

Faculty of Engineering & Computing Sciences

COMPUTING VISION

A Student Magazine

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CCSIT idea factory

A Voice of an effort...









TOYCATHON-2021

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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.

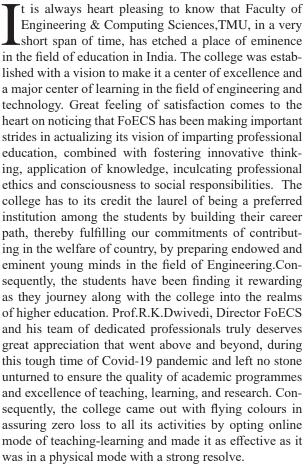
Entrepreneurial Culture: Nurture entrepreneurial capabilities to accelerate growth. Sports and Culture: Provide ample opportunities to develop sportsmanship and love for culture and national heritage

Message Board



Shri Suresh Jain

Shri Suresh Jain, Hon'ble Chancellor, TMU



Recently the college added another feather to its crown by being ranked 14th in the category of Engineering Colleges of Excellence in all over India and 10th rank amongst all Engineering Colleges in UP.

I am confident that with the concerted efforts, the college will scale up to the greater heights of excellence in coming Academic year 2021-22.

May every lesson of this academic year enrich you all!



Shri Manish Jain

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

t is heart pleasant to know that Faculty of Engineering & Computing Sciences, since inception, has come out as a Lemple of learning that emphasizes on empowering society we live in, with competent and responsible professionals. FoECS has, undoubtedly, created legacy of Leadership, Professional Acumen and Excellence. The college nurtures and grooms the students holistically, empowers them to cultivate the ability to think beyond academics and transforms them into competent human resources for the industry. This fact is well exhibited by the responses that the college received from top-notch companies even during the unmatched situation of Covid-19 Pandemic. I extend heartiest congratulations to Prof.R.K.Dwivedi and his team of committed faculty members who continued to demonstrate their resilience and agility as we moved to new ways of working in line with the need of the hour. The college effectively handled online classroom teaching and ensured uninterrupted learning process for the students who have cooperated positively on their end. We feel extreme proud to put into record that the college has its chief strength in staying ahead of the curve in cutting edge research, and setting new global standards in unveiling the boundaries of knowledge. I am thrilled to know that the college is all set for publication of its forthcoming issue of the college magazine Computing Vision, a juncture of boundless challenge and countless opportunities for the students to review their efforts and to analyse their achievements in research and development.

I appreciate the outstanding progress of the college over the years and wish for further accomplishments on its onward journey of Excellence in Engineering Education in new academic year 2021-22.

Respected Vice Chancellor, TMU



Prof. Raghuvir Singh

t always give inner satisfaction that Faculty of Engineering & Computing Sciences inspires its students to mark participation in a creative exploration of knowledge involving hands-on activities, which proffers 'learning by doing', amilieu far different from exam-centric rote learning. It is on account of the cumulative effect of an elaborate in-campus academic infrastructure; strong national and international alliances; and a robust on-campus recruitment record—as well as regular recruitment by reputed blue-chip companies—that the College is an institution of preference by national as well as international students. The college has, to its credit, a proud record of evolving efficient, confident and highly

knowledgeable technocrats and entrepreneurs with global thinking and futuristic mind-set. Year 2020 gave all of us numerous personal and professional challenges that have required extraordinary reserves of energy, creativeness, resilience and compassion and the way the college navigated its all activities all through this ever-developing COVID pandemic is exemplary in true sense. The college deserves applaud in bringing its achievements into light through this magazine 'Computing Vision'and I am looking forward to another exciting year of ideas, articles and activities. With collective efforts, it's my heartfelt hope that new academic year 2021-22 will surely mark the expansion of research and activities on the ground of quality and quantity. Best wishes to Team Computing Vision for their endeavour of bringing out the yet another issue of magazine on time. Certainly, this creative venture 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. Heartiest Felicitation to the team for their unwavering efforts in bringing out this magazine and keeping the tradition alive!

Respected Director & Principal, FOCS, TMU



Prof. R.K Dwivedi

Taculty of Engineering & Computing Sciences Teerthanker Mahaveer University Moradabad has been making significant strides towards its vision of being an exceptional institution in science and technology education, knowledge creation and innovation. The college strives hard to identity the budding engineering imperatives of industry and chase a multidisciplinary approach to harness and channelize the hidden potential of evolving engineers. Conceivably, none of us has ever anticipated that we will be coming across a pandemic such as Covid-19, it will bring in its trail so much of vagueness by bringing a drastic change in our lives. On the flip side, there lies numerous opportunities as well and the system always embraces them since Change is the law of nature. It is heart-warming that FoECS could complete the last academic session successfully with zero academic loss. The college designed and delivered online interactive lectures in the way that added a significant value to each and every student, wherein the chosen pedagogies resultant into enhancement of creativity and innovation and teaching-learning practices of high standards. All the mandatory efforts were put into place to improve problem solving abilities of the students to empower them to render their contribution to the society and the country. All the activities be it lectures, placements, exams, conduction of FDPs, seminars and conferences were accomplished successfully like any other year. Additionally, many events added more glory to the prestige of the college notable among them are National Educational Conclave, Toycathon, 4 weeks WEDP financially sponsored by DST. The college has been awarded 14th rank in Engineering Colleges of Excellence in all over India by CSR-GHRDC Engineering College ranking 2021. We feel great pride to witness the way our committed employees showcased their pliability and promptness upon the inventive techniques of operation as per the need of the hour. Equivalent to that, our students supported marvellously in achieving this work, which we acknowledge and appreciate greatly. The placement drives, alike other activities, were conducted on the virtual mode. Our alumni have carved out a niche for themselves as assets to the organisations they are associated with. This fact is reinforced by zealous response that the college received even during this tough time of pandemic from the corporate world in the form of placements. Students got success in getting internship offers from organizations of great repute. The Academic session 2021-22 on physical mode has been commenced with monitoring the COVID-19 situation closely and to prioritize the health and safety of everyone associated the college is persistently striving to deal the obstacles coming our way .It is my firm belief that the Academic Year 2021-22 will add more laurels to the college and the college will leave footprints of success in all domains.

Welcome the new academic year with new energies and new hope. May the new academic year be filled with good grades and happiness!

Webinar on Interactive Session with Entrepreneurs

vent was organized by Institute Innovation Council of CCSIT to foster the culture of In-Inovation and Entrepreneurship amongst the students. Prof. R K Dwivedi, Principal CCSIT, in his address, discussed about the importance of Innovation and congratulated to both students for their endeavours in establishing ventures. He said that students should try to establish their ventures and should focus on becoming job givers instead of job seekers. He cited the various schemes launched by Government for promoting this culture but only thing required is to take first step in the right direction. He discussed about the various facilities and support system available in the college for the student. He also cited the various achievements made by the college in recent time and expressed his desire to increase in near future. Finally, he stated that the objective behind conducting such events is to foster the culture of innovation and to motivate the students of CCSIT to become the part of this wagon wheel. Founder of Siabak Creativo Pvt Ltd, Mr. Syed Mohd Bilal began the discussion with his college life and how he decided to establish the company. The various challenges faced by him during earlier days and how he resolved the problems with the help of his friends, family and mentors. His company works mainly in web development and web designing using various emerging technologies. The various challenges he had to face as a founder of the company and some of the challenges are unforeseen. He offers internship in his company for both PG and UG students those who want to work in web development. He stated that he feels himself very fortunate to help the students of the college regarding the web development, establishing the company and for creating some new thing.

Mr. Pratik Pandey, Founder & Director, Worldpur Tech Pvt. Ltd. discussed about his journey which led to establishment of the company. He said that his company provides IT solutions and services to other corporate houses using the emerging and latest technologies in the field. The main areas are: Software Development, Mobile Application Development, Website Building, SEO & SMO, ERP based on Cloud, Integration with Adsense and Admob,

Content Writing etc. He discussed about digital marketing as an emerging area or field in Information Technology that have enormous opportunities for everyone.

