, two are based in Massachusetts, and the remaining three are headquartered in Texas, Ireland and Israel, respectively.

He elaborated the points students will face while establishing a start-up in this field in India. He also explained the solution on how one can get out of it. Major problem in India regarding same is internet facility. He highlighted various Indian government schemes in terms of securing data and for cyber security.

The short and effective webinar discussed the potential threats that our systems are exposed to and some of the simple ways to prevent such lethal attacks.

The webinar concluded with these tips and a brief Q&A session.

Webinar Coordinated By:
Dr. Gulista Khan
Mr. Rahul Rathore
Mr. Priyank Singhal
Dr. Kirti Shukla.

CSIW: Cyber Security Innovation Webinar

One day Guest Lecture on "More about Electronics Test and Measuring Instruments" was jointly organized by the Department of Electronics & Communication Engineering and Electrical Engineering on 12th December, 2020.

More than 100 participants from academics and students registered for Guest Lecture.The webinar was oriented to deal with role of test and measuring instruments to deal with common utilities at various instrumentation systems.

The Guest Lecture was convened by Mrs. Sakshi Singh, HOD, ECE Department FOE&CS.

The Guest Lecture was graced by the presence of esteemed guests

1. Prof. R.K. Dwivedi, Director & Principal, Faculty of Engineering and Computing Sciences, TeeerthankerMahaveer University, Moradabad.

2. Chief Guest, Dr SanjeevTyagi, Associate Professor, Department of Electronics & Instrumentation Engineering, MJP Rohilkhand University, Bareilly

3. Mrs. Sakshi Singh,Head of the Electronics & Communication Engineering Department,FOE&CS

4. Dr GarimaGoswami,Head of the Electrical Engineering Department,FOE&CS

5. All the coordinators & Organizing committee of TeeerthankerMahaveer University, Moradabad.

Our life is incomplete without electricity. We need electricity for every purpose, be it entertainment (listening to music or watching television), working on computer, using washing machine or escaping the summer heat with the aid of air conditioners. Everything needs electricity to operate. However, we need to ensure whether everything is working appropriately and accurately. This necessitates the importance of electrical measuring instruments.Electrical measuring instruments play a big role in a variety of things such as agriculture, weather, automobile industry, health care centers and many more, in the modern society. Since they have good potential to provide accurate results, we can perform our role with great reliance. Similarly, when we want to verify the readings, we may require to calibrate electrical measuring instrument to match the readings of a particular standard.

Prof. (Dr.) R. K. Dwivedi at the inaugural ceremony of the session addressed the importance of the test and measurement for future career aspects. In addition, the learning experience of learning skills will help students in their technical and research projects. Chief Guest, Dr SanjeevTyagi, Associate Professor, Department of Electronics & Instrumentation Engineering, MJP Rohilkhand University, Bareilly in his session said that session without the ability to measure, it would be difficult for scientists to conduct experiments or form theories. Not only is measurement important in science and the chemical industry, it is also essential in farming, engineering, construction, manufacturing, commerce, and numerous other occupations and activities. During his talk, participants were benefited with attributes of measurement and how this can be implemented in various live projects.The basic principle for correct measurements is to ensure that all those involved in manufacturing are skilled in measuring, and that the measuring instruments are correctly managed and used. These basics make up an initiative known as "Measurement Control," which is a core concept of quality control. The session was highly appreciated by the participants in the feedback session. DrGarimaGoswami, HoD, EEdelivered vote of thanks to all Guest, Participants, Coordinators and Organizers from TeerthankerMahaveer University.

One day Guest Lecture on "More about Electronics Test and Measuring Instruments"

National Conference On Materials and Devices (NCMD-2020)

Materials and its applications in form of devices have always played a key role as one of the main pillars of economic progress and social well-being in any country and indeed the world as a whole. The scope of the national conference on materials and devices is to support research communities by empowering Professor, Scientists, Researchers, Students and Business Delegates to regularly meet and discuss topics with frontrunners in the field of materials and their recent findings. The challenges encountered in the research problems and to explore the possibilities of the new collaborators with top academicians and scientists from the field of materials and their applications in the form of devices is also be the theme of this conference. This conference is having one aspect for sharing of knowledge and providing the platform to explore and learn new researchers in their respective area of research interest. The organizing committee invites all participants across the country to attend the "National Conference on Materials and Devices (NCSD-2020)" Online, which is organized by Department of \physics, Teerthanker Mahaveer University, Moradabad during Dec. 18-19, 2020. This conference includes prompt Keynote Presentation & Oral Talks.

