



**Teerthanker Mahaveer University**

Faculty of Engineering and Computer Science

Volume-6

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Issue 3

# COMPUTING VISION N

## A Student Magazine



A voice of an effort...

CCSIT idea factory

Teerthanker Mahaveer University, Uttar Pradesh  
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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

## From the Hon'ble Chancellor's Desk TMU, Moradabad



Shri Suresh Jain  
(Hon'ble Chancellor)

Fostering creativity and stirring innovation are two of the imperative essentials of a successful education, and a college magazine is truly the perfect unification of both since it harnesses the creative energies of the academic fraternity, and distils the essence of their enthused imagination in the most dazzling way possible. Henceforth,

I am elated to know that Faculty of Engineering & Computing Sciences is all set for publication of its forthcoming issue of the college magazine Computing Vision. Since inception, the college magazine has been providing a juncture of boundless challenge and countless opportunities for the students to review their efforts and to analyze their achievements in research and development. Beyond the shadow of doubt, this creative endeavour is fetching an array of artistic and scientific expressions with distinct individual signatures.

I take this opportunity to congratulate Prof. R.K Dwivedi, Director FoECS and his team of committed faculty, staff members and students for their commitment towards value based quality teaching and profuse efforts put in to ensure that each and every student is cared for in the college. Furthermore, I extend heartiest felicitations to the editorial team for their successful completion of putting together the myriad thoughts and dreams of our students and faculty into a meaningful and delightful visual fest called 'Computing Vision'.

Kudos Team Computing Vision!

## From the Hon'ble Group Vice Chairman's Desk TMU, Moradabad



Shri Manish Jain  
(Group Vice Chairman)

It is a matter of immense pleasure to learn that Faculty of Engineering & Computing Sciences is bringing its new edition of the magazine Computing Vision. I appreciate the Director, faculty members and all the students for such a laudable effort.

A college magazine helps record the curricular and extra-curricular journey of the college and provides an opportunity to the students to showcase their talent and expose their creative potential alongside academic and curricular inputs. Co-curricular and extracurricular activities help shape the overall personality of a student.

Today we live in a world where change is riding an accelerated pace and we need to pause and reflect on the entire education system. I firmly believe that students must be taught how to think, not what to think. A college is a place where students begin to learn lessons of life. As educators, we need to incorporate such activities that help the all-round development of each child. The biggest challenge we all face today is to prepare our students for a globalized world. In our busy schedule of preparing the young minds for the global market, we often ignore the fact that each child has his own individuality and special skills. We, educators being facilitators should always encourage each child to develop in his/her special field of interest. We should realize the fact that all the students do not have the same talents and so each one will achieve success differently.

I extend my warm wishes to the Director, Faculty members and students to continue this journey on the road of excellence.

## Message from the Hon'ble Vice Chancellor TMU, Moradabad

“The mind is not a vessel to be filled, but a fire to be kindled.” said Plutarch. In this regard, the most important aspect we could derive from the stupendous effort is to bring out the various technical and analytical skills of the budding engineers. I feel proud to say that the ‘Computing vision’ has established to be a flint to fire the enthusiasm and motivate their minds for many intrusive innovations among the students.

Success of the effort to bring out ‘Computing vision’ on regular basis is the result of dedicated teamwork put in by all concerned. I am glad to pen for this wonderful magazine as an appreciation of commendable efforts put forth by the team since its launch. The efforts taken to bring about innovative content is appreciable. I express my compliments to all worthy members of FoECS for their valuable efforts in releasing this issue. I wish them all triumph!



Prof. Raghuvir Singh  
(Vice Chancellor)

**A Voice of an effort...**

## Message from Mr. Akshat Jain TMU, Moradabad

We believe, Teerthanker Mahaveer University is “A Truly Global University”. Here, we work towards a fine blend of values and global professional talents in the making of personalities that belong to the future about which I can’t even dream of.

I am happy to know that Faculty of engineering & Computer science is bringing out its magazine “Computer Vision Magazine”. The college magazine plays a significant role in highlighting the achievements of the college. It provides ample opportunities to the students to exhibit their literary talents through the columns of such magazine.

I welcome the young aspirants of excellence to join us in this journey and with our joint efforts perhaps we will add a much needed change to the society.

I wish the venture good luck and congratulation to all those who have contributed their ideas, thoughts and themes for this magazine.

“You don’t have to be great to start, but you have to start to be great.”

My best wishes!