Finally in question answer session students made queries regarding: how to establish an IT company, what are the things we should do and from what things we should be careful & should not do, Difference between the product and process based company, some technical questions regarding web server setups etc. Mr.Rajendra Prasad Pandey proposed vote of thanks and delivered concluding remarks for the session.

Agenda: To foster the culture of Innovation and Entrepreneurship among students by providing session with Entrepreneurs' that are alumni of the institute.



Speakers

Title:Founder & Director

Description of talk: Challenges faced in establishment of the company

Speaker Name:Mr. Syed Mohd Bilal Organization:SiabakCreativoPvt. Ltd. Email Address: bilalrais009@gmail.com

Biography of Speaker: Founder & Director, Siabak Creativo Pvt. Ltd.



Title:Founder & Director

Description of talk: Challenges faced in establishment of the company

Speaker Name:Mr. Pratik Pandey Organization:Worldpur Tech Pvt. Ltd. Email Address: pandeypratik4@gmail.com

Biography of Speaker: Founder & Director, Worldpur Tech Pvt. Ltd



MoU signed with TMU University and Voltrans Energy

Votrans Energy Pvt. Ltd. and Teerthanker Mahaveer University Moradabad signe da MoU to develop and to create a resource pool in the area of Solar energy. Under this, teachers and students of Faculty of Engineering will be able to get information about renewable energy resources, employable industrial training.

Voltrans Energy Company is instrumental in providing Solar Energy Solutions, Project Management Consultancy Services. Ashutosh Sharma, Managing Director, Voltrans, Akansha Maurya, Training Manager, Dr. Aditya Kumar Sharma, Registrar of the University signed this MoU which will definitely be going to be a milestone for the students of the University to make a career in the renewable energy sector. He said that the students of the university would not only get benefit in becoming employable, but by taking advantage of the expertise of both the insti-

tutions, new technical measures would be co-created. Guest lectures, workshops, seminars, industrial visits etc. will be organized by the company for the students.

Ashutosh Sharma, Managing Director, Voltransopined, "We all have to commit to uninterrupted supply of electricity at reasonable rates using the unlimited power of the sun. Guest lectures, workshops, seminars, industrial visits etc. will be organized by the company for the students. Company aims to power even remote and off-grid parts of India. It is our greatest strength and driving force." Prof. RakeshDwivedi, Director FoECS said that these kind of activities that are going on around the world regarding solar energy have opened the doors of immense career opportunities in this field. Harnessing and using solar energy is getting easier. For this, work is also being done on the innovation of new technologies. Solar energy sector has become very promising in terms of career and business. This is the reason that along with the job here, the possibilities of start-ups are getting wider. Mr.Pradeep Kumar Verma, Assis-



tant Professor Department of Electrical Engineering informed that Faculty of Engineering has been imparting training in Solar Design and Installation to the students of the Faculty of Electrical Engineering, Electronics & Communication , and sciences under a pilot project in Solar Energy for the last three years. On this occasion University Registrar Dr Aditya Kumar Sharma, Director Prof Rakesh Kumar Dwivedi, Pradeep Kumar Verma etc. were present.

Under NSS activitiesheld on 7th April,2021, Faculty of Engineering chalked about a plan to have events like Cleanliness Drive, Mask distribution, Sanitization Plantation& watering the plants reverberate to mission of the campaigning.

Prof.R.K.Dwivedi, Director, Faculty of Engineering & Computing Sciences Teerthanker Mahaveer University showered his blessings for the activities. He opined, "Except study we should also be involved in such kind of activities by which we could save our life & nation also. He emphasized on the importance of national service scheme by which an individual can serve the society & the nation. He further added, "Since pandemic situation is going on, so we should protect ourselves from corona virus by using the mask, sanitizer, gathering & plantation. Plantation is an important part to save our life. If we do more & more plantation in our society & nearby areas, the air of atmosphere will be pure & fresh and health issues of India can be minimized.

Afterwards Dr.Asim Ahmad told about the importance of national service scheme. He said if we want to serve the nation, we should involve ourselves in such kind of activities like NSS, SCOUT & NCC.In this series he also said that under NSS we can do too many activities like cleaning, plantation, watering the plants. We should also help our neighbours in all typical circumstances physically, economically &mentally.

Another member of NSS unit Dr Abhinav Saxena, Dr Diptonil Banerjee, Mr. Bhagwan, Mr.Amit Kumar, Mr.Neeraj Kaushik & Mr.Umesh Kumar were also present.

Cleanliness Drive on 7th April,2021

Students of Faculty of Engineering undertook a cleanliness drive on 7th April, 2021 with a spate of Cleanliness Campaign. Students along with faculty members & staff excitedly took up brooms and garbage bags to clean up every nook and corner of the class rooms, corridors and nearby areas. Students were given handy tips on how to keep their surroundings and college clean by Prof.Rakesh Kumar Dwivedi, Director& Principal, FoE&CS. The whole drive was quite stimulating and inspiring for the staff and students.



Mask distribution Drive

Today Covid pandemic is in front of us. So It is necessary to save ourselves from this problem. There are many precautions which we can adopt to save ourselves. Out of many precautions one of them is to wear mask. So volunteers distributed masks to the students & others.



SanitizationDrive

Volunteers were very excited to do the activities. They took interest in the previous activities such as cleaning, mask distribution. In this series they also sanitized the college premises, departments, and corridor too. There are too many precautions which we can adopt to save ourselves. Out of many precautions one of them is sanitization. So volunteers did the same.



Sanitizer Distribution

A sthere are too many precautions which we can adopt to save ourselves and surely to sanitizer our hands is one of them. The importance of sanitizer was told to the volunteers & other students of the college so that they could tell about the importance of sanitizer to their family members & neighbors.



Plantation

Plantation is a very important part to save ourselves from diseases as plants save ourselves from many problems. There are too many precautions which we can adopt to save ourselves in this pandemic time. Out of these precautions one of them is plantation. Keeping the same in mind FoECS had a plantation drive. We get fresh oxygen from trees because plants convert the carbon di oxide into oxygen in the sunlight. So plantation plays a very important role in our life.



Watering the plants

Today Covid pandemic is in front of us. So It is necessary to save ourselves from this problem. Out of many precautions which we can adopt to save ourselves is to water the plants in order to have a speedy growth of plants & trees. So volunteers did the same.



An Orientation Session on Innovation

rof. R. K. Dwivedi (Principal, CCSIT) in his address discussed about the role of innovation and how it has been making changes in the society. He also discussed about the global ranking of India in Innovation and the role played by youngsters in improving it. He also narrated about the college's vision to support students in their endeavours'. He welcomed the resource person and expressed his gratitude for giving his valuable time and accepting the invitation to grace the event as resource person.

Prof. Ramesh initiated his address by listing the challenges which we are facing around us and how one could realize the opportunity best in them. He discussed about COVID pandemic and challenges entire country has been facing due to it. He added the instances of development of indigenous ventilators and how greatly it helps the entire society. He also discussed about various innovations carried out by them and to solve the problems in society. He said that innovation does not mean new but it means to change things to improve their efficiency and to reduce the cost, so that it could be available to large mass. Finally the session was opened for questions, where participants made

various queries about innovation and how one could evolve them.

Agenda:

To discuss Innovation and its importance
To discuss various aspects of Innovation
To discuss design and development of Innovative approaches using examples
To discuss importance of problem identification in Innovation



An Orientation Session on Innovation Speakers

Title:Professor & Dean, Research & Development, Innovation Ambassador

Description of talk:

To discuss about the innovation and how is it different from invention and discovery and also to list the important components for every innovation by citing the examples of innovation made by him or his team.