National Conference On Materials and Devices (NCMD-2020)

Prof. Mukul Kishor

Inauguration Session

Chief Guest and Guest of honour,sharedtheir views and blessed us to accelerate the research and development for the benefit of human beings.Conference Sessions: (Session-1 & 2)Two Professors Dr. K. Pandey from University of Allahabad and Dr. Nitin-Jadhav from SabitribiPhule University, Pune chaired Session-1 and Session-2 respectively and conducted the conference smoothly.

One key-note speaker – Prof.S A Hashmi from University of Delhi delivered his talk on Eco friendly Carbon Electrode for solid state super-capacitors.

Plenary speaker Prof. Bhaskar Bhattacharya from BHU Varanasi, described the polymer electrolyte for quantum dot based solar cells with better efficiency, which is non-hazardous and eco-friendly.

Today Two Sessions were conducted.

One Key-Note talk, 2 Plenary talk and 5 invited speakers shared their research contributions in NCMD-2020.17 research students participated for oral presentation but due to some reason only 10 presented their papers in the conference. Out of 10, 2 students from department of physics, Teerthanker-Mahaveer University, Moradabad, presented their review papers.

Technical Session-3

Two Professors Dr. Amit Saxenafrom 1Shri Vaishnav Institute of Science, SVVV, Indore and Dr. Asim Ahmad Teerthanker MahaveerUniversity, Moradabad have chaired the Session-1 and Session-2 respectively and conducted the conference smoothly.

Conference Sessions : (Session-3 & 4) Key-Note speaker Prof. Neelam Srivastavastarted her lecture. She explained the transport mechanism of charge carriers with a certain formula called power law.

Plenary speaker Prof. U. P. Singh from KIIT, Bhubneshwar, described thin film solar cell technology, its present status and future materials to meet the need of energy for every mankind.

Today Two Sessions were conducted. One Key-Note talk, 2 Plenary talk and 9 invited speakers shared their research contributions in NCMD-2020. 23 research students participated for oral presentation but due to some reason only 13 presented their papers in the conference.

"National Mathematics Day-2020"
22 December 2020

National Mathematics Day is celebrated on 22 December every year to spread awareness about the importance of Mathematics and the contributions made by the scholar of Mathematics Srinivasa Ramanujan. The government of India decided in 2012 to celebrate "National Mathematics Day" on 22 December on the birth anniversary of Srinivasa Ramanujan. Keeping in view, Department of Mathematics, Faculty of Engineering & Computing Sciences celebrated the 133th birth anniversary of "Srinivasa Ramanujan" as National Mathematics Day. The program started withthe lighting ofthe lamp in front of Maa Saraswati&garlanding the picture of Srinivasa Ramanujan byProf. R K Dwivedi, Director &Principal FoE&CS , Dr. Ajit KumarHoD, Mathematics,andall facultymembers.

Importance:

The main objective behind the celebration was to raise awareness among people about the importance of Mathematics for the development of humanity. We can't ignore that several initiatives are taken to motivate, enthuse and inculcate a positive attitude towards learning Mathematics among the new generation of the world.

Prof.R. K. Dwivedi presented the complete biography of Ramanujan and discussed about his educational life. Keynote speakers, DrVikas Panwar, Associate Professor, G.B.University, Greater Noida, virtually joined the session and informed about the relationship between Srinivasa Ramanujanand Prof. G.H. Hardy, who appreciated and adopted the work of Ramanujan.GH Hardy, mentored him and encouraged Ramanujan to publish his findings in several papers.

Dr Manoj Kumar, Associate Professor, GurukulKangri University, Haridwar, virtually elaborated the achievements of Ramanujanin the field of number theory. He also threw light on his early education, and love for Mathematics. Dr. Kumar also told thatRamanujan was dedicated to his love and passion for Mathematics. That passion was one of the key factors that changed the mind set of western world about India and the talented Indians. Since his death, Ramanujan's writings have been studied extensively. Some of his conjectures and assertions have led to the creation of new fields of study.

Dr. Alok Kumar Gahlot& Dr. Laxmi Kant Tiwari, Associate Professor Department of Mathematicspresented their views on the life of Ramanujan and his theories.

On the auspicious occasion of National Mathematics day, a book "Remedial Mathematics" by Dr. Abhinav Saxena was launched.

Simran Chaudhary from B.Sc. (H) Maths IIIrd year, Gargi, Rohin, Himanshu and Prerna Saini from B.Sc. (H) Maths IInd year contributed with their views on Srinivasa Ramanujan along with a mathematical activity.

Dr. Ajit Kumar, HoD, Mathematicsdelivered the Vote of Thanks.

About Srinivasa Ramanujan and his contributions in Mathematics

Srinivasa Ramanujan was born on 22 December, 1887, Erode, India and died on 26 April, 1920 at Kumbakonam. At the age of 12, he gained knowledge in Trigonometry and without anyone's help, he developed his own theorems and ideas. At the age of 15, he obtained a copy of George Shoobridge Carr's Synopsis of Elementary Results in Pure and Applied Mathematics.