Mr. Akshat Jain



Shri .Akshat Jain  
(Esteemed Member of TMU Society)

## Message from Hon'ble Principal's Desk TMU, Moradabad



Prof. R.K Dwivedi  
(Principal)

Hoping to world get better soon.

In this uncertain time of COVID-19 pandemic, Faculty of Engineering and Computing Sciences Teerthanker Mahaveer University Moradabad has shown its surefootedness towards academic progress. We all are wondering for the future? However, students are the future of India. In fact I am sure that it is the students who will save us. Who is going to fix all these social unrest. Friends this is techno-driven time, it is important to each one of us to stay tuned and stay connected with our subjects, projects and labs. In fact I know that our smart, ambitious students are very intelligent. They are an important component of this very world and know how to beat the system. It is up to them to show us the way to maintain the pace with technology and with the support of technology, will certainly overcome with this pandemic situation.

Being an editor of computing vision, it gives me immense pleasure that FoE and CCSIT is continuously publishing its 3rd edition of volume 6. This is a forum or canvas for students to present their creativity in recorded form. This is era of new knowledge and by exploring it, will offer new solutions. I am thankful to reviewers, database committee members, faculty members and student volunteers who have put their sincere efforts to shape this version of magazine.

Prof. (Dr.) R K DWIVEDI  
(Principal & Director, Faculty of Engineering and Computing Sciences  
Teerthanker Mahaveer University Moradabad)

## Three International Patents have been granted to one Faculty member of FoECS

Faculty of Engineering and Computing Sciences, Teerthanker Mahaveer University is honored to have two different International Patents based on "IAVP-International Business Data" and "MT-Information of Family Members" under the category of Innovation under Australian Government whose criteria is Patent completion with Prototype and Examination for the same within a given time period of 8 years. These patents have been granted to Dr Arpit Jain, Associate Professor of CCSIT.

Australian Government provides two kinds of patents regarding Innovation and Innovative. It has granted with Innovation patent in which there is an examination conduction worth 500\$ after the process of filing the patent and after clearing that patent is granted.

Director & Principal Dr. Rakesh Kumar Dwivedi congratulated Dr. Arpit Jain with happiness and gave best wishes to achieve more in future in the field of Innovation and Creativity. He said, "His achievement has dignified the college and the University and his inspiring efforts for other faculty members also".

## टीएमयू को तीन ऑस्ट्रेलियन इनोवेटिव पेटेंट ग्रांट मिले

**मुमुक्षुभाद।** टीएमयू को एक बार फिर बड़ी उपलब्धि मिली है। कैकल्टी ऑफ इंजीनियरिंग एंड कम्प्यूटिंग सर्विसेज-एफओईसीएस के एसोसिएट प्रोफेसर डॉ. अर्पित जैन ने कोविड-19 के दौरान विश्व की प्रौद्योगिकी में तीन ऑस्ट्रेलियन इनोवेटिव पेटेंट ग्रांट क्रांति हैं। ये तीनों इनोवेटिव पेटेंट ऑस्ट्रेलिया से ग्रांट हैं। आईएमपी- इंटरनेट बिजनेस डेटा, एमटी-फैमिली मेम्बर के लोकेशन की जानकारी संग-संग अइएमटी-वीएस आधारित मोबाइल बैंकिंग पर वे पेटेंट



डॉ. अर्पित

मंजूर हुए हैं। डॉ. अर्पित ने अइएमटी-वीएस आधारित मोबाइल बैंकिंग पर रिसर्च एफओईसीएस निदेशक प्रो. राकेश कुमार द्विवेदी के सानिध्य में की है। वह पेटेंट प्रो. द्विवेदी और डॉ. जैन के नाम संयुक्त रूप से ग्रांट हुआ है। कुलाधिपति, सुरेश जैन, कुप वाइस चमरमेन, मनोप जैन और मेजर ऑफ गवर्नमेंट डॉ.एमजीओ, अक्षय जैन ने कहा कि रिसर्च और इनोवेशन पेटेंट युनिवर्सिटी की सर्वोच्च प्राथमिकताओं में है।

## Toycathon 2021

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. Toycathon 2021 is an inter-ministerial initiative organized by Ministry of Education's Innovation Cell with support from All India Council for Technical Education, Ministry of Women and Child Development, Ministry of Commerce and Industry, Ministry of MSME, Ministry of Textiles and Ministry of Information and Broadcasting. Institute Innovation Council of College (IIC-CCSIT) promotes the event among its faculties and students as it is providing the platform to showcase the talents of developing toys that ensure learning while playing.

