



A Voice of an effort...

CCSIT idea factory

Computing Vision

Volume 6, Issue 1

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A Student Magazine



Upcoming Event

9th International Conference
SMART - 2020
System Modeling & Advancement
in Research Trends



Faculty of Engineering
& Computing Sciences

Organizing

04-05 December, 2020



IMPORTANT DATES:

Paper Submission Deadline : 25th September, 2020
Acceptance Notification : 10th October, 2020
Camera Ready Due : 20th October, 2020

SMART CONFERENCE PROCEEDING LINKS:

<https://ieeexplore.ieee.org/xpl/conhome/9109426/proceeding> (SMART 2019)
<https://ieeexplore.ieee.org/xpl/conhome/8743349/proceeding> (SMART 2018)
<https://ieeexplore.ieee.org/xpl/conhome/7891863/proceeding> (SMART 2016)

**PAPER SUBMISSION
DEADLINE
25th September, 2020**

<https://smart2020.tmu.ac.in>

SUBMISSION & PROCEEDINGS PUBLICATION

Prospective authors are encouraged to submit their paper through easy chair. Submission must be plagiarism free and not more than six pages in IEEE format.

Online Submission Link:

<https://easychair.org/account/signin?l=6eieXbEUdjKzg9ryOUf6j2#>

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VISION

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

MISSION

Our endeavor is to impart knowledge and develop critical skills necessary to succeed both in professional and personal life by promoting learning supported by world-class faculty, infrastructure, technology, curricula and collaborative teaching and research with premier institutions in India and abroad.



Focus

In our quest to make the university a destination for world-class education, following nine-fold priority areas have been identified for actions: Teaching and Learning: Create conducive environment for an interactive and application oriented experiential learning. Research: Foster research orientation in students and faculty in basic and applied areas in all disciplines. Consultancy Services: Take academic proficiency to corporate and community by providing cost effective solutions People: Make Teerthanker Mahaveer University a preferred destination for work and study. Global Perspective: Encompass a national and international viewpoint into teaching, research and consultancy. Good Governance: Bring transparency and accountability in university operations. Social Relevance: Position itself as a catalyst for social change. Entrepreneurial Culture: Nurture entrepreneurial capabilities to accelerate growth. Sports and Culture: Provide ample opportunities to develop sportsmanship and love for culture and national heritage



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.



Webina on “Artificial Intelligence & Data Science”

“Artificial Intelligence & Data Science” Organized by Faculty of Engineering & Computing Sciences, Teerthanker Mahaveer University, Moradabad in partnership with Cetpa Infotech, Noida on 22nd July, 2020.

Patron

Prof. Raghuvir Singh

Officiating Vice Chancellor
Teerthanker Mahaveer University
Moradabad



Webinar Coordinator

Mr. Ankur Sisodia
Assistant professor
Faculty of Engineering & Computing Sciences
Teerthanker Mahaveer University
Moradabad



Mrs. Swati Vishnoi

Assistant professor
Faculty of Engineering & Computing Sciences
Teerthanker Mahaveer University
Moradabad



Keynote Speaker

Prof. Rakesh Kumar Dwivedi

Director & Principal
Faculty of Engineering & Computing Sciences
Teerthanker Mahaveer University
Moradabad



Mr. Rahul Pathak

Expert in AI
Cetpa Infotech, Noida



Aim of the Webinar

In the global pandemic situation of Covid-19, CCSIT organized a one day webinar for the students, faculty members and researchers on Artificial Intelligence & Data Science to give brief knowledge about the subject and also discuss the career opportunities and the research options in the field of AI & Data Science. The main motive of the webinar was to make the participants aware of how artificial intelligence can help to detect COVID-19 patients. For this, they use X-Ray of COVID-19 patients to detect whether he is positive or negative. In this webinar, we also aimed to inform the participants about the different technologies and platforms used in the field of Data Science and future perspective of AI & Data Science.

About the Webinar

The Faculty of Engineering and Computing Sciences, Teerthanker Mahaveer University, Moradabad provided an opportunity for its teachers and students to learn while sitting at home in the difficult situation of the global pandemic COVID-19. For this, a one day webinar on the subject "Artificial Intelligence & Data Science" was organized on 22nd July, 2020 under the joint aegis of IEEE-Uttar Pradesh section of the College and CSI-Noida.