Speaker Name: Prof. Ramesh Chandra Panda Organization: Synergy Institute of Engineering Technology, Dhenkanal, Odisha Email Address: Biography of Speaker:

PROF. RAMESH CHANDRA PANDA -

Professional with a distinguished career of over 14 years of Industrial & academic experience providing educational instruction, engineering projects and training solutions to individuals A research Guide & Editor/ Reviewer of 6 International UGC Care listed & Scopus Indexed journals. Authored/editorials 12 text books named" Industrial People Management" 4 "Joy of Engineering & Management", Industrial People Management, Interdisciplinary Bridging Gap Between Education & Industry Requirements. Professor Panda Published/Accepted

28 research papers& published 78 research patents, research copyright under Intellectual Property Right of India & indexed at WIPO, Switzerland.Prof. Ramesh Chandra Panda granted 6 Australian patents and filed more than 15 Australian Innovation patent. He aspires to establish himself in the field of education and to utilize his skills and experience to help students to achieve high improvements in carrier. He is a self-directed, enthusiastic educator with a passionate commitment to institute development and the learning experience. He is Skilled in the design of challenging, enriching, and innovative activities that address the diverse interests and needs of students. He aims to work in a growth oriented organization where sincerity and hard work pay. He seeks to be an asset for the organization.



Prof. Ramesh Chandra Panda

Session on Business Model Canvas

Prof. R. K. Dwivedi, Principal, CCSIT, addressed the participants about the startups and the business model develop for them in order to establish a profitable venture. He said that students of technical college may not be well versed with business but they are very much familiar about modeling and use of canvas. He welcomed the resource person to enlighten all the participants with his rich knowledge and precious experience.

Dr. Gupta began his address by explaining the concept behind each word of the workshop by bifurcating it. He discussed about the various business models with examples followed by different enterprises, startups, NGO's etc. He said that the objective of business model is not only to earn profits but also to create the wealth for the business; its stakeholders and society enlarge. He discussed about the various components of the model that helps to create an effective and reliable business strategies. He also described the canvas and how it could be used for developing and planning of business models. By a demonstration, he created a business model using the business model canvas and using common parameters for a business and following a specific guideline. He also said that different organizations uses this modelling canvas differently but maintain the common parameters in it. Finally in question answer session he satisfactorily resolved the various queries raised by the participants.

Agenda:

To brief the importance of Business Plans and Models in establishment of new venture To use Business Model Canvas in planning Business Models

Speakers

Title: Associate Professor

Description of talk: To brief the importance of Business Plans and Models in establishment of new venture and To use Business Model Canvas in planning Business Models

Speaker Name: Dr. Devesh Gupta Organization: Pt. DDUMC, IIMT Group of Colleges

Email Address: icfe.devesh@gmail.com

Biography of Speaker:

Dr. Devesh Gupta have more than 16 years of rich

experience working in different institutes/corporate in the field of management. He had published more than 21 research papers in various international and national conferences. Also he had published 16 research papers in journals of international repute. He had also one book, chapter and patent to his credit.



Dr. Devesh Gupta

'Concrete Mix Design - Analytical and Practical Approach'

epartment of Civil Engineering, FOECS, Teerthanker Mahaveer University Moradabad successfully organized one day onlineworkshop on the topic 'Concrete Mix Design - Analytical and Practical Approach' on 19th May, 2021. This workshop provided the opportunity to the students to gain detailed knowledge about mix design of concrete.

This online workshop was graced with the esteemed presence of Mr. O. P. Sharma, Managing Director of Qtech Ready Mix Concrete Jaipur, Prof. (Dr.) R. K. Dwivedi, Director of FOECS TMU, Moradabad, Prof. R. K. Jain, Head of Civil Engineering Department, Mr. Ankit Kumar Sharma, Co-ordinatorof the workshop, Mr. A.K. Pipersania, Mr Amit Kumar, Ms. Nisha Sehal, faculty of Civil Engineering Department. Several curious industry persons, faculty members and students of different institutions actively participated in this workshop.

This workshop was commenced with the welcome speech by Prof. (Dr.) R.K. Jain (HOD, CED)in which he welcomed to the resource person Mr. O. P. Sharma, Managing Director of Qtech Ready Mix Concrete, Jaipur and Prof. (Dr.) R. K. Dwivedi, Director FOECS, TMU, Moradabad. Dr. Jain emphasized on the right proportion of ingredients (cement, fine aggregate, coarse aggregate, water and admixtures) in concrete. After Prof. R. K. Dwivedi addressed the participants. He told about the different codal provisions of mix designing and recent amendments in mix design codes. He delivered his best wishes to Prof. R. K. Jain (HOD, CED), Mr. Ankit Kumar (Co-ordinator) and all organising team for successful conduction of this workshop. After formal introduction, the resource person Mr. O. P. Sharma, Managing Director of Qtech Ready Mix Concrete, Jaipur was cordially invited by Mrs. Nikita Garg to grace the occasion with his knowledge. In his expert talk Mr. Sharma shared his technical field knowledge and experience with the students. He inspired the students with his speech. Mr. O.P. Sharma talked about concrete, ingredients of concrete, different properties of ingredients and their effects on properties of flowable and hardened concrete. Mr.

O.P. Sharma delivered the knowled geto the audience about new IS Code of concrete mix design (IS 10262-2019) and a give them a problem/practice sheet for designing.

This workshop was ended with a vote of thanks by Mr. Ankit Kumar Sharma, co-ordinator of the workshop. He conveyed his Vote of thanks to the session speaker Mr. O. P. Sharma, Managing Director of Otech Ready Mix Concrete, Jaipur for this interactive and informative session. He paid his heartfelt thanks to him for giving their valuable time during such a critical situation of the pandemic. He conveyed his thanks to the Higher Management and administration of TMU for providing this opportunity. He extended his sincere thanks to Prof. R.K. Dwivedi, Director of FOECS. He was highly thankful the workshop Convenor, Prof. R. K. Jain (HOD, CED) and all the committee members for their enormous cooperation. He delivered his sincere thanks to all the participants for showing their interest and actively participating in this online workshop.

Overall the workshop was technically and practically sound. The long term expected result is to make

students technically sound which will help them in building the path of their carrier.

Department is thankful to Director Sir for their approval and guidance in conducting this workshop successfully.



Emerging Dry Mix Mortar Technology in New Construction Era

escription of Event:Department of Civil Engineering organised a one day technical webinar an Emerging Dry Mix Mortar Technology in New Construction Era forthe awareness of the students of B.Tech Civil IV, III & II year successfully via zoom app platform on 29/05/2021.

This webinar started with welcome speech of Mr. Ankit Kumar Sharma in which he welcomed the key note speaker of webinar Mr.Anvesh Kumar Singh, DGM, Zonal Head, UP & UK, JK Cement ltd., Mr. Iqbal Singh, CTS, JK Cement ltd., Prof. (Dr.) R. K. Dwivedi, Principal, FOEC Sand Dr. R. K. Jain (Prof. & HOD, Civil Engg.). Professor RK Dwivedi motivate the students by his speech and extended his best wishes to the Civil Engineering Department. He also spoke about the importance of civil engineering and called it as a most "lively" Engineering branch.

At the end program eco-ordinator Mr. Ankit Kumar Sharma delivered vote of thanks to everyone.

Department is thankful to Director Sir for their approval and guidance in conducting this workshop

successfully. It was an interesting and powerfully interactive session where students learnt new upcoming products and projects in Civil engineering world

Agenda: Emerging Dry Mix Mortar Technology







Speakers Title:Emerging Dry Mix Mortar Technology in New Construction Era

Description of talk: The keynote speaker Mr. Anvesh Kr. Singh shared his technical knowledge and experience with the students. He inspired the students with his speech. In his speech he told about the ingredients, various uses and application of dry mix mortar. He told Dry mix products provide excellent technical properties to meet the stringent performance requirements which are need of current construction scenario. Mr. Iqbal Singh told that dry-mixed mortar is made of cement, sand, mineral and functional additives, mixing together proportionally. It is often in powder or granule form pre-mixed in special factory and transported to construction site. After stirring with adequate amount of water, it can be used directly.

Speaker Name:Mr. Anvesh Kr. Singh & Mr. Iqbal Singh Organization: J. K. White Cement Email Address:anvesh.singh@jkcement.com
Biography of Speaker:Customer Tech. Services Deptt.
JK Cement Ltd.
(White Cement Div.)