Hespent his childhood days in great difficulty and in utter poverty. He used to borrow books and read books from friends in school. When he was young, he took up the job ofclerk to meet the economic needs of the house, and whenever he got the time, he used to solve mathematics questions and worked on various types of theorems. Once, an Englishman saw those pages, he was impressed and took personal interest. He sent Srinivasa Ramanujan to Hardy, the Professor of Oxford University. He, then, recognized

"National Mathematics Day-2020"22 December 2020

the talent hidden in him and thereafter he got fame worldwide.
His papers were published in the Journal of the Indian Mathematical society in 1911. He had compiled about 3900 results mainly identities and equations that too on his own without anyone's assistance. Several results out of them are original and novel like the Ramanujan prime, The Ramanujan theta function, partition formulae and mock theta functions. These results further inspired several other researches and opened new fields of work. He discovered his own theory of divergent series, worked out the Riemann series, the elliptic integrals, hyper geometric series and the functional equations of the zeta function. The number 1729 is known as the Hardy-Ramanujan number.
"An equation for me has no meaning, unless it expresses a thought of God"

"Entrepreneurial Development in the field of IoT and Cloud Computing"

Electrical Engineering Department and Electronics and Communication Engineering Dept. Faculty of Engineering and Computing Sciences, TMUjointly organized a Webinar on December 23, 2020 on the topic "Entrepreneurial Development in the field of IoT and Cloud Computing".Faculty of Engineering & Computing Sciences is always committed to the holistic development of students and faculty members. In this series another mega event was conceptualized and executed in the field of the most trending industrial domain of Cloud Computing and Internet of Things (IoT). This Webinar wascoordinated by Dr. Garima Goswami, Head, Electrical Engineering Department, FoE&CS, TMU.
Mr. Manjeet Rawat, Advance Diploma Engineer, Mr. Dileep Tiwari, IoT Trainer and Mr. Naveen Toshniwalwere the distinguished guests and speakers of the webinar.
The Webinar commenced with the encouraging and insightful thoughts of Prof. Rakesh Kumar Dwivedi, Director and Principal FoE&CSwho also has an expertise in this field. Prof. Dwivedi shared his immense knowledge and understanding of practical issues and different startups in the field of Internet of Things. He shared his experience in the field of Internet of Things and Cloud Computing along with the different startups and the reasons behind the evolution of cloud Computing. He also shared the vision of honorable Prime Minister and quotedIT+IT+IoT= IT which was explained as Information Theory + Internet + Internet of Things = India Today. With great inspiring words he also framed the vision for the department for future development.
Mr. Manjeet Rawat, Advance Diploma Engineer (Computer Hardware and Networking) shared his thoughts and valuable insights over Cloud Computing. Cloud computing is the on-demand availability of computer system resources, especially data storage (cloud storage) and computing power, without direct active management by the user. The term is generally used to describe data centers available to many users over the Internet. Large clouds, predominant today, often have functions distributed over multiple locations from central servers. If the

"Entrepreneurial Development in the field of IoT and Cloud Computing"

connection to the user is relatively close, it may be designated an edge server.

Mr. Dileep Tiwari, Trainer, Internet of Things, shared how IoT, shapes the world of tomorrow and helps to propel human civilization in modern times. He also trained students with the help of a Home Automation Project and gave different aspects of Home Automation technical details too. The Internet of things (IoT) describes the network of physical objects"things"—that are embedded with sensors, software, and other technologies for the purpose of connecting and exchanging data with other devices and systems over the Internet.

Mr. Naveen Toshniwal, a business person and a passionate learner of Grapho Theory presented different personality traits through the writing of an individual. He explained how someone can understand the personality traits of an individual by looking at different strokes and their position on letters. The participants enjoyed his session a lot.

The Webinar ended with the thank you note of Dr. Pankaj Goswami, Associate Professor, Electronics and Communication Engineering Department, Faculty of Engineering and Computing Sciences, TMU.The event was successfully organized with theunified efforts of faculty members of Electrical and Electronics & Communication Engineering departments, Mrs Sakshi Singh, Mr Pradeep Verma, Mr Umesh Singh, MrRaghvendra Singh, Mr Vineet Jaiswal, Mr Rahul Vishnoi, Mr Neeraj Kaushik and Mr Prashant Kumar.