This online webinar was launched by Hon'ble **Vice Chancellor Prof. Raghuvir Singh, Director & Principal, FoE&CS, Prof (Dr) R K Dwivedi, Head of the Department Dr. Ashendra Kumar Saxena**, Webinar Partner Cetpa Infotech, and the Co-ordinator of this online webinar were Mrs Swati Vishnoi and Mr. Ankur Sisodia. 400 teachers, researchers and students from all over the country participated in the Webinar.

Prof. Raghuvir Singh, Hon'ble Vice Chancellor, in his address gave a brief introduction of Artificial Intelligence & Data Science. He explained how we can use Artificial Intelligence & Data science in our daily life and how it would be beneficial to us in near future. He welcomed all the keynote speakers, participants, and congratulated all the coordinators and conveyed his best wishes for the success of the webinar.



Hon'ble Vice Chancellor Prof. Raghuvir Singh

In the first session, **Prof. Rakesh Kumar Dwivedi, Director & Principal, Faculty of Engineering & Computing Sciences, Teerthankar Mahaveer University** thanked to the officiating Vice Chancellor for their enlightening words and addressed all the participants and organizers. In this webinar, He also contributed as a Keynote Speaker and briefed about the Data Science. First of all he gave a detailed knowledge of data science and explained how we can use data science in various algorithms, processes, scientific methods, he also explained how data science is related to data mining, deep learning, and big Data. He also told that data science is a combination of different technologies and facts of mathematics, statistics, computer science, domain knowledge and information science. Then he also told about future job prospects in relation to data science, in which he also highlighted job opportunities like data engineer, data analyst, data consultant, and data architect.

Subsequently, he explained the various programming languages used in data science such as Python, R, Julia and also explained how we use various frameworks of data science such as Tensor Flow, Apache, Hadoop and various platforms such as Metalab, Anaconda, RapidMiner Etc. can be used. And he explained how we can connect academics and industry with the help of data science. In his address, he also gave information about the running courses and specialties of Teerthankar Mahaveer University.

During the second session, Mr. Rahul Pathak, Keynote speaker of Cetpa, who is an expert in Artificial Intelligence, started his session with addressing the participants and share the brief knowledge of Artificial Intelligence. In detail, the technical techniques like natu



Prof. Rakesh Kumar Dwivedi, Director & Principal, FOCS

ral language processing, machine learning, deep learning, predictive modeling or pattern recognition were explained to the participants and specifically highlighted their differences. He also gave detailed information about how we can use Artificial Intelligence in business applications. He also informed the participants about how we can use Artificial Intelligence to handle the data of a company and how to use this data to help in the decision making of the company. And he used many case studies to explain these facts to the participants. He then described the practical use of Artificial Intelligence, in which he used Python programming to identify how COVID-19 can be identified with the help of Artificial Intelligence. For this, he used X-ray of COVID-19 patient to find out whether he is positive or negative.

At the end of the Webinar, both the coordinators Mrs. Swati Vishnoi and Mr. Ankur Sisodia thanked to all the honorable guests, keynote speakers, Head of Department Dr. Ashendra Kumar Saxena, participants, and also the supporting partner Cetpa Infotech. Mr. Ankur Sisodia said that after successful completion of this online webinar, all the participants will also be given certificates.



PROFESSOR ASIM AHMAD ODEPARTMENT OF CHEMISTRY Fo & CS

AWESOME POWER POINT PRESENTATION TIPS FOR STUDENTS

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 accordingly to 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 KEY-WORDS**

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 knowledge to 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 innovative idea. 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 with audience. 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 com-

munication 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 understand 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 qualityto get more involvement of the audience. The imperfect sound system will even spoil your good Power Point presentation prepared for them.**By PROFESSOR ASIM AHMADDEPARTMENT OF CHEMISTRY, FOE&CS**

Virtual Celebration of Engineers Day

Virtual Celebration of Engineers Day Faculty of Engineering & Computing Sciences

Teerthanker Mahaveer University Moradbad. For any educational institutions ;There's nothing we believe in more strongly than getting young people interested in science and engineering, for a better tomorrow, for all humankind." Faculty of Engineering and Computing Sciences, Teerthanker Mahaveer University, Moradabad greets you Happy Engineers Day.