BUSINESS TECH"- A Competition on Business Plan and Model

Business Tech was organized by the College of Computing Sciences and Information Technology, Teerthankar Mahaveer University. BUSINESS-TECH is a competitive event organized by the Innovative Council of the College of Computing Sciences and Institute of Information Technology to provide innovative ideas and business models for new commercialization. The program was inaugurated by the principal of the college, Professor Rakesh Kumar Dwivedi by lighting the lamp. Professor Rakesh Kumar Dwivedi in his statement said that the Innovation Council of the college has been established to promote innovation in the institute. This technology will benefit in developing better cognitive ability for the students. A total of 18 views were received in the BusinessTech event across various disciplines such as Agritech, Healthcare, Automobiles and Open Innovation. The ideas received were evaluated by a panel of experts on the following criteria, which include innovation of the idea, technology used, costs of the project and business model. Four ideas were selected for the final.

In the final, each team was allowed to present their ideas for 15 minutes before the panel followed by 5 minutes for the query session. Rajendra Pande, Ashish Vishnoi, Pradeep Shah, Rupal Gupta, Ranjana Sharma and Vineet Saxena were present in the panel. The program was organized on the online app, in which the students of four teams (Defenders, Prestige, NatureTech and Bright Future) expressed their views.

At the beginning of the competition, Hrithik Aggarwal of the Defenders team told about how blood donation can be organized under the Plasma Donate App and how it can reach to the needy. Ankit Sinha of Prestigious Team shared his ideas under Open Innovation in which he emphasized on how it can be helped in creating new equations between the local labor and the customer. The Nature Tech team, who came from





the Agriculture category, shared their ideas in plant wala.com that how organic plants can be handled even with the online platform.

Lastly, Diya Sharma of Bright Future team expressed her views in the Open Innovative section. In which she told how to collect every scheme on a single platform and organize it for the common man so that it can be taken advantage of. On the basis of the questions asked by all the teachers present in the panel and on the parameters of Innovation Council, the team of Arpan Jain, Palak Jain and Nishank Jain got the first place, Nature tech team of Aniket Sinha, Raghavi Sinha and Ayush got the second position. At the end of the program Professor Rakesh Kumar Dwivedi congratulated the winning students and gave away certificates.

The 7th International Yoga Day





oga is an invaluable gift of India's ancient tradition. It embodies unity of mind and body; thought and action; restraint and fulfillment; harmony between man and nature; a holistic approach to health and well-being. It is not about exercise but to discover the sense of oneness with yourself, the world and the nature. By changing our lifestyle and creating consciousness, it can help in well-being. Considering the importance of Yoga in human life, the Faculty of Engineering and Computing Sciences-FOECS, Teerthanker Mahaveer University, Moradabad celebrated the "7th International Yoga Day" on 21st June, 2021 from 11:30 a.m. to 12:30p.m. in the CCSIT Compound.

The programme was inaugurated by Prof. Rakesh Kumar Dwivedi, the Director and Principal of FOECS by lighting the lamp before the idol of Goddess Maa Saraswati. The Yoga experts Dr. Priyank Singhal and Mr. Rajendra Pandey explained the nuances of Yoga to all faculty and staff members present on the occasion. The experts explained in detail about the ways of Yoga and the benefits to do all the asanas, pranayama, meditation, etc. The faculty and staff members performed various yoga exercises on Yoga Day. The exercises described in general yoga practice sequence were performed. Kapalbhati, NadiShodhana, Bhramari, etc. were prominent among these exercises. The programme was organised under the guidelines set by the state and the central government for the Corona pandemic.

On this occasion Dr. Ashendra Kumar Saxena-HOD, Dr. Shambhu Bhardwaj-Proctor, Programme Coordinators Dr. Shakti Kundu, Dr. Rajeev Kumar, Dr. Ashok Kumar, Mr. Rupal Gupta, Mr. Abhilash Kumar, Mr. Jyoti Ranjan Labh, Mr. Vikram Raina-Assistant Director, Placement, Mr. Navneet Vishnoi, Mr. Abhishek Saxena, Mr. Manoj Gupta, Mr. Nikhil Saxena, Mr. R.P. Singh and all faculty and staff members were present. The coordinator of this event Dr. Sandeep Verma anchored the programme and delivered the vote of thanks.

The role of individual person to protect the environment

escription of Event: Department of Civil Engineering organised a one day technical webinar on the occasion of World Environment Day for the awareness of the students of B.Tech Civil IV, III & II year successfully via zoom app platform on 05/06/2021.

Earlier, initiating the program, Coordinator Mr. Ankit Sharma said that in the whole world, India is the only country where earth is called mother. Therefore, it is our responsibility to save the earth from pollution.

This webinar started with welcome speech of Dr. Ravi Jain (Prof. & HOD, Civil Engg.) in which he welcomed the key note speaker of webinar Dr. K. D. Yadav, Associate Professor, NIT Saurat, Gujrat, and Prof. (Dr.) R. K. Dwivedi, Principal, FOECS, TMU, Moradabad. Dr. Jain also motivated the students by his speech. He told that the celebration of World Environment Day started from June 5, 1972. He informed that this year the theme of Environment Day is 'Restoration of Ecosystem' and this time Pakistan is the global host country. Referring to the Jain doctrine, he said that a basic sentence is Anarthad and

Vrat. According to which we should not misuse anything given by nature like water, electricity, air, food etc.

Professor RK Dwivedi, Director of the college, said that while talking about the ecosystem restoration theme, we need to combine it. The corona pandemic taught us the importance of oxygen. Therefore, we should fulfill our responsibility towards the environment by planting trees. He said that the Civil Engineering Department had taken the responsibility of celebrating this World Environment Day as the environmental subject is an integral part of Civil Engineering. We all should fulfill our duty towards the environment properly so that the coming generation may also take advantage of the nature.

This webinar provided the opportunity to the students to know about the environmental issues and their responsibilities to solve these issues.

Agenda: World Environment Day





Dr. K.D. Yadav

Padav suggested the engineering students to do more and more work in the field of alternative energy, waste management, sustainable development, sewage treatment and prevention of toxic gases so that the environment may be saved from being polluted. Dr. K.D. Yadav told about the importance of reuse, re-purpose and re-cycle. He also discussed in detail about his research on making compost from waste flowers.

Speaker Name: Dr. K.D. Yadav Organization: NIT Kurukshetra Email Address: kdy@ced.svnit.ac.in

Biography of Speaker: Associate Professor Department of Civil Engineering S V National Institute of Technology Surat- 395 007 Gujarat, India

PhD (Environment) in 2009 from IIT, Kanpur M E (Environment) 2000 from Vikram University B E (Civil) in 1996 from Nagpur University Research Project Completed: 04, Book Chapter: 03, Best Paper Awards: 03,

Guidance: PhD: 05 and M. Tech: 27

Publication Journal and Conference: Internation-

al:80 National: 43

Workshop/ Training Program (Organized: 37 At-

tended: 42)

Expert Lecture Delivered: 30

Granted Patent: 04

Startup & Minimum Viable Product

The webinar started with a briefing about the Institution's Innovation Council by Ms. Priyanshi Jain, she also introduced about the theme of the session. Ms. ShailiJain, welcomed the honourable Principal Dr.Rakesh Kumar Dwivedi and the keynote speaker of the day Dr. Surabhi Singh, Associate Professor IMS Ghaziabad. The topic of her discussion was 'Start up and Minimum Viable Products'. Dr. Surabhi explained each and every aspect of MVP. In her session she covered the basics of viable products, its effectiveness and its impact on market, and others. MVP is widely used concept and its application ranges from business to industry and to successful entrepreneurs. It has a huge scope of investment in products and an entrepreneur can invest in this. Dr. Surabhi also played a quality video to easily elaborate the things and engage the participants with her pace. All participants gave their attention and appreciated her session. Session was very enlightening and informative and the participants also responded by appreciating the session was very enlightening and informative and the participants also responded by appreciating the session.

Session was very enlightening and informative and the participants also responded by appreciating the session through their messages in the chat box. The session was coordinated by Dr. Megha Sharma with the team headed by Mr. Ashish Bishnoi and ended with the vote of thanks by Mr. Rajendra Prasad Pandey to the speakers and all the participants.

Agenda:

Discuss about minimum viable product and its importance for startups and new ventures to identify the market needs.



Dr. Surabhi Singh



Speakers

Title: Associate Professor

Description of talk: Understand the importance of minimum viable product for startups and how it can

be created. Also to understand the market needs before designing any service or product.