Webinar Coordinator:

Dr. Garima Goswami

Head, Electrical Engineering Department
FoE&CS, TMU

Organizing Committee:
Mr. Pradeep Kumar Verma, Asstt. Prof., EED, FoE&CS
Mr. Umesh Kumar Singh, Asstt. Prof, EED, FoE&CS
Mr. Raghvendra Kumar Singh, Asstt. Prof, EED, FoE&CS

AtalJayanti(AtalMahotsav)

FOE&CS TMU organized AtalMahotsavto commemorate the birth anniversary of our former Prime Minister Late ShriAtalBihari Vajpayee from 24th December to 26th December. During the Mahotsav various activities were held. On 24th December inaugural session was held, during which lamp lighting was done to pay homage to the great leader. After that glimpses of Atalji's life was shown on the projector which filled everyone with patriotism. During the session Dr. R.K. Dwivedi, Director & Principal FOE&CS expressed his views about the great leader and said that we should learn and imbibe the philosophies of Atalji in our life. During the talk other faculty members like Dr. Ajay Upadhayay, Mr. PriyankSinghal and Mr. Raghjvendra Singh expressed their views and recited some of the poems of ShriAtalBihariVajpayeeji. Anchoring was done by Dr. Sonia Jayant.

On the second day of the program Essay writing and poster making competition was held. Many students participated in the activities with great zeal. Essay writing competition was judged by Dr. GarimaGoswami and Mrs. InderjitJheetay. Winners of essay writing competition were Abhishek Singh, Rahul Jain, Shivan-

shDubey who stood first, second and third respectively.

Poster making competition was judged by Mr. JyotiRanjan, Dr. Megha Sharma. Winners of the activity were MuskanBaliyan, Apporv Mittal, GinniVarshney.

Poem recitation competition was held on 26th December, 2020. Students participated with great zeal and enthusiasm and recited the poems of ShriAtalBihari Vajpayee. The event was named Kavyanjali and it was judged by Dr. ZareenFarooq and Ms. InduTripathi. The activity left everyone spellbound. Winners of the activity were Apporv Mittal, Anushikha, Anjali Tyagi, and Pratha Sharma

The AtalMahotsav was organized by Humanities Department. Dr. ZareenFarooq was the event coordinator. Other members of the team were Dr. Sonia Jayant, Ms. InduTripathi, Ms. NehaAnand, Mrs. InderjitJheetay, Mr. Saleem, Ms. ShikhaGambhirand Mr. AugrahSaxena.

AtalJayanti(AtalMahotsav)

"Motivational Session by Mr Vaibhav Sharma - a Successful Innovator"

An online session was organized by Faculty of Engineering on 26 Dec. 2020 under the aegis of Institution Innovation Council (An initiative of MHRD's Innovation cell, Govt. of India. Mr Vaibhav Sharma, Head of Operations, Energy Intelligence Private Ltd, Noida was the distinguished speaker of the session. Faculty and students of BSc, MSc and BTech from various departments participated in the event through zoom meeting. Ms.Sakshi Singh welcomed all the participants. Prof (Dr) R K Dwivedi, Principal FoE&CS highlighted the importance of the session and said that in India the need of the hour is to innovate products and services. It is required to think out of the box and get the solutions to the problems differently. Mr Pradeep Verma introduced the keynote speaker to the audience.

The talk delivered by Mr Vaibhav Sharma emphasized upon on the goal of 'Atam Nirbhar Bharat' i.e to self analyse our problems and attain the solutions rather than depending upon other countries for them. He further stated that our company ENERGY. INTELLIGENCE.IN was started initially at a very small scale but got exponential growth within a period of one year. It produced the UPS which has the capacity to restore the discharge for a long period of time. It is more reliable, can work at higher temperatures, and that too at 27 percent cheaper cost than our competitors. The company is giving 3 years warranty for their product which is unbeatable by any other company in India till date. He said that innovation is a process and to become the innovator it is essential to first identify the real problem, then find the optimal solution to the problem, make plan, action and monitor till the goal is achieved. Innovators start by looking how the world can be better. They see things as they are and then they see how they could be. To start to be an innovator, one needs the mindset, skillset and toolset of an innovator.

Mr Pradeep Verma extended Vote of Thanks to the guests, organizers and the participants.

"Motivational Session by Mr Vaibhav Sharma - a Successful Innovator"

Entrepreneurship Awareness Camp

Three-daysEntrepreneurship Awareness Camp was organized atFaculty of Engineering, Teerthanker Mahaveer University, Moradabadsponsored by Entrepreneurship Development Institute of India under the aegis of the Department of Science and Technology (DST) & National Science &Technology Entrepreneurship Board (NSTEDB), Government of India from 28 to 30 December 2020.