To motivate the students, IIC-CCSIT organized the display of various video lectures given by experts in the relevant domain conducted by the AICTE. After the launch of Toycathon 2021 the first lecture was held on 11th Jan 2021 by Shri. Arvind Gupta, who is popularly also called Toyman of India. He demonstrated the various toys that could be easily created from the trash. He asked the teachers to demonstrate the concepts of physics using examples more specifically toys so that students could grasp the concept faster. Meanwhile he cited the example from book "Joy of Making Indian Toys" by Sudarshan Khanna.

Second lecture in the series was held on 12th Jan 2021 taken by Dr. Abhay Jere, Chief Innovation Officer, MIC, Ministry of Education. He discussed about Toycathon, and explained that how the idea was emerged and what are the benefits of conducting such hackathons.



(Sb. Arvind Gupta)

He listed the various areas such as boosting physical and mental fitness, Toys for specially-abled / Divyanga Children, focus on Indian culture, heritage and Vedic mathematics etc. on which Toyacathon 2021 majorly focused. He also discussed about the three different tracks that allow participation from school students to research scholars as well the startups.

Prof. Shrikant Bahulkar, Chief Investigator, Bhagavata Purana Project, Bhandarkar Oriental Research Institute (BORI) was the resource person in third online session held on 13th Jan 2021 about “Toys from Vedas”. Prof started discussion from Vedas and various aspects of knowledge associated with them. He briefly discussed about various deities related to nature and most important one was Agni in vedic culture. He mentioned about 14 vidyas and 64 Arts forms given in Vedas and how one should attain them. He narrated that lack of toys based on ancient figures in market as a result children were not able to associate with their rich cultural heritage. He pressurized on deriving and using concepts from Vedas to develop educative toys that allow us to bind children with our culture.

Online session held on 18th Jan 2021, Prof. Sudarshan Khanna and Prof. Surabhi Khanna were the resource persons. Prof. Surabhi started the discussion by narrating a small story about her father who designed a stick like cigarette but on blowing it generates different color flowers. Prof. Sudarshan Khanna, in his discussion said that he saw a toy which was unique and attractive at one of the International Airport in Europe for Six Euro but he was not able to purchase but after six months he found the same toy in Ahmadabad for Rs. 30, which was the power of local development. He discussed about various toy ideas and consultancy provided by them to NGO for developing low cost toys.



**Prof. R.K Dwivedi  
(Principal)**



Prof. Manish Jain from Center for Creative Learning, IIT Gandhinagar was the resource person for online session conducted as part of Toycathon 2021 on 19th Jan 2021. He worked in development of the very simple toys in association with Shri. Arvind Gupta. He said that the purpose of Toycathon is to bring back gleam back in the eyes of children . Further he said that toys are not only for Children but also for adults. He said that role of toys is to make learning simple and interesting developed from simple things. He gave certain demos of simple toys that could make the leaning and understanding of science concepts in children easy.

On 20th Jan 2021, Dr. Mohit Gambhir took an online session to give details about the procedure and guidelines of Toycathon 2021. He also resolved the general queries regarding participation and other relevant issues related to event.

## SWAMI VIVEKANANDA JAYANTI

Faculty of Engineering & Computing Sciences (FoECS), Teerthanker Mahaveer University Moradabad celebrated the 158<sup>th</sup> Birth Anniversary of Swami Vivekananda on 12th January, 2021. On this occasion of National Youth Day, faculty with staff and the students became energetic with the inspiring speech of Prime Minister Shri Narendra Modi. Shri Modi was addressing the National Youth Parliament Festival through videoconferencing. Remembering Swamiji he said that the youth should be devoted to the country. He also quoted the words of Vivekanandji - "Tomorrow is for the youth".

As a token of respect, garlands were offered and lamp was lit before Swami ji's picture by all present over there. Respected Principal of FoECS, Dr Rakesh Kumar Dwivedi said that India has a golden future on youth's shoulders and only a determined young person can bring change. He further said that we need to have mature thinking power to move forward so youth have an important role. Dr. Sandeep Verma recited a poem composed by Swamiji-'Sanyasi ka Geet'. By reciting the poem, he not only inspired the youth but also awakened the patriotism in them. Prime Minister's live telecast program was attended by the first year students of B.Tech, B.Sc, BCA. In the program, Dr. Ashendra Saxena, Dr. Shambhu Bhardwaj, Prof. Ravi Jain, Dr. Manish Dhingra, Dr. PankajGoswami, Dr. Shakti Kundu, Dr. Rajiv Kumar, Mr. Ankit Kumar etc. were present. The program was well coordinated by Kashish Bhargava and Syed Abdullah Ali.