Speaker Name: Dr. Surabhi Singh Organization: IMS, Ghaziabad

Email Address: surbahi777@gmail.com

Biography of Speaker:

Dr. Surabhi Singh has an experience of around 12 years in academics and 8 years in the industry. Her academic interest areas include Digital Marketing, Consumer Behaviour, Marketing Research, CRM, Marketing Analytics, B2B Marketing, Neuro-marketing. She has been associated with Global Professional Bodies in their Review/Advisory Committees. She has been active Guest Speakers at different training sessions at Private and Public Organizations in India. Her authored researches and cases in Marketing have won her the accolades in various National and International Forums. Currently, she is employed as Associate Professor-Mktg. in IMS Ghaziabad. She has recently taken up the honorary role in WICCI as President Ghaziabad City Council.

Session on Accelerators/Incubation Opportunities for the students and faculties – Early Stage Entrepreneurs

The session started with the welcome and introduction of the speaker of the day Dr.SugandhaAgarwal by the session moderator cum organizing member Ranjana Sharma. Dr.Sugandha is an Assistant Professor in the department of English, Moradabad Institute of Technology. The topic of her discussion was 'Accelerators/ incubation-Opportunities'. She explained the basics of start-up, incubator and accelerator nicely. She also threw light on the importance of entrepreneurship in today's scenario and also emphasized on the concept of becoming Job Providers rather than Job Seekers. She discussed about various inspiring personalities who have made their positive contribution to the society. The sessions was very enlightening and informative and the participants also responded by appreciating the session through their messages in the chat box. Prof. R.K. Dwivedi, conveyed his wishes on this occasion to all the faculty and non-faculty members as well as the students. The session was coordinated by Mr. Asish Bishnoi, Mrs.Ranjana Sharma and Mr. Rajendra Prasad Pandey. The session ended with vote of thanks to the

speakers and all the participants. All participants gave their attention and appreciated the session.

Agenda:

To discuss about incubator and accelerators

Role of incubators and accelerators for startups





Dr. SughandhaAgarwal

Dr. SughandhaAgarwal

Speakers

Title: Assistant Professor

Description of talk: Role of incubators and accelerators in development or establishment of start-

ups.

Speaker Name: Dr. SughandhaAgarwal Organization: MIT, Moradabad

Email Address: drsugandha28@gmail.com

Faculty of Engineering & Computing Sciences, Teerthanker Mahaveer University Moradabad has organized a 4 week Women Entrepreneurship Development Program (WEDP) financially sponsored by National Science & Technology Entrepreneurship Development Board (NSTEDB), Department of Science & Technology (DST), Ministry of Science & Technology, Govt. of India from 14th June 2021 to 12th July 2021.



Jomen Entrepreneurship Development Programme (WEDP) under the Department of Science & Technology scheme aims to train the women in the entrepreneurship essentials - conceive, plan, initiate, launch and maintain economic activity or run a successful enterprise.

Here in WEDP 25-30 potential women entrepreneurs were selected and trained through a structured 4 weeks training programme. The online training pedagogy followed a mix of theoretical sessions, practicals and casebased discussion.

Day 1

The event was inaugurated on 14th June 2021 by Shrimati Neelima Katiyar, Minister of State for Higher Education, Science and Technology, Government of India, Uttar Pradesh, India. Shrimati Neelima Katiyar felicitated heartiest congratulations to Teerthanker Mahaveer University for its initiative of organizing this 4 weeks WEDP with an intention to empower budding and existing women entrepreneurs who want to start, run and grow their business and to create conducive conditions for inclusive, resilient and sustainable economies since we believe that Women entrepreneurs account for improved economic growth and stability within a country. Women entrepreneurs inspire other women to start businesses which lead to more job creation for women and ultimately renders help in reducing the gender gap at the workforce.

Other guests of honour on inaugural day were Ms. Anu Dhall (Owner, Sai Art Impex India, Moradabad) and Ms. Sangeeta Roy Chaudhary (Executive Director at Turbostart & Leading VC Fund cum National level Start-Up Accelerator Program)) and MS Tanya Bhatia (Owner Dymak services).

They stated that entrepreneurship among women has led to their empowerment in the country like India. Women entrepreneurship and women empowerment are twin sisters that can shine and break the barriers of a stereotyped world. In this dynamic world, women entrepreneurs are a prominent part of the global expedition for sustained economic development and social progress. It has never been easy for women to prove their fortitude. But fighting against the odds in the stereotype society, leading ladies have made their significant contributions in several different roles.

Day 2

Dr. Chetan R. Dudhagara, Assistant Professor & Head, Department of Communication and IT, IABMI, Anand Agricultural University, Anand, Gujarat, India told the participants about the "Schemes of Assistance for MSMEs: NSIC, SIDBI, DIC and Other Support Agencies".

Dr. Aditya Sharma, Registrar, TMU Moradabad took the session on "Design Thinking, he told How to Identify Business Opportunities"

Day 3

Dr Richa Rajkumar Jain currently working as Managing Director and Social Worker from Nagpur is the owner of Dr. Richa's Unique Clinic & Academy Unique International, Nagpur. She took the session on 'Idea Evaluation'. In her address, Dr Richa emphasised on the importance of innovation and the improvement we are offering to society as compared to already existing solutions.

Ms. Tanya Bhatia, Owner of Dymak India, delivered her talk on topic 'Career opportunities for women'. In her address she praised the qualities of women. She said that skill of multitasking, focus on keen details and time management lies in the DNA of women.

Day 4

Ms. Akansha Garg, MD and founder of IK handicrafts discussed about Effectuation and Lean Start-Up. In her presentation she said that if we will be worried too much about what will happen in future whether we will be successful in our venture or not we will never be able to start any business. She said that to the extent we can predict future, we can control it but not beyond that so we should not be worried about it and should keep



planning and executing.

Dr. Chetan R. Dudhagara, Assistant Professor & Head, Department of Communication and IT, IABMI, Anand Agricultural University, Anand, Gujarat, India, He discussed about various psychological factors which influence the buyers. He said that major role is played by the price of any product. He emphasized on the point that we should understand the switching cost as they are the building blocks of competitive advantage and the pricing power of companies.

Dr Ashish B Mahera, Assistant Professor International Agribusiness Management Institute, AAU, Gujrat delivered his talk on the topic 'Personal Selling Concept & Process'. He said that personal selling is useful when company is small or has insufficient funds to carry on an advertising program. He also discussed about the requisites of effective personal selling as in the modern era of severe competition in the market,

Day 5

Dr. Garima Goswami, Associate Professor, FOE, TMU, and Dr. Rohit Saini, Assistant Professor, FOE, TMU, took the participants in virtual Factory Visit and shared the experience of entrepreneurs like Ms. Chinu Kala, Ms. Debarati sen and Ms. Kalpana Saroj.

Day 6

Dr. Manjula Jain, Associate Dean Aacdemics, TMU explained each and every aspect of communication skill and its requirements. In her session she covered the basics of communication, its aspects, its importance and other features.

Dr. Kiran Sood, Associate Professor at Chitkara University, Punjab, had the topic of discussion on 'Business Model and Iterating the Minimum Viable Product'. She discussed about the various business models like subscription model, Freemium Model, Leasing Model, E-commerce model and various others.

Day 7

Dr Rashmi Jain, ICT Consultant, Co-Founder & Director: Acadepro Services & Solution Pvt Ltd. delivered her valuable note on the topic 'Finding & building team'. Dr Rashmi enlightened the session with very graceful manner and clarified the concept of Navaratna, Akabar Birbal Business Management, Inventor, innovator and Entrepreneur using very practical examples connecting with real life problems.

Dr. P.N.Arora, Joint Registrar, HR, TMU, elaborated his topic on 'Briefing and Planning for market survey'. He described each topic related to preparation of questionnaire with great detail i.e. when to use questionnaire, why to use questionnaire, criteria of a good questionnaire and nine major as well as important steps to keep in mind while preparing it.