The camp was inaugurated with the prayer of Goddess of wisdom Maa Saraswati. The first day of the camp was graced by the presence of the Chief Guest Prof Raghuvir Singh,Hon'ble Vice Chancellor,Teerthanker Mahaveer University, Moradabad, Prof.(Dr.) RK Dwivedi, Director and Principal, FoE&CS and Key Note Speaker Shri Mahendra Kumar Gupta, CEO iNurture Incubation Foundation, Entrepreneur Motivational Instructor. Chief Program coordinator Mr. Pradeep Kumar Verma welcomed all the guests with basil plant.

At the beginning of the camp, Prof. R.K. Dwivedi enlightened the students with a detailed discussion about the importance of entrepreneurship camp. He explained that the government and non-government organizations are conducting awareness campaigns in universities for promoting entrepreneurship and self-reliance. He also shared with students the success story of entrepreneur Bill Gates, co-founder and president of Microsoft. He told the students that a successful entrepreneur must possess qualities like self-confidence, decision-making ability, leadership ability.

After this, the Chief Guest of the program, Prof. Raghuvir Singh, Hon'ble Vice Chancellor, Teerthanker Mahaveer University said that new thinking, better vision and workability give birth to a great entrepreneur. He shared inspiring success stories of the founders of the company like Birla, Reliance, Paytm. He also explained the reasons why some newly established businesses fail.Since India is a developing country, we should contribute in the GDP of the country by creating jobs. Thekey note speaker of the day Mr. Mahendra Gupta, Entrepreneur Motivational Instructor, said that the problems of the society in which we live, should be solved according to our ability using technology.He said that we understand economics and technology as two different poles, but until technology students have knowledge of economics, we will not get new startups from them. He said that if the new energy and new ideas of students get the right direction, then the problem of unemployment can be overcomed to a large extent. In the concluding ceremony of the first day of the camp, the Principal Prof. Dwivedi presented a memento to Mr. Mahendra Gupta.

Prof. R.K Dwivedi, Shri Mahendra Kumar Gupta, Prof. Raghuvir Singh

Keynote speaker of the second day of the camp, Mr. Vikas Yadav, Deputy Manager, State Bank of India, discussed in detail the financial aspects required to start the startup. He explained how the startup is different from traditional business. Mr. Yadav apprised the students about various schemes of the Government of India and banks regarding financial cooperation to encourage new business.

After this, Mr. Ajay Sethifounder and Mr. Nitin Sagar Developer ParkPlug app., shared their journey of startup with participants. Both of them are the alumni of the institution. They discussed how their ParkPlug-started and ranked 32nd in Play Store's successful app. Students were also encouraged to see their seniors as successful entrepreneurs.

On the last day of the workshop, Ms. Neha Anand, Assistant Professor in the Department of Humanities-FoE, made students aware about the usefulness of international language in business. Ms. Anand conducted many interesting activities. In which the students participated with great eagerness and appreciated them.

In the valedictory function of the camp, Professor (Dr.) RK Dwivedi distributed certificates to the students and appreciated the efforts of Chief Program Coordinator Mr. Pradeep Kumar Verma, Asst. Prof. EE Department and his team members Mr. Ankit Sharma(Asst. Prof. CE Department), Mr. Vineet Jaiswal (Asst. Prof. EC Department), Mr. Arun Kumar (Asst. Prof. ME Department), Mr. Umesh Singh (Asst. Prof. EE Department) and Mr. Gopal Kumar Gupta (Asst. Prof.Mathematics Department) for the successful event.

New Year 2K21 Welcome Bash

New Year's Day, a worldwide celebration day, is rejoiced with great enthusiasm by the entireworld since the first day of the Gregorian calendar, January 1, is universally acknowledged as New Year Day across the globe. Needless to say, New Year's Eve is a day on which people own mixed feelings wherein on one hand, it is a time to rejoice the end of the year gone by and to embrace what is in store in the New Year whereas on the other hand, many are those whowitness a sense of reminiscence as they reflect on the events that took place in their lives in the yester 12 months of the year. People welcome the year with a resolution of things they aspire to accomplish in the upcoming year.

Faculty of Engineering & Computing Sciences, TeerthankerMahaveer Universitybid a befitting farewell to the year 2020 by organizing a New Year 2k21 Welcome Bash followed by fun games, dance activities. The celebration was started with cake cutting ceremony.Organizing team relished a sumptuous food during the celebration. The menu for the same was planned by the team who made sure that it catered to the taste of everyone present over there. After enjoying the delicious food, members of FoECS family participated in many fun activities including musical chair.

The funfilled celebrations came to end with special wishes from Prof.R.K.Dwivedi, Director & Principal FoECS for New Year 2k21. Prof.Dwivedi opined, "May the magic of a new beginning rejuvenate and glint our lives to rearrange the inner divinity and manifest our innate enlightenment! As the New Year begins and the old one ends, we would love to celebrate with altogether. It's time to say Good Bye to 2020 and welcome the New year 2021."