Prof. R.K Dwivedi  
(Principal)



On 14 January 2021, Faculty of Engineering and computing Science successfully organized TRIO fest on the occasion of Lohri, Makarsakranti & Pongal. Event was started in the presence of Hon'ble Director & Principal of FoECS Professor R K Dwivedi, Head of Department Dr. Ashendra Kumar Saxena and Cultural Coordinator Ms Hina Hashmi. This event was basically organized by first year students of B.Sc. (Animation) under the supervision of Cultural Coordinator.

Event was divided into two phases. First phase of the event was celebrated as a cultural event in LT-4 while second phase as a Lohri Poojan was ritualized in CCSIT compound in the presence of Director of FoECS- Prof Dwivedi, Course coordinator of B.Sc.(Animation) Mr. Jyoti Ranjan Labh, Ms. Shikha Gambhir, Ms. Hina Hashmi and all faculty members of FoECS. The students also danced and enjoyed on the thump of Dhol. Various activities were conducted in this event. Overall it was a great show. Cultural event in Lt-5 was hosted by Apoorv Mittal and Khushi Agarwal, the students of B.Sc(Animation). Event was successfully supervised by Cultural coordinator Ms. Hina Hashmi and Ms. Shikha Gambhir.



(Prof. R.K Dwivedi and Mr Jyoti Ranjan Labh)



## PARAKRAM DIWAS

Faculty of Engineering and Computing Sciences (FoECS), Teerthanker Mahaveer University, Moradabad celebrated “Parakram Diwas” remembering Netaji Subhash Chandra Bose on his 125th birth anniversary on 23rd January, 2021 at 10:00 A.M. in the Lecture Theater-4. The Principal and Director of FoECS Prof. Rakesh Kumar Dwivedi paid tribute and homage to Netaji by offering flowers on his portrait. On this occasion, other faculty members and staff members including Head of Department Dr. Ashendra Kumar Saxena, Proctor Dr. Shambhu Bhardwaj, Prof. R.C. Tripathi, Dr. Sandeep Verma, Dr. Shakti Kundu, Dr. Rajiv Kumar, Dr. Arpit Jain, Dr. Pankaj Kumar Goswami, Dr. Garima Goswami, Mr. Rupal Gupta, Dr. Zareen Farooq, Ms. Neha Anand, Mrs. Anu Sharma, Mrs. Ranjana Sharma also remembered Netaji. A documentary video on the life of Netaji was displayed during the session. This program was observed in a simplistic manner by following the social distancing in view of the Corona pandemic. Speaking about the biography of Netaji, the Director and Principal of the college, Prof. Rakesh Kumar Dwivedi, told the audience to learn patriotism and bravery from the life of Netaji. At the end of the program, the Director and Principal of the college, Prof. Rakesh Kumar Dwivedi thanked everyone for participating in the program. The program was anchored by Dr. Sonia Jayant.



(Mr. Raghuvendra Kumar Singh)



## “RECENT TRENDS IN GREEN ASPECTS OF SCIENCE AND TECHNOLOGY”

Organized by:- Prof. Rakesh Kr . Dwivedi –Conference General Chair

Dr. Varun Kumar singh –Convenor

Dr. Souvik Sur --Co –Convenor

Dr. Asim Ahmad -- Organizing Secretary

Patrons :- Shri Suresh Jain , Hon’ble Chancellor

Shri Manish jain , Hon’ble Group Vice Chairman

Shri Akshat Jain , Esteemed Member of TMU Society

Prof. Raghuvir Singh , Hon’ble Vice Chancellor

Dr. Aditya Sharma , Registrar

Prof. Rakesh Kumar Dwivedi , Principal & Director, FOE&CS

Guests :- Dr. M.G. H. Zaidi , GB Pant University of Agriculture & Technology , Uttarakhand(Physical mode)

Dr. T.C. Sami, Ex. Director, DRDO, Kanpur( Virtual )

Prof. Vibha Tandon , JNU , New Delhi(Virtual)

Dr. R.K. Dey , Vice Chancellor , Central University of Jharkhand, Jharkhand(Virtual)

Dr. A.K.Bajpai , Govt. Autonomous Science college ,Jabalpur(V)



(Professor Raghuvir Singh vice Chancellor TMU)

MORNING SESSION FROM 10.00AM to 1.00PM(LT-4)

There was lot of excitement on 12th Febuary 2021 among the staff and students Of Department of Chemistry , invited guest, & Researchers from far distances.