Engineers Day Faculty of Engineering & Computing Sciences

**International Webinar on “DATA ANALYTICS” Organized by
Faculty of Engineering & Computing Sciences,
Teerthanker Mahaveer University, Moradabad
in partnership with Unitieup, Chennai on 23 July, 2020**

Patrons

Prof. Raghuvir Singh
Vice Chancellor
Teerthanker Mahaveer University Moradabad



Prof. Rakesh Kumar Dwivedi
Director & Principal
Faculty of Engineering & Computing Sciences
Teerthanker Mahaveer University Moradabad



Webinar Coordinator:

Mr. Ankur Sisodia
Assistant Professor
Faculty of Engineering & Computing Sciences
Teerthanker Mahaveer University
Moradabad



Webinar Deputy Coordinator:

Mrs. Swati Vishnoi
Assistant Professor
Faculty of Engineering & Computing Sciences
Teerthanker Mahaveer University Moradabad



Mr. Aaditya Jain
Assistant Professor
Faculty of Engineering & Computing Sciences
Teerthanker Mahaveer University Moradabad



Webinar External Coordinator:

Mr. Ashok Kumar Manimaran
Founder of Uniteup Chennai



Keynote Speaker:

Mr. Kalyan Kumar Guntha
Founder & CEO
Align Associate Dubai, UAE



Number of participants – 350

Aim of the Webinar

In a hard time of Covid-19, CCSIT organized an International webinar for the students, faculty members and researchers on Data Analytics to discuss the career opportunities and also the research options in the field of Data Analytics. The main motive of this webinar was to fill the gap between industry and academia. Through this webinar, the organisers tried to brief

all the participants how the Data Analytics perform with the help of bots in industry. It also provided a platform to both students and faculty members to interact with the industry professionals would be helpful in their future growth.

About the Webinar

The Faculty of Engineering and Computing Sciences, Teerthanker Mahaveer University, Moradabad provided an opportunity for its teachers and students to learn while sitting at home in the difficult situation of the global pandemic COVID-19. For this, an International Webinar on the subject “Data Analytics” was organized on 23rd July, 2020 under the joint aegis of IEEE-Uttar Pradesh section of the College and CSI-Noida.

This online webinar was launched by Prof Raghuvir Singh, Hon’ble Vice Chancellor, TMU, Prof R K Dwivedi, Director & Principal, FoE&CS, Dr Ashendra Kumar Saxena Head of Department, Mr. Ashok Kumar Manimaran, the chief guest of the webinar and founder of Unitieup, Keynote Speaker Mr. Kalyan Kumar Guntha, Founder and CEO of Align Associates and the coordinators of this online webinar were Mr. Ankur Sisodia, Mrs. Swati Vishnoi and Mr. Aditya Jain. 350 teachers, researchers and students from all over the country participat-

ed with online registration.

Prof. R K Dwivedi, Director & Principal, FoE&CS, TMU welcomed all the participants, keynote speakers, chief guest and the members of the organizing team in his address. He explained how we can connect academics and industry with the help of Data Analytics and Data Science. He also briefed about the different courses offered in Teerthanker Mahaveer University.

The Chief Guest, Mr. Ashok Kumar Manimaran, thanked Prof R K Dwivedi and the organizing team. He threw light on the different characteristics of Unitieup.

The Keynote Speaker, Mr. Kalyan Kumar Guntha, presented his views on data analytics, in which he explained that this Data Analytics is the science of analyzing raw data in order to make conclusions about that information. He described the difference between trade and financial risk by presenting different facts through case studies. He further outlined several ex-

amples of business in present scenario by explaining the role of machine learning in Data Analytics. He told how we can use bots in real time governance; risk monitoring and how they can be used as tools in ERP system. In his address he highlighted that we can analyze the performance of any corporate company using data analytics. And along with this, he gave information about metric based business analysis. He also told how we can use data analytics in automated monitoring with the help of a bot. While presenting several models, he gave information about business trends of the company, applied data analytics into it and told about the future growth of the company in relation to Data Analytics. He also talked about the benefits of different types of concepts of data analytics. He inspired participants to develop new business models by using new technologies like Cloud, IoT, R-Studio etc. to start a new type of business and make Prime Minister Narendra Modi's self-reliant India a big success. Finally, he termed data visualization as the best place of analytics.