The celebration was well coordinated by Ms.NehaAnand,Dr.ZareenFarooq, Dr.SoniaJayant, Ms.InduTripathi, Mr.PawanShukla,Mr.RahulRathore.

New Year 2K21 Welcome Bash

AWESOME POWER POINT PRESENTATION TIPS FOR STUDENTS

PROFESSOR ASIM AHMAD DEPARTMENT OF CHEMISTRY FOE&CS

Power point presentation is an art to present knowledge effectively to the audience . We know that as a student you are in a constant process of learning . In this article , I would like to help you by shedding a light on some creative ways to present a project.

• HOW TO MAKE A GOOD POWER POINT PRESENTATION

First , you may want to understand the topic you are trying to present. Gather information and create a Word document first, then you can proceed to your Power point slides. Some time it's easier for you to outsource creating the presentation , but I shall recommend the students to prepare Power point by your own efforts. Your hard work will boost your presentation skills.

• USE A DESIGN TEMPLATE

You might think of Power point presentation ideas. Or you may be tempted to make a colorful presentation. So many functionalities , you want to try and use them all . Do not overload your slides with lots and lots of contents, colors, pictures and text boxes.

• USE CONSISTENT FONTS AND COLORS

Every slides must look attractive and must be easy to read fonts and stick to it. The same for colors . Do not make a salad of fonts and colors.The mixture will overload the audience and presentation will be hard

• LIMIT THE NUMBER OF YOUR SLIDES

A wonderful presentation depends on the consistency of your slides.It's true . But it also depends on the number of your slides. If you will rush through an unlimited number of slides , how much information will be retained ? As a student , you may not have so much experience delivering presentations. But try limiting your number of slides accordinglyto the length of your presentation . The simple rule is one slide per minute.

• DO NOT USE A LOT OF TEXT

You must focus on the main points and explain the point by your knowledge. This practice will attract the audience. Try not to use more than six lines of text per slide . Try not to use six words per line.
More space between lines will make audience easier to read.

- **HIGH LIGHT IMPORTANT KEYWORDS**

Use some tricks to high light keywords from your lines. Use bold to catch the attention of the audience. But try to avoid using all the capital letters for a word. For excellent presentation follow your teacher's tips to make it more interesting and impressive .

- **USE CONTRASTING COLORS**

To increase the readability of your text , use contrasting colors for text and back ground . It is easier to set a light back ground and use dark colors for your fonts.

- **SPECIAL EFFECTS**

Add special effects to your text , you can add videos , music to have a change and to have more attention of the audience .There are lots and lots of effects that can glitter your presentation. You must focus more on your presentation for better delivery.

- **USE IMAGES TO HIGH LIGHT IDEAS**

The images are the best tool to explain the things in a easy way . This will be more effective for the audience. If suppose you are presenting on religion . Put images of Temple, Mosque, Guru Dwara , Church etc.

- **DO NOT READ FROM YOUR SLIDES**

You must prepare your topic very well and you must have enough knowledgeto speak on the prepared slide. The slides are made for the audience to draw their attention only. Try to ask from the audience some open questions. This will enhance your interaction and even you may gain new energy to proceed further for excellent delivery. During your presentation , you must keep eagle eyes to have some innovativeidea. Correlate with interesting discovery . It will divert the concentration towards more fruitful ideas . The audience will start thinking to answer the innovative idea.

- **DO NOT TURN YOUR BACK TO THE AUDIENCE**

Never turn the back to your audience ,either. The presentation is for them .So try to control your emotions and give the best out of you. You have not have nothing to be afraid of.

- **USE ALL THE TOOLS AVAILABLE**

You must use laser pointer to draw the attention of audience. This is easy for the audience to concentrate on that part of slide.

- **USE STORIES TO PROVE SOME POINTS**

We must get close to your audience . It is important to use special effects to catch their attention . But to get close to them you must humanize yourself. By telling them stories you may get better connection withaudi-

ence. Involve them with your emotions and keep on attracting for easy presentation.

- **TAKE PAUSES**

Make the structure of your speech in mind. A few seconds of silence with smiling face will help you to organize your thoughts.

- **VARY YOUR TONE**

A great way to highlight keywords , besides formatting your text , is your voice tone . Use all your body capacities to your advantage . You can go from serious to funny one or from low to high tones. A great presenter knows when to alternate them in order to emphasize key ideas.

- **BE A MASTER IN YOUR TOPIC**

The presenter must have full command over the subject. The Q&A part divert the attention of the audience. Some of the audience ask questions. Give them clear and transparent reply for their satisfaction.

- **THE RULE OF THREE**

Draft some ideas that you want your audience to remember. Keep high lighting them during your speech and put an emphasis on them .Repeat your important points to discuss. Assure them for best out comes.