Day 8

Dr. Kalyana Chakravarthi Thirunagari, Director, Victoria Training Foundation(VTF), Hydrabad delivered talk on "Field Work: Conducting Market Survey And Data Collection For the identified Business opportunities". He explained various challenges faced by the different organizations, meanwhile he discussed skilled difference between year 2015 & 2020. According to Market Research, Business uses this information to design better products, improve user experience and craft a marketing strategy that attracts quality leads and improve conversion rates.

Day 9

Ms. Ankita Kumawat, owner of Matratav Dairy Farm, Jaipur, Rajasthan, is the well known woman entrepreneur, with her rich experience in the field of Dairy Farm, She clarified the concept related to how to set up dairy farms, what are the measures and planning needed for New project preparation. She also explained about various investments and marketing strategies, funding, licensing and government policies.

Dr.Ravi Tati, Associate Professor and Head- Research & Consultancy, St. Mary's College, Hydrabad discussed all important expects the field work and market survey. He elucidated what survey is, what its necessity is and what type of planning is needed for outcome based survey.

Day 10

Dr. Manish Dhingra, Associate Professor, TIMIT, TMU, Prof Dhingra described various survey methods for launching the product.

Day 11

Dr. Surbhi Singh, Associate Professor in IMS Ghaziabad as well as an entrepreneur took the session on "Feedback and Discussion on Market Survey". She discussed from a simple design to advance design of a product. In the continuation of her talk, she discussed a detail analysis of sampling process.

Mr. Navneet Vishnoi II, Associate Professor, CCSIT, TMU delivered the talk on "How to find out pre-feasibility of a project". He said that the evaluation of idea should be based on four parameters - originality, feasibility, marketable and profitable.

Day 12

Dr. Mohammed Abdul Nayeem, Associate Professor in the Department of Human Resource Management

at IBS Hyderabad emphasized on "Gravitational pull of traveling and people interaction". In his address, he stated 2 business ideas in the direction of domestic product and domestic help.

Ms.Suruchi Agarwal working with Small Industries Development Bank of India as The me Leader – Gender and Financial Inclusion spoke on the topic "Technology and Knowledge based Entrepreneurship and Sustainability". In her address she discussed the approach of entrepreneurial visioning in respect to 17 goals of sustainable development.

Day 13

Dr. Vipin Jain, Principal TMIMT TMU, talked about the importance of women entrepreneur and the role of women's in managing family routine, managing business and managing GDP of the country.

Dr. Nayeem, Associate Professor in the Department of Human Resource Management at IBS Hyderabad, delivered his talk on "Developing Entrepreneurial Competencies in entrepreneurs".

Day 14

Dr. Kolla Bhanu Prakash, Professor and Head of Research Group in CSE DEPARTMENT, K L University, Vijaywada, Andhra Pradesh, India took the session on "How to Prepare Detail Project Report, Production Planning & Purchase Technique". His discussion included 31 points checklists of documents to be submitted with DPR and Scalable start-up Entrepreneur Goals.

Dr Vaishali Dhingra, Professor in Entrepreneurship and strategic management and Joint registrar (R &D) at Teerthanker Mahaveer University took session on "Confidence Building in Women Entrepreneurs". Dr Vaishali discussed a major challenge for Women Entrepreneur that is maintaining a work life balance, which helps in boosting confidence in women entrepreneurs. The session was very motivational and awakening.

Day 15

Dr. Manjula Jain, Associate Dean, TMU, delivered the talk on the topic "Working Capital Management". She told the basic meaning of inventories of working capital management and she also explained why & how the operating cycle matters for the industries.

Dr.Ravi Tati, Professor at St. Mary's College, Hydrabad discussed "Product Costing and Cost Consciousness, He explained the basic meaning of cost and distinguished the differences between Product & Period Cost. During his talk, he focused on type of various types of expenses and explained the component of total cost namely prime cost, work cost, cost of production and cost of sale.

Day 16

Dr. Ravi Tati's topic of discussion was 'Break even point'. Dr. Ravi explained each and every aspect of breakeven point. In his session he covered the basics of fixed cost, variable cost, and cost volume profit, its operation and other features.

Dr. Mahesh R. Prajapati, Assistant Professor & Head, Department of Financial Management, Gujrat delivered his talk on the topic 'flow statements'. He discussed various topics like principles and convention of accounting, income statement and many more.

Day 17

Dr Mahesh discussed 'Profitability & Balance Sheet'. Dr. Mahesh R. Prajapati explained each and every aspect of profitability & balance Sheet. In his session he covered the basics of balance sheet, horizontal and vertical profit its operation and other features.

Dr. Ritambhara Singh Associate Professor in dr. Rajendra Prasad Central Agricultural University, Bihar, talked

about 'Product Planning & Product Mixing Strategy'. She discussed various topics like product and planning of project product mixing strategy principles.

Day 18

Dr. B.S.Sarkar GEH Research LLP, ADBIGA Innovation LLP delivered his talk on "Idea Pitching Session". Dr Sarkar described the way how to generate your idea, how to shape your idea on practical ground and how to take the patent of your innovative ideas which can give you name and copyrights as well as to use it further. Ms. Rashmi Jain ICT Consultant, Co-Founder & Director: Acadepro Services & Solution Pvt Ltd., discussed minute description of detail project report from starting to finalize it.

Day 19

Dr. Ashish B. Mahera from Gujarat took session on 'Marketing Management: Product Promotion, Sales and Advertisement & Digital Presence'. He told that marketing should result in a customer who is ready to buy. Dr Prajapati explained important concepts of finance relevant to business and personal life. He emphasized the management of finance because its lacking could cause damage to the business.

Day 20

Dr. Sugandha Agarwal from MIT, Moradabad gave meaningful and knowledgeable insights on "HR Management for Startups" which is integral part for any organization in terms of the discussion related to HR management & its policies.

Prof.(Dr.) Rajat Agarwal, Professor from IIT Roorkee gave meaningful and knowledgeable insights on Topic "IPR management: pattern, copyrights, trade mark, and industrial management". He highlighted all the aspects related to IPR management, copyright issues with the realistic examples. He explored the overall patent publication process along with patent analysis process with practical demo session.

Day 21

Mr. Vijay Kumar Makyam, notable personality in the field of Patent and trademark, and registration agent for Indian Patent told about 'Legal Formalities in an Enterprise: (Factory Act, PF, Labour Laws etc.)'. He explaind how anyone could start business and what steps he/she should follow to do it. For this, He defined the steps how to register in MSME and go for a particular startup.

Day 22

Dr.Nayeem, Associate Professor in the Department of Human Resource Management at IBS Hyderabad took session on Negotiation and Networking. According to him "Negotiation is about getting the best possible deal in the best possible way". He emphasized the need of communication for the purpose of reaching a joint agreement about different needs and ideas.

Dr. Megha Sharma, Associate Professor, at TMU delivered a session on 'Taxation. She threw light on various tax categories'. She discussed the details of GST and its applicability on MSMEs, Amnesty Scheme & new policies related to it.

Day 23

Ms. Alpi Jain, Owner of Young India, is a leading career counsellor and admission guidance expert. As her topic was on 'Leadership', she started by emphasizing on goals at individual as well as Organizational level. Further, she described the qualities of a good leader such as remain focused, plan things in a strategic manner, understand situations very well etc.



Mr. Vijay Kumar Makyam gave information on the various types of loans a common man can avail from the bank and their importance individually. He told about the working system of Central bank (RBI) and various other banks (both Public and Private) simultaneously. Lastly his main focus was on various schemes of the government like PMMY.

Day 24

Dr.A.P.Natarajan, Director to Victoria Training Foundation(VTF Dr Natarajan gave meaningful and knowledgeable insights on Topic "Getting out for Business" which is integral part for budding entrepreneurs in terms of getting actions done and to take right decisions at right time. He also mentioned qualities and values of entrepreneurs such as entrepreneurs must have curiosity of "How things are to be done".

Day 25

Mr. Vijay Kumar Makyam, Registered Patent and Trademark Agent for Indian Patent and Trademark office took session on Interfacing with Leading Institutions for Business Plan Appraisal.

In India majority of the women face problems while dealing with the management of business and its other aspects like managing clients, communications, funding opportunities, credit applications, marketing of the business (products/services) etc. Access to better advisory and training would help women that are behind small-scale family-owned businesses and others who are willing to start their own businesss.