At the end of the Webinar, Mr. Ashok Kumar Manimaran, founder of Unitieup, expressed gratitude towards the keynote speaker, Shri Kalyan Kumar Guntha, Vice Chancellor Prof. Raghuvir Singh, Director & Principal FoE&CS Prof. R K Dwivedi and the members of the organizing team. He motivated the students, teachers and educational institutions to join Unitieup and apprised them about the benefits of it. Mr. Ashok Kumar Manimaran informed that after the successful completion of this online webinar, all the participants will be given certificates.



Director & Principal FoE&CS Prof. R K Dwivedi

“Understanding AutoCAD for beginner”



Two Days online webinar titled “Understanding AutoCAD for beginner”

Two Days online webinar titled “Understanding AutoCAD for beginner” was organized by FoE&CS, TMU, Moradabad. In this webinar, various important things from important commands to sketching and 3D modelling were described in detail. The resource person Mr. Ambrish Gupta, Senior Engineer, CADD Centre, Bareilly trained all the participants. Prof. R.K. Dwivedi, Director and Principal FoE&CS appreciated the initiative for organizing such a wonderful Webinar.

On the first day of the program, the brief description of the AutoCAD software and its important sketching commands and functions like Line, Circle and Rectangle etc. were highlighted and different ways to draft each of them was also explained. The command to modify the sketches, command like, Mirror, Trim, Expand, Break etc. were explained in detail. On the second day, he showed how to

draft more assignments using many useful and complicated commands. How to draft the 3d modelling and commands like EXTRUDE, PRESSPULL, LOFT etc. were also taught. A few assignments were given to the participants for practice. There were a few tutorials to change planes on a 3d model by changing the position of UCS.

The workshop was attended by students and faculty of FoE&CS as well as from other universities. 350 participants attended the webinar. Certificates were distributed to all the participants.

Mr. Jyoti Ranjan Labh, Mr. Ankur Chaudhary, Ms Shikha Gambhir, Ms. Hina Hashmi, Mr. Satendra Arya, Dr. Rajeev Kumar, Tarun and Shrishti worked very hard and made this webinar a huge success.

'Implementation of Solid Waste Management Rules'

Department of Civil Engineering, FoE&CS, TMU, Moradabad organised a Technical Webinar on the topic "Implementation of Solid Waste Management Rules" for the awareness of the students of B.Tech civil engineering, faculty members and industry persons successfully, via MS Team platform on 14th July, 2020.

The webinar commenced with a welcome address by Prof. R. K. Jain, Head, Civil Engineering Department, FoE&CS, TMU, Moradabad in which he welcomed the Chief Guest Er. Mohan Balwant Dagonkar, Retired Additional Municipal Commissioner, Navi Mumbai and Mr. Shantilal Jain, President, Indian Society of Structural Engineers. Prof. Jain told about the ongoing courses in TMU and about the Civil Engineering Department. He highlighted the work of Indian Society of Structural Engineering, what is solid waste and how to manage it environmentally. The webinar was presided over by Dr. Ravi Jain (Prof. & HoD, Civil Engg.) in the presence of Prof. (Dr.) S.R. Ali, Mr. A.K. Pipersania, Mr. Ankit Kumar Sharma, Mr. Siddharth Mathur, Dr. Shekhar Saxena, Mr. Amit Kumar, Ms. Nisha Sehla, some industry persons and the curious students.



Implementation of Solid Waste Management Rules

After the welcome of the guests, an expert talk was held in which Chief Guest Er. Dagonkar told how he had transformed a big garbage site into a beautiful park. He shared his experiences and knowledge about solid waste management with the students and also gave them suggestions.

This Webinar provided the opportunity to the students to know about the problem of solid waste and their responsibility to manage it. Department is thankful to Prof (Dr) R K Dwivedi, Director and Principal FoE&CS for the approval and guidance in conducting this workshop successfully.



Smart India HACKATHON 2020

Smart India Hackathon is world's largest innovation platform that provides platform to students of higher educational institutes situated pan India for showing their innovation skills and solving the problems faced by society in general. SIH 2020 was the fourth edition of Smart India Hackathon whose earlier editions proved to be extremely successful in promoting innovation, out-of-the-box thinking in young minds especially engineering students from across India. In SIH 2020, the students would have the opportunity to work on challenges faced within various Ministries, Departments, Industries, PSUs and NGOs to create world class solutions for some of the top organizations including industries in the world, thus helping the Private sector hire the best minds from across the nation.