- **PREPARE YOUR BACKUP**

Attract the audience by video, music or Broke a joke or Shaeri.

- **SHOW YOUR PERSONALITY**

Personality plays an important role to involve the audience. You must be well dressed and enough good in your communication skills. You must have command over speaking good English . Hence your knowledgeable presentation and language will develop positive impacts on the listeners.

- **HOW TO CONCLUDE A PRESENTATION**

You might have thought how to end a presentation. There are many ways to end a Power point presentation. One of the best way is to end with an open question. In this way the audience will be engaged in discussion and you may have best opportunity to finish the topic or give them laughter by any joke or Hindi /Urdu shaeri.

CONCLUSION

The conclusion become easy to under stand if audience showing their satisfaction . If they are more interested to ask you more questions. If you are getting round of applauses in the end of your presentation. The voice system and mike must be of good quality to get more involvement of the audience. The imperfect sound system will even spoil your good Power Point presentation prepared for them.

By PROFESSOR ASIM AHMAD
DEPARTMENT OF CHEMISTRY, FOE&CS

CALL FOR RESEARCH PAPER AND WRITING REPORT ON INNOVATION , 31 DEC, 2020

Chief guest--Professor R.K .Dwivedi, Director and Principal FOE& CS, TMU Key note Speaker--- Dr. Diptonil Banerjee, Assistant Professor Department of Physics, TMU
Organizer-- Department of Chemistry, TMU under the aegis of IIC, Inspired by Mr. Pradeep Verma ,President IIC.

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Convener------- Dr. Asim Ahmad and Dr. Varun Kumar Singh,HOD
Audience------- M.Sc & B.Sc students of Physics, Chemistry & Mathematics
Supporting team—Dr. Amit Sharma, Dr. Ajay Upadyaya, Dr. Vishnu Prasad, Dr. Diptonil Banejee, Prof. S.P. Pandey, Dr. Navneet Kuma, Dr. K.A . Gupta, Dr. Nitin Sharma, Dr. A.D.Tripathi, Dr. Ashok kumar, Dr. Ajit Kumar, Dr. Ajay Chakravarty, CCSIT(ZOOM INCHARGE)

This was a pleasant day when Dr. Asim Ahmad started the Webinar after joining the chief guest , Prof. R.K.Dwivedi , Director & Principal , FOE & CS, faculty members and students. Dr. Asim Ahmad with the name of Eshwar , Allah and blessings of Ma Saraswati , offered good morning to Chief guest and
every one present on line. He offered cordial and genial welcome to Professor R. K. Dwivedi , chief guest , Dr Diptonil Banerjee , Key note speaker, distinguished HOD's , Professors , faculty members and all students of M.Sc and B.Sc of Physics, Chemistry and Mathematics. This was highly excited when Dr. Asim Ahmad invited Professor R.K.Dwivedi to share the valuable views on " CALL FOR RESEARCH PAPER AND WRITING REPORT ON INNOVATION ". Professor R.K. Dwivedi motivated the participants and gave very useful inputs for the benefit of students. He informed about the funding agencies and tips for completing the application form funding. He also added that the growth of any university and institution depend upon the quality research work and innovation . He also gave emphasis to create useful technology and making an impact by patenting the inventions. After the blessings and useful information , Dr. Asim Ahmad spoke words of appreciation to Professor R.K.Dwivedi and welcomed Dr. Diptonil Banerjee as key note speaker . Dr. Diptonil Banerjee focused on the topic , CALL FOR RESEARCH PAPER AND WRITING REPORT ON INNOVATION . He shared the PPT and explained every point of writing research paper in a very systematic way.He also explained about the impact factor of journals and its importance. Dr. Diptonil also focused on citations and gave emphasis for the quality research work . Every point of writing research paper was explained in scientific way . The receivers of this webinar were fully satisfied and expressed happiness for this great information .
Lastly Dr. Asim Ahmad expressed gratitude and thanks to Professor R. K . Dwivedi, Principal , Mr Pradeep Verma, HOD's Physics , Chemistry and Maths, Mentors of various classes, Dr Ajay Upadyaya , Dr Vishnu Prasad and entire team and every one for support and co-operation , to all the Students for their whole hearted support to make this webinar as fabulous and useful event for everyone. Dr. Asim Ahmad expressed special thanks To Professor R. K . Dwivedi for giving proper training for organizing Webinars , Conferences and seminars. This is Great achievement for every one.
Written by
Dr Asim Ahmad

Know What Your Credit Card's Statement Says?

Mohd Saleem Assistant Professor

Credit cards have become a major and important part of our lives. A credit card statement is a detailed description of our credit card usage. It contains information about your payment, purchase, credit balance, reward point etc. Most of the people do not read the rest of the statement properly except to see the balance. Let me tell you that reading this information can be beneficial for you. Can you think of paying for such a transaction, which you have never taken advantage of?