In the morning session Ms Indu Tripathi , Assistant Professor Department Of Humanity & Anchor of the program opened the session .

She started the session with the welcome ceremony of the guest and dignitaries

On the dais namely Prof. Raghuvir Singh, Vice Chancellor , Dr . Aditya

Sharma , registrar , Dr . M.G.H. zaidi , Prof. Rakesh Kumar Dwivedi,

Dr . K.A. Gupta, Dr. Varun kumar Singh, Dr Asim Ahmad and all the guests

In virtual mode , Dr. T. C . sami , Dr. Vibha Tandon, Prof. R.K. Dey, &

Dr. A.K. Bajpai with round of applauses . After this she invited Professor

R.K. Dwivedi to introduce the theme of the conference “ RECENT TRENDS

## “RECENT TRENDS IN GREEN ASPECTS OF SCIENCE AND TECHNOLOGY”

IN GREEN ASPECTS OF SCIENCE & TECHNOLOGY “ and emphasized the need to work on this essential aspect to save this beautiful planet . Just after Ms Indu Tripathi , invited Hon’ble Vice chancellor to focus on the importance of this Conference . Hon’ble Vice chancellor added valuable information on the Theme of the conference and the audience showed their interest by lot Of applauses . In continuation of this program Ms Indu Tripathi invited Dr. Asim Ahmad to introduce the importance of this conference and to welcome all the dignitaries on the dais and on virtual mode. It was an excellent step to welcome guests in a fabulous manner .

Soon after this Dr. T. C. Sami , Dr. Vibha Tandon appeared in virtual Mode and delivered informative lectures on the concerned topics.

Really both sessions were very informative and every one appreciated the given talks. The session was adjourned for tea break at 1.00 pm .

EVENING SESSION STARTED AT 2.00PM

The second session was full of enthusiasm and a new dais was made under The guidance of Prof. R. K. Dwivedi , conference general chair. on the dais Hon’ble Vice chancellor , Dr. Manjula Jain , Associate Dean, Professor R. K. Dwivedi, Professor M.G. H. Zaidi , Dr. Souvik Sur , Dr. A.D. Tripathi were present . Ms Indu Tripathi again welcomed the guests, HoDs faculty and resource persons on virtual mode. Dr. Zaidi presented power point on the concerned topic and showed interesting slides from ancient times. He showed gradual increase in environmental changes and present need of all researchers to implement green aspects to minimize the pollution and to introduce such technology which may not harm the environment. After his presentation Dr. A. K. Bajpai gave his valuable presentation in virtual mode and showed his curiosity to work safely without harming the environment.



(Professor M.G.H Zaidi)

(G.B. Pant University of agriculture & technology U.K )



## “RECENT TRENDS IN GREEN ASPECTS OF SCIENCE AND TECHNOLOGY”

In the continuation of the program , TMU JOURNAL OF BASIC & APPLIED Chemistry was released by the dignitaries . This journal has been launched By the Department of Chemistry. The journal has been prepared by Dr. A.D. Tripathi , Editor –in –Chief and Dr. Asim Ahmad as Associate Editor. This is a positive step for promoting research and innovation in the department Of chemistry . The report of the conference was presented by Dr. Souvik Sur Including the participation of research scholars , students , academicians from GB pant university , other colleges from the surroundings.

The poster competition was excellent by the students and research scholars.

The posters and on line /off line paper presentations were judged by Dr. M.G. H. Zaidi, Dr . K. A. Gupta , Dr . Navneet Kumar .

The winners were given trophies for first , second and third positions.

The vote of thanks was given by Dr. Asim Ahmad to all the dignitaries, Guests , Professor Zaidi , Vice chancellor , Professor R. K. Dwivedi,

Dr. Aditya Sharma, Dr. Manjula Jain , all the guest in virtual mode and the participants for their valuable participation to make this conference

a grand success. The news spread in UP and other states for this wonderful

conference. He also expressed his thanks to all faculty members of Chemistry, HOD physics and staff for their begin presence and motivation. He expressed

His special thanks to Ms Indu Tripathi for motivating anchoring and whole

Hearted support to make this conference a grand success.