Three teams of FOICS were selected in the grand finale of "Smart India Hackathon 2020 - Software Edition" held from August 01 to August 03, 2020. This grand finale was inaugurated on 01 August 2020 by Shri Ramesh Pokhriyal Nishank, Minister of Human Resource Development and Shri Sanjay Dhotre, Minister of State. After this, around 220 teams selected for the Smart India Hackathon 2020 from all over the country worked on the given problem statement. Each day the jury members of the Smart India Hackathon 2020 assessed the work done by these teams twice a day in the morning and evening. The problem statements were given by various ministries of the central and state governments, public sector units, non-government institutions and corporate houses, which were worked by students studying in institutes of technology across India. In the eve-



Smart India HACKATHON 2020

ning of August 01, 2020, at 04:30 PM, Hon'ble Prime Minister Shri Narendra Modi addressed the students attending the Grand Finale of Smart India Hackathon 2020. He called upon these talented students to make India self-reliant and said that they can place India among the top 10 countries in the world in the field of innovation and technology.

The Smart India Hackathon is being organized annually by AICTE and MHRD for the last 4 years. The Smart India Hackathon 2020 was edited in three stages. In which about five lakh students from all over the country participated in more than 65 nodal centers.

In the first phase, all the AICTE and MIC-IIC approved institutes of the country were organized in which the top 5 teams of the institute were selected for enrollment in the Smart India Hackathon 2020. In the second phase, all nominated entries were evaluated. Subsequently, four or 5 entries for each problem statement were selected for the Grand Finale of Smart India Hackathon 2020. In the third and final phase, this competi-

tion was conducted in virtual mode from 01 to 03 August 2020 in about 41 nodal centers.

On August 04, 2020, the results of the "Smart India Hackathon 2020" were declared as the winners of the teams of "TakeHackers" and "Technohackers" of FOECS. The team of Techhackers worked on the problem statement given by the Airport Authority of India and the second team Technohacker worked on the problem statement given by the Ministry of Agriculture, Government of Bihar. The TechHackers team has mentors Mr. Ashish Bishnoi and Mr. Rupal Gupta, while student members are Prerna Jain, Pushpane Chaudhary, Naman Gupta, Arjav Jain, Mohit Jain and Srishti Jain. Technohacker's team mentors Professor Rakesh Kumar Dwivedi and Mr. Rajendra Prasad Pandey, while Student Members are Arjav Jain, Narrated Jindal, Amar Aggarwal, Nancy Jain, Kunal Yadav and Ritesh Jain. Both the winning teams also earned the winning prize money of Rs.1 lakh each.

Achievement of our Engineering (CS branch) students. Three teams has touched the Pinnacle and reached to the final of Smart India Hackathon (SIH-2020). The biggest and largest worlds technical hackathon. The great initiative of Indian innovation Council (IIC) -MIC-AICTE-MHRD. Finally two teams , Tech Hackers led by Prerna Jain and TechnoHacker led by Arjav Jain have won the competition of SIH-2020(Software Edition).

It's big achievement. Keep it up. FoE &CS Teerthanker Mahaveer University Moradabad has established the benchmark in national frame.



Team Techno Hackers

All the best.

Team Tech Hackers

Total Selected Teams in Problem Statement For Grand Finale : 5

Organization : Airports Authority of India

PS Number : AK11

Problem Statement : A web based software is sought for fail-free operations of various CNS/ATM facilities, preventive maintenance is carried out on daily, weekly, monthly, six-monthly and annual basis.

Winning Amount : 1 Lakh

Team Members :

1. Prerna Jain
2. Pushpane Singh Choudhary
3. Naman Gupta
4. Aarjav Jain
5. Mohit Jain
6. Srishty Jain

Mentors :

1. Mr. Rupal Gupta

2. Mr. Ashish Bishnoi

Team Techno Hacker

Total Selected Teams in Problem Statement For Grand Finale : 4



Team Tech Hackers

Organization : Govt. of Bihar (DOA)

PS Number : PK417

Problem Statement : Developing a system or solution to provide a customized and precise land parcel specific fertilizer and input usage plan to reduce cost and maximize returns for the farmers.