In this programme, women trainees were able to identify the right business idea for themselves, what are the steps to be followed and were able to develope necessary knowledge and skills to evaluate and run a business. Methodologies we adopted in this event were lectures, interactions, case studies, group experience sharing and interaction with entrepreneurs.

We hope that the participants will be able to conceive ideas, develop the idea into a product/ service, evaluate the project and implement the entrepreneurial venture through the provided inputs in the form of knowledge, information and experiences shared.

We wished all the participants good luck for their journey in becoming entrepreneurs.

FacultyDevelopment Programme (FDP) on Entrepreneurship

Description of Event: Faculty of Engineering & Computing Sciences organized 2 weeks Faculty Development Programme on Entrepreneurship, financially sponsored by National Science & Technology Entrepreneurship Development Board (NSTEDB), Department of Science & Technology (DST), Ministry of Science & Technology, Govt. of India" from 26/4/2021 to 8/5/2021.

Agenda: This Faculty Development Programme (FDP) aims at equipping teachers with skills and knowledge that are essential for inculcating entrepreneurial values in students and guiding and monitoring their progress towards entrepreneurial career. Image in .jpeg format:

Speakers (List attached) Eminent Speakers

- 1. Speaker Name:Prof. K.K. Agrawal Chairperson NBA &(Founder Vice Chancellor, GG-SIP Univ. New Delhi) (9810044006)
- 2. Dr. Prakash Chauhan Director Indian Institute of Remote Sensing Dehradun (9410768348)
- 3. Prof. R.K. Mittal Vice Chancellor at CHAUDHARY BANSI LAL UNI-VERSITY (8586888937)
- 4. Prof. S.N. Singh Professor (HAG), Department of Electrical Engineering, Indian Institute of Technology Kanpur (9519824447)
- 5. Prof. S.K.Ghosh Professor & Head of Department of Civil Engineering, IIT Roorkee Roorkee, India
- 6. Dr. Anil Kumar Scientist/Engineer – SG Indian Institute of Remote Sensing Dehradun (9897460874)

- 7. Prof. Rajat Agrawal Professor,IIT Roorkee
- 8. Dr. Zainul A. Jaiffery Professor, Professor Department of Electrical Engineering Jamia Millia Islamia, New Delhi-110025 (9868790325)
- Dr. Satish K. Singh
 Asst. Professor
 Ph.D.
 Indian Institute of Information Technology Allahabad
 (9792836413)
- 10. Prof. J. Ramkumar Professor, Department of Mechanical Engineering IIT, Kanpur. (9451220918)
- 11. Mr. Satheesh Kumar Principal Consultant at Wipro Limited Bangalore Urban, Karnataka, India (9845357806)
- 12. Dr. Vivek Srivastava Associate Professor, National Institute of Technology, Delhi (9462580628)
- 13. Mr. Tushar Srivastava Entrepreneur and Patent Analysist (9971110653)





- 14. Dr. Ashok Kumar Dixit R &D Scientist, NCCBM, Faridabad (7503738436)
- 15. Dr. Githa Heggde Dean and Director School of Business, UPES, Dehradun (9743056056)
- 16. Prof. Usha Batra Associate Dean, SES GD Goinka University (9811973824)
- 17. Dr. Manjula JainAssociate Dean (Academics)Teerthanker Mahaveer University
- 18. Dr. Vaishali Dhingra Professor & Joint Registrar (R & D) Teerthanker Mahaveer University
- 19. Dr. R. K. Jain

Professor
Teerthanker Mahaveer University

- 20. Mr. Vikas Yadav Deputy Manager SBI Moradabad (8423990330)
- 21. Mr. Mahendra Kumar Gupta Chief Executive Officer ABES Engineering College, Ghaziabad (9899904331)
- Dr. R. N. KrishniaDirector, CTLDTeerthanker Mahaveer University
- 23. Dr Shakti Kumar Director, Panipat Institute of Engineering and Technology Panipat, Haryana









aculty of Engineering and Computing Sciences (FoE&CS), Teerthanker Mahaveer University Moradabad organized an Online Faculty Development Programme on Entrepreneurship Sponsored by National Science & Technology Entrepreneurship Development Board (NSTEDB), Department of Science & Technology (DST), Ministry of Science & Technology, Govt. of Indiafrom 26-April-2021 to 08-May-2021.

This online FDP was graced by the esteemed presence of inaugural chief guests Prof. K.K. Agrawal, Chairperson NBA & (Founder Vice Chancellor, GGSIP Univ. New Delhi), Dr. Prakash Chauhan, Director, Indian Institute of Remote Sensing, Dehradun, Prof. R. K. Mittal, Vice-Chancellor at CHAUDHARY BANSI LAL UNIVERSITY, India and more than 20 eminent guest speakers of national and international reputation from academics and industries. More than 200 participants from various institutions and universities from all over India had registered for FDP.

In the opening Speech Prof. R.K. Dwivedi, Director, Faculty of Engineering and Computing Sciences addressed about the online FDP theme. He said that Faculty Development Program (FDP) is designed to train and develop professionals in entrepreneurship so that they can act as resource persons in training, teaching, guiding, and motivating young S&T persons to take up entrepreneurship as a career choice. FDPs provide inputs on the process and practice of entrepreneurship development, communication and interpersonal skills, creativity, problem-solving, achievement motivation, resources available and all aspects of entrepreneurship. Training methodology includes case studies, group discussion, simulation exercises, field visits and classroomlectures.

Hon'ble Vice Chancellor, Prof. Raghuveer Singh, Teerthanker Mahaveer University elaborated the various attributes of enterprenurships. He said that Entrepreneurship is the creation or extraction of value. With this definition, entrepreneurship is viewed as change, generally entailing risk beyond what is normally encountered in starting a business, which may include other values than simply economic ones.

The chief guest of online FDP, Prof. K.K. Agrawal, Chairperson NBA & (Founder Vice Chancellor, GGSIP Univ. New Delhi) addressed the gathering with his extraordinary wisdom on enterprenurships. He said that Entrepreneurship Development in India is necessary to create more opportunities and remove road-blocks from its path." In recent years, entrepreneurs have faced countless obstacles in the business environment, investments, technology, employment and seed funding for ideation and development progress.

The respected guest of online FDP, Prof. R.K. Mittal, Vice-Chancellor at CHAUDHARY BAN-SI LAL UNIVERSITY said that this online FDP will be a milestone in the direction of "Atam Nirbhar Bharat". He believes through this FDP, University will help our nationwide faculty members to create entrepreneurs rather than a job seekers. He illustrated about his journey as a former vice-chancellor of Teerthanker Mahaveer University Moradabad. He explained the entrepreneurial vision of Hon'ble Chancellor Shri Suresh Jain in the development of the University.

The respected guest of online FDP, Dr Prakash Chauhan, Director, Indian Institute of Remote Sensing, Dehradun reminisces his attachment to the local location of the city Moradabad. In his address, he said that technical Entrepreneurship is designed to focus on the opportunities and challenges associated with starting a technology venture. The single greatest wealth creator of our generation and every generation before us has been technology. Today, state of the art technology can be defined as nanotechnology, biotechnology, and Web technology. In previous generations, it was defined as the television and the internal combustion engine. In many cases, the innovator was not the entity that invented it or was best-positioned to introduce it to the marketplace.







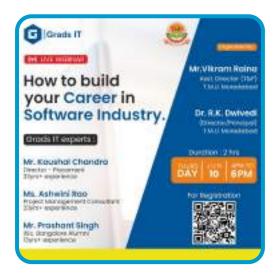
Prof. Manjula Jain, Associate Dean, Teerthanker Mahaveer University addressed about economic attributes of entrepreneurship. She said that Entrepreneurs are action-oriented highly motivated individuals who take risks to achieve goals. An entrepreneur is an innovator of a new combination in the field of production. The entrepreneur is the founder of the enterprise who identifies opportunities, assembles skilled manpower and necessary resources for the operation of the enterprise, attracts persons and financial Institutions and takes psychological responsibility for managing the enterprise successfully. She has taken so many live examples of entrepreneurs.