Experts say that reading a credit card statement can help you detect suspicious transactions. Credit cards are often seen as something from which you can buy anything with one click, while doing this we forget how much debt we are collecting on our heads. For this reason, by reading these statements carefully, we can understand our expenses better and organize our expenses. Along with this, you can also keep the information about your credit card score so that you may avoid taking additional debt. Another view of expert's says that if you are experienced in using credit cards, be it new, you will be able to understand your transactions better by reading your credit card statement. Keep these things in mind while reading your credit card statement.

Read these points carefully-

1. Statement due date - In this you should not get confused with payment due date. Statement due date is the date when your statement is issued. For late payment, the interest statement takes place from the first date of issue.
2. Payment due date - This is the date in which the outstanding amount has to be deposited with the card issuing company. Make the payment before the last date so that you don't have any problems later.
3. A grace period of 3 days is given after the end of the grace period-payment due date. Late payment penalty is levied for non-payment after grace period.
4. Minimum Amount Due - This is the percentage of the outstanding amount (about 5 percent) or the lowest amount (a few hundred rupees) that has to be paid to save late fees. Until you settle it completely, interest will be charged on the outstanding amount, even if you have filled the minimum amount.
5. Total Amount Due - The total amount due shall not only include the amount spent in the previous month, but also any applicable interest or late payment charges, dues from previous bills, service charges, over drain charges, transaction fees, Cash advance fees etc. are included. The annual fee of your credit card will also be included in the total amount payable.
6. Billing Cycle - This is the period between two consecutive statement dates. Generally, the billing cycle duration is 30 days. All transactions made during those 30 days will appear in the credit card statement.
7. Transaction Details - This is a list of all transactions done using a credit card, including both in-store and online. This will include dates, details and transaction value. To ensure that something is not missed, it is important to read it carefully. Another important reason to study your transaction list is to analyze your spending habits and be alert for more savings in the long run.

Medica Corner

टेक्नोलॉजी और रिसर्च को मानवता और पिछड़ों को करें समर्पित

शिक्षाविद बोले, भौतिकी के शोधार्थियों के लिए मील का पत्थर साबित होगी कॉन्फ्रेंस

टीएमयू में लिया संविधान अनुपालन का संकल्प

टीएमयू स्टूडेंट्स रामानुजन के जीवन से लें प्रेरणा

टीएमयू के अटल महोत्सव में छात्राओं का जलवा

एल्युमिनाई के अनुभवों से टीएमयू के छात्र हुए ऊर्जावान

टीएमयू में होगी वर्चुअल एफडीपी, गूगल देगा प्रशिक्षण

उत्तर केसरी अपना महानगर

इंडस्ट्रियल रिवॉल्यूशन ने उपलब्ध कराए जॉब के हजारों अवसर

इन्नोवेशन में टीएमयू को दीपावली गिफ्ट

रिसर्च एंड डेवलपमेंट प्रतियोगिता में टीएमयू ने लहराया परचम

मुरादाबाद : तीर्थंकर महावीर यूनिवर्सिटी ने नार्दर्न इंडिया रिसर्च एंड डेवलपमेंट प्रतियोगिता में अपना परचम लहराया है। एफओईसीएस के निदेशक एवं प्राचार्य प्रो. राकेश कुमार द्विवेदी ने बताया कि मिनिस्ट्री ऑफ एजुकेशन, एमओई इनोवेशन सेल, इंस्टीट्यूशन इनोवशन काउंसिल और एआइसीटीई के संयुक्त तत्वावधान में आयोजित इस रिसर्च एंड डवलपमेंट प्रतियोगिता में 126 संस्थानों ने शिरकत की थी। इसमें टीएमयू के कॉलेज ऑफ कम्यूटिंग साइंसेज ने 17वां व इंजीनियरिंग कॉलेज ने 21वां स्थान हासिल किया है। कुलाधिपति सुरेश जैन, ग्रुप वाइस चेयरमैन मनीष जैन और मेंबर ऑफ गवर्निंग बॉडी अक्षत जैन ने सभी को बधाई दी। जास

Faculty of Engineering & Computing Sciences

N.H. 24, Delhi Road, Moradabad, Uttar Pradesh 244001

Web: www.tmu.ac.in Phone: +0591 236 0500 Email: university@tmu.ac.in

Chief Editor:
Dr. Rakesh Kumar Dwivedi
(Principal & Director FOECS, TMU)

Editor:
Ms. Inderjit Jeetey (Asst. Professor, TMU)
Mr. Nikhil Saxena (Sr. Office Excutive))

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