Winning Amount : 1 Lakh

Team Members :

1. Arjav Jain
2. Varnit Jindal
3. Kunal Yadav
4. Reetesh Jain
5. Amar Agarwal
6. Nancy Jain

Mentors :

1. Dr. Rakesh Kr. Dwivedi
2. Mr. Rajendra P. Pandey

The academic culture of Faculty of Engineering and computing Sciences Teerthanker Mahaveer University Moradabad, is now giving good fragrance of their capabilities at National Frame. Congratulations and Best Wishes

Vishwakarma Jayanti



Vishwakarma Jayanti

Vishwakarma Jayanti is celebrated Faculty of Engineering & Computing Sciences, Teer-thanker Mahaveer University Moradabad. All Engineers worship this day of celebration for Vishwakarma, a Hindu God, the divine architect. He is considered as swayambhu and creator of the world. He constructed the holy city of Dwarka where Krishna ruled, the Maya Sabha of the Pandavas, and was the creator of many fabulous weapons for the Gods.

Tulsi Das Jayanti Celebration

On 27th July, 2020, the birth anniversary of the greatest Hindi poet, Tulsi Das was celebrated in FoE&CS with great zeal and enthusiasm. The entire staff gathered to pay tribute to the great saint. Prof (Dr) R K Dwivedi along with staff members paid floral obeisance to the idol of Shri Tulsi Das.

Prof (Dr) R K Dwivedi spoke volume of the work and achievements of Shri Tulsi Das. He shared that Shri Tulsi Das was noted for his teachings and Dohas. He preached everyone to abide by truth and live a truthful and honest life. Dr Pankaj Goswami in his speech remarked that 'Ramcharitmanas' composed by Shri Tulsidas is not just a volume but a complete science of Life Management. Dr R C Tripathi and Mr Amit Kumar also shared some of the interesting events associated with Goswami Tulsi Das.



Tulsi Das Jayanti Celebration

Among those who were present on the occasion included Dr Ashendra Saxena (HoD), Dr Shambhu Bharadwaj (Proctor), Dr Shakti Kundu, Dr Rajeev Kumar, Dr Arpit Jain, Dr Pankaj Goswami, Dr R K Jain, Dr Garima Goswami, Dr Mudita Juneja.

INAUGURAL FUNCTION FOR THE RELEASE OF S&T REVIEW On Dated 18/09/2020



The inaugural function of S&T Review journal

Chief Patrons	Shri Suresh Jain (Chancellor), Shri Manish Jain (GVC)
Patrons	Professor Raghuvir Singh, Vice Chancellor Professor R.K.Dwivedi, Principal & Director FOE&CS
Invited Guests	Professor Raghuvir Singh, VC, Dr Vivek Raman (Registrar), Dr P N Arora (HR), Dr Aditya Sharma (Joint registrar Governance), Dr Vaishali Dhingra (Joint Registrar Research), Dr Teekam Singh (Joint Registrar Academics) , Dr R N Krishnia, (Director , CTLD) , Dr Rajive Kumar, Coordinator IBM(Academic Collaborative partner of TMU) Distinguished faculty members from FOE&CS.
Editor -in- Chief	Professor (Dr) S R Ali
Associate Editors	Dr Arpit Jain, Professor Asim Ahmad, Dr Pawan K Singh, Dr Abhinav Saxena
Section Editor	Dr Zareen Farooq , Mrs Sakshi Singh, Mr Umesh Kumar Singh
Organizers	Professor Asim Ahmad, Dr Arpit Jain, Mr Namit Gupta, Dr Pawan umar Singh, Dr Abhinav Saxena, Dr Zareen Farooq, & Mrs Sakshi Singh
Anchoring	Prof.(Dr) Asim Ahmad
Venue	Administrative block , admission cell



The inaugural function of S&T Review journal

The inaugural function of S&T Review journal was scheduled on September, 18 in the evening at 3.30 PM. Dr Asim Ahmad welcomed the invited guests and offered a cordial and genial welcome to all the dignitaries. Dr Asim Ahmad requested Mr Namit Gupta to welcome Professor Raghuvir Singh, VC, by presenting a bouquet. Then Dr Asim Ahmad requested Dr Arpit to present a bouquet to Dr Vivek Raman, Registrar on this occasion. The social distancing was maintained due to Covid-19 during the program. Dr Asim Ahmad requested Professor Raghuvir Singh, VC, Professor R.K. Dwivedi to enlighten the lamp of Maa Sraswati as nothing can be completed without the worship & blessings.