The convenor of this FDP, Dr Garima Goswami, HoD EE conveyed her Vote of thanks to all the distinguished guest Prof. K.K. Agrawal, Chairperson NBA & (Founder Vice-Chancellor, GGSIP Univ. New Delhi), Dr. Prakash Chauhan, Director, Indian Institute of Remote Sensing, Dehradun, Prof. R.K. Mittal, Vice-Chancellor at CHAUDHARY BANSI LAL UNIVERSITY for gracing the occasion. She paid her heartful thanks for giving their valuable time during such a critical situation of the pandemic. She conveyed her thanks to the TMU administration Hon'ble Vice-chancellor, Prof. Raghuveer Singh, Teerthanker Mahaveer University, Prof. Manjula Jain, Associate Dean, Teerthanker Mahaveer University, Prof. R.K. Dwivedi, Director, Faculty of Engineering and Computing Sciences. She was highly thankful to Co-convenor Dr Gulista Khan, Dr Pankaj Kumar Goswami and all the various committee members. She delivered her sincere thanks to all the participants for showing their interest in this online FDP.

After the successful completion of FDP e-certificates were provided to the all participants. The dream of organizing the event could come true due to hardwork, dedication, determination and perseverance of the team led by Dr.Garima Goswami (FDP Convener). She expressed heartfelt thanks to Prof. R.K.Dwivedi, Director FoECs who was behind the notion of organizing this FDP. Prof. Dwivedi is the person who has been consuming himself to change the society and light the darkness in the life of every member of FoECS family. She expressed thanks to another members of the team who worked with utmost dedication Dr Pankaj Goswami (FDP Co-Convener), Dr Gulista Khan (FDP Co-Convener), Mr. Umesh Kumar Singh, Mr. Ajay Chakrabarti, Mr Pradeep Kumar Verma, Ms. Shikha Ghambhir, Ms. Sakshi Mahendra etc. All participants have praised the overall conduction of event and wished to have more such events in future also.

Discover The Insights of Machine Learning with Python





1. Discover The Insights of Machine Learning with Python:

Expert Mr. Harsh Arora of Crisp Metrics, Date 24th May 2021. The expert highlighted the basics of Machine learning he said, Machine Learning is a subset of AI where the machine is trained to learn from it' s past experience. The past experience is developed through the data collected. Then it combines with algorithms such as Naïve Bayes, Support Vector Machine(SVM) to deliver the final results. The session was very informative and much appreciated by one and all. We hope to have more such session in future.

2. Live Webinar on Wordpress:

Expert Mr Avinash Kumar CTO of Crisp Metrics, Date 24th May 2021. Wordpress is an open source Content Management System (CMS), which allows the users to build dynamic websites and blog. WordPress is the most popular blogging system on the web and allows updating, customizing and managing the website from its back-end CMS and components. This session will teach you the basics of WordPress using which one can create websites with ease. The concept was divided into various sections for convenience. Each of these sections contained related topics with screenshots explaining the WordPress admin screens. Mr. Avinash elobrated the coding and related topics using wordpress for better website management and development.

3. How to build your Career in Software Industry :

Experts Mr. Kaushal Chandra, Ms Ashwini Rao PM Consultant and Mr Prashant Singh IISC Alumni, date 10 June 2021. Software industry is going trough a dramatic cahnge and thus the skill requirements are also changing. So in order to remain relevant we need to enhance the skill sets of students which is possible only through the understanding of the industry requirements vizave skills in hand. This was clearly highlighted by the experts during their talks with the prospectiove job seeks from TMU in the session. Students were also made aware of requirement of the Software industry and how to stay relevant in these changing times given the dynamic environment.

Toycathon 2021





Toycathon 2021

Inder the 'Aatma Nirbhar Bharat Abhiyan' initiated by our Hon'ble Prime Minister, Shri. Narendra Modi, Toycathon-2021 is conceived to challenge India's innovative minds to conceptualize novel Toy and Games based on Bharatiya civilization, history, culture, mythology and ethos, jointly managed by Ministry of Education, Ministry of Women and Child Development (MWCD), Ministry of Textile, Ministry of Commerce and Industries, Ministry of MSME, Ministry of I&B and (AICTE). Faculty of Engineering (FoE), Teerthanker Mahaveer University, Moradabad as NODAL CENTER, one out of the 87 Nodal Centre (NC) and one out of 8 NC in UP and one and only institute from Moradabad and Bareilly Division, has been selected by MIC/AICTE for hosting Toycathon 2021 Grand Finale, an event conducted by Govt. of India to promote indigenous toy industry Around 14 teams from different parts of India confirmed their participation.

The digital Toycathon has received a phenomenal response from enthusiastic innovators and now 1567 selected teams will be participating virtually through 85 Nodal Centres. During the grand finale the selected teams will virtually present their toys in front of Jury panel comprion of Experts from premier institutes. The teams will receive mentoring from experts during the hackathon and teams will have to improve their toys/games as per expert suggestions.











Toycathon 2021

TIPS TO ENHANCE MENTAL CONCENTRATION FOR EXCELLENT STUDIES



DR. ASIM AHMAD, PROFESSOR, DEPARTMENT OF CHEMISTRY

This is a very common problem among the students that some time and often they full to conventrate towards their studies. In such situation it is found that it become difficult to accept challenging task at work studied for an important exam, or spent time on fluicky projects, in such situations you might have wished to increase your ability to concentrate. Concentration refers to the mental efforts you direct towards whatever you are working on ar learning at the moment. It's some time confused with the attention span refers to the length of time you can concentrate on something.

Factors that affect concentration-

Both attention span and concentration can vary for a number of reasons. Some People just have a harder time turning out distractions. Age and lack of sleep can affect concentration. Most people forget things more waitily as they age, and decreased concentration van accompany memory loss. Head or brain injuries, such as concussions, as well as certain mental health conditions can also affect concentration. It's easy to become frictized when you are trying to concentrate but just can't. This can lead to stress and irritation, which tends to do even more of a distant docum. I shall go over some conditions that can affect concentration and steps to take if trying to increase concentration on your own to help for excellent studies.

- 1-Train your brain by playing memory games like chees, jigsaw puzzles etc
- 2-Improve sleep, sleep deprivation can easily disturb concentration and You—can not do your daily task.
- 3-Make time for exercise rather than playing with mobile.
- 4-Spend time in nature, mostly students stay in house and spend time on watching IV. Go around here and there early morning and admire the creator to beautiful flowers, distinguished birds and fresh air.

5-Give meditation a try, put a black sput on white paper and keep in front year. Concentrate for five minutes / dos: A time will come when you will notice yellow shining. It means your concentration has increased and brow is under your control.

6-Take a break, expert say that it works. Stay at your desk, furce yourself to keep going. Refresh your self with a cool drink or nutritious mack, take a quick walk or go out side and get exposure of sun light. When you return to work, do not be surprised if you feel more focused; motivated, or even creative. Hence breaks can help boost these functions with acute effectiveness.

T-f, view to mesic, terring on music while working or studying may help to Increase concentration. Even you don't enjoy listening to music while pair work, using nature sounds or while noise to mank background namels could also help improve concentration and other brain functions, according to research. The type of music you listen, can make a difference. Experts generally agree that classical music, barrique classical music or nature sounds are good choices, help to increase your focus. If you don't care for classical music, try ambient or electronic music without tyrics. Keep the music soft, so it doesn't end up distructing you.

8- Vary your diet, the food you eat ean affect cognitive functions like Concentration and memory. Avoiding processed food, , too much sugar, and very fatty foods. To been concentration, try eating 1939, blueborries, spinisch etc.

9-Take resins, Finantin K., Omega-3 fitty with, guarant-seeds, Almond-Ambritadia gausalterry), with every day for better concentration. Lussare you that these basic tips will definitely change entire life style and give you energy to do more and more to get success and to achieve your target.

Wishing all the best. Dr. Asim Ahmad

Media Corners





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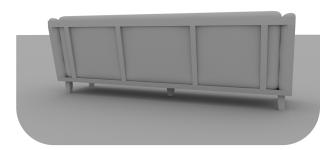
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