The other guest also participated in worship, maintaining distancing. Dr Asim Ahmad requested Professor Raghuvir Singh to motivate the gathering on the inaugural function of S&T Review. Honorable VC congratulated the team of S&T Review and specially to Professor R.K. Dwivedi for his wonderful achievement. He also focused on interdisciplinary research and importance of citations. After his fabulous speech, Dr Asim Ahmad requested Professor R.K. Dwivedi to focus on the release of S&T Review. Professor R. K. Dwivedi



informed that this is an International Journal of Science & Technology. Its ISSN: No is 2231-5160. The publication of this journal was stopped due to some reasons. He told the gathering that this is a special issue, Vol.5, No-2, 2020. Now we assure the regular publication of this journal. Meanwhile, everyone received a cap from IBM. The Vice Chancellor distributed to the participants. A lot of applause and appreciation for such an event. Dr Rajive Kumar, Coordinator IBM, introduced the IBM program.

Lastly the wrapped copies of S&T Review were presented to all dignitaries to release the special issue of S&T Review and a photograph was taken on the release of this journal. Due to time constraints, the program was adjourned with a vote of thanks by Dr Asim Ahmad. Written by DR ASIM AHMAD

Result-Achievements

B.Tech. (ECE)

Well done!! Keep Going unmindful of the surroundings and issues. You will achieve what you want with passion & effort.

All the best to you all and team of electronics
Principal FOECS.



BSC-CS

Well done!! Keep Going unmindful of the surroundings and issues. You will achieve what you want with passion & effort.

All the best to you all and team of B.Sc. (Computer Science) led by Shri Abhilash Kumar ji and ably supported by Dr. Ashendra Kumar (Head)@ Faculty of Engineering and computing Sciences, Teerthanker Mahaveer University Moradabad-244001. Congratulations to all achievers.



MCA VI th Sem

Well done!! Keep Going unmindful of the surroundings and issues. You will achieve what you want with passion & effort.

All the best to you all and team of electronics
Principal FOECS.



B.Sc. Hons. chemistry VI th Sem

Well done!! Keep Going unmindful of the surroundings and issues. You will achieve what you want with passion & effort.

All the best to you all and team of electronics
Principal FOECS.



BSC-Animation

I am sure these achievements will catapult the energy and efforts of many other students in the Institute. Above all, you all have to double your efforts keeping in mind the positive results achieved.

Well done!! Keep Going unmindful of the surroundings and issues. You will achieve what you want with passion & effort

All the best to you all and team of Computer Graphics/Multimedia & Animation led by Shri Jyoti Ranjan ji.

BCA

It gives me great pleasure in recognizing and appreciating the massive efforts applied by; my Faculty colleagues who is involved in the teaching of B.CA. (final year-passing out -2020). I share my Kudos and congratulate the whole batch of B. C.A., 6th semester for these extra ordinary achievements in this pandemic situation of COVID-19.

Well done!! Keep Going unmindful of the surroundings and issues. You will achieve what you want with passion & effort.

B.TECH-Civil VIIIth Sem

I am sure these achievements will catapult the energy and efforts of many other students in the Institute. Above all, you all have to double your efforts keeping in mind the positive results achieved.

Well done!! Keep Going unmindful of the surroundings and issues. You will achieve what you want with passion & effort All the best to you all and team of Computer.

B.Tech Mechanical VIII th Sem

Well done!! Keep Going unmindful of the surroundings and issues. You will achieve what you want with passion & effort.

All the best to you all and team of electronics Principal FOECS.



Achievements



अनुशासन के बिना नहीं हो सकती लक्ष्य की प्राप्ति
मुरादाबाद: तीर्थंकर महावीर विश्वविद्यालय में शनिवार को फैकल्टी ऑफ इंजीनियरिंग एंड कम्प्यूटिंग साइंसेज की ओर से प्रथम वर्ष के विद्यार्थियों के लिए ऑनलाइन ओरिएंटेशन सत्र का शुभारंभ किया गया। इस मौके पर विवि के कार्यवाहक कुलपति प्रो. रघुवीर सिंह ने छात्र जीवन में अनुशासन की बात की। उन्होंने कहा कि कोई भी व्यक्ति ऐसा नहीं हुआ, जिसने अनुशासन के बिना अपने लक्ष्य में सफलता प्राप्त की हो। अनुशासन हमारे स्वास्थ्य के लिए भी बहुत जरूरी है। (जास)

टीएमयू के एफओईसीएस में मना इंजीनियर्स डे



टीएमयू के एफओईसीएस में मना इंजीनियर्स डे। छात्रों को प्रेरित करने के लिए विवि के अध्यक्ष प्रो. रघुवीर सिंह ने कहा कि अनुशासन ही है जो हमें सफलता की प्राप्ति में मदद करता है। उन्होंने छात्रों को अपने लक्ष्यों के प्रति प्रतिबद्ध रहने और अनुशासन का पालन करने का आग्रह किया।

टीएमयू की झोली में आए एक-एक लाख के दो अवार्ड

अगर उद्योगों में प्रगतिशीलता और नवाचार है तो हमें इन अवार्डों के लिए तैयार रहना चाहिए। टीएमयू के अध्यक्ष प्रो. रघुवीर सिंह ने कहा कि ये अवार्ड छात्रों को प्रेरित करने के लिए दिए जा रहे हैं। उन्होंने कहा कि छात्रों को अपने अध्ययन में उत्कृष्टता दिखाने और नए विचारों को अंजाम देने के लिए प्रोत्साहित किया जा रहा है।

शिक्षाविद खोले, नई शिक्षा नीति आशाओं का दीप
 शिक्षाविदों ने नई शिक्षा नीति के बारे में अपनी राय रखी। उन्होंने कहा कि यह नीति शिक्षा को और आगे बढ़ाने में मदद करेगी।

नई शिक्षा नीति आशाओं का दीप
 शिक्षाविदों ने नई शिक्षा नीति के बारे में अपनी राय रखी। उन्होंने कहा कि यह नीति शिक्षा को और आगे बढ़ाने में मदद करेगी।

स्मार्ट इंडिया हेकॉन-2020 में छाया टीएमयू
 टीएमयू के छात्रों ने स्मार्ट इंडिया हेकॉन-2020 में भाग लिया। उन्होंने अपने प्रोजेक्टों को प्रदर्शित किया।

टीएमयू में इंटरनेशनल बर्ड्सएन्ड्स जर्नल -एफएडीटी रिव्यू का विमोचन समाजोन्मुख अनुसंधान को वक्त की जरूरत



टीएमयू में इंटरनेशनल बर्ड्सएन्ड्स जर्नल -एफएडीटी रिव्यू का विमोचन समाजोन्मुख अनुसंधान को वक्त की जरूरत। डॉ. रघुवीर सिंह ने कहा कि यह रिव्यू शिक्षा के क्षेत्र में नए विचारों को प्रोत्साहित करेगा।

टीएमयू की झोली में एक-एक लाख के दो राष्ट्रीय अवार्ड

टीएमयू की झोली में एक-एक लाख के दो राष्ट्रीय अवार्ड। टीएमयू के अध्यक्ष प्रो. रघुवीर सिंह ने कहा कि ये अवार्ड छात्रों को प्रेरित करने के लिए दिए जा रहे हैं।

टीएमयू के एफओईसीएस में मना इंजीनियर्स डे

टीएमयू के एफओईसीएस में मना इंजीनियर्स डे। छात्रों को प्रेरित करने के लिए विवि के अध्यक्ष प्रो. रघुवीर सिंह ने कहा कि अनुशासन ही है जो हमें सफलता की प्राप्ति में मदद करता है।

विधि विद्यान से हुई भगवान विश्वकर्मा की पूजा- अर्चना

विधि विद्यान से हुई भगवान विश्वकर्मा की पूजा- अर्चना। टीएमयू के छात्रों ने भगवान विश्वकर्मा की पूजा की।



patent

Outstanding achievement, of Electronics and Communication Branch (ECE) students of Faculty of Engineering & Computing Sciences, Teerthanker Mahaveer University Moradabad. This is the result of immense zeal applied to a great idea. Congratulations to all....



Amar Ujala on Youth Day.

Special achievement with Special recognition of student Team of Faculty of Engineering and computing Sciences, Teerthanker Mahaveer University Moradabad. Well recognized by Amar Ujala on Youth Day. Well done!. Keep Going...

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