Written by

Dr. Asim Ahmad



(Professor Rakesh Kumar Dwivedi)



## BASANT PANCHAMI 2K21

Faculty of Engineering & Computing Sciences Teerthanker Mahaveer University was bubbling with religious fervor and enthusiasm on the occasion of Basant Panchami, a festival celebrated to mark the beginning of spring and Holi Seasons. The entire ambience was filled with joyousness. The faculty and the students arrived dressed in glowing shades of yellow, which is the traditional colour of Spring and associated with Goddess Saraswati, the goddess of knowledge, wisdom, arts, aesthetics, literature, music, and sciences in Indian culture who is equivalent to nine muses that were considered source of inspiration in Greek and Roman cultures. As far Indian Culture is concerned, Sarswati is revered for inspiration to do well in the all aforesaid spheres. Each and every educational institute with education celebrates Sarswati Pooja on Basant Panchami.

Prof.R.K.Dwivedi, Director & Principal FoECS paid floral obeisance to the idol of goddess Saraswati. The spring of joy took over when a prayer ceremony worshipping Goddess Saraswati was led by offerings of spring flowers by faculty and students of the college along with distribution of Prasad amongst all.

Beautiful pieces of Art related to Basant Panchmi were decorated on the boards which were adding more grace to the celebration. Furthermore, a floral rangoli with yellow and orange coloured flowers reflected the brilliance of nature and the vibrancy of life.

The celebration filled the day with positive and spiritual vibes.



(Prof. Rakesh Kumar Dwivedi)



(Professor Rakesh Kumar Dwivedi & Mr. Manish Tiwari)

**A Voice of an effort...**

## National Educational Conclave On National Education Policy 2020

President of Inaugural Session- Shrimati Gulab Devi, Minister of State for Secondary Education, Government of Uttar Pradesh, India

Chief Guests-

•Dr. Hari Singh Dhillon, Member of Legislative Council, Teachers Constituency Bareilly-Moradabad Division, Uttar Pradesh, India

•Dr. Jaipal Singh Vyast, Member of Legislative Council, Graduates Constituency Bareilly-Moradabad Division, Uttar Pradesh, India

Guest of Honour- Mr. Pradeep Kumar Dwivedi, District Inspectors of School, Moradabad, UP, India

Special Invitees- Principals of Moradabad & Nearby Places

Conference General Chair- Prof.R.K.Dwivedi, Director & Principal Faculty of Engineering & Computing Sciences, TMU

Faculty of Engineering & Computing Sciences, Teerthanker Mahaveer University, Moradabad organized National Education Conclave 2021 on National Education Policy 2020 on 28th February & 1st March 2021 with an intention to take it up as a challenging mission which is, undoubtedly, indispensable and crucial for our youthful Nation for making students self-confident, self-dependent and self-actualized by offering them specialized training modules which will empower them for success in life. The college exceedingly appreciates the focus, direction and efforts made by the contemporary government in the field of Educational Development by proposing National Education Policy 2020 at School and Higher Education level and aspire to contribute our share by offering specialized services in the core domain of Engineering, Technology & Applied Sciences.

The event was inaugurated with auspicious lamp lightening ceremony by the holy hands of Shrimati Gulab Devi, Dr. Hari Singh Dhillon, Shri Suresh Jain, Hon'ble Chancellor TMU, Shri Manish Jain, Group Vice Chairman TMU, Dr. Aditya Sharma, Registrar TMU, Dr. Manujala Jain, Associate Dean TMU, Prof R.K.Dwivedi, Director & Principal FoECS, Invited principals, Heads of FoECS.

The lamp lightening was followed by with a scintillating invocation Dance-Ganesh Vandana. The props and costumes added colour to the performance with the synchronized dance movement to the foot tapping music.

After lamp lightening the moment came for which the college was waiting since long and it was time to unveil the unwavering efforts in the form of release of Conclave Brochure, S& T (International Journal of FoECS) and Unlock ( Magazine which documented all webinars, FDPs organized during Lockdown )

Moving ahead, the anchors Dr. Sonia Jayant & Ms. Neha Anand invited Prof.R.K.Dwivedi, Conclave General Chair to welcome all the dignitaries to grace the dice.

Prof.Dwivedi, in his welcome address, welcomed all above stated dignitaries and invited principals who accepted the invitation to grace the event. Prof. Dwivedi opines, "FoECS is organizing this Education Conclave on "National Education Policy 2020" as a part of our continuing commitment to social transformation. The aim to move towards India's National Education Policy 2020 is to facilitate an educational model that brings affordable and quality education of choice to all children. We need to provide a much needed platform to recognize critical issues in the education sector assess existing programmes, explore strategies to face the challenges ahead and ideate on ingenious solutions to provide quality education to all children in India.

Dr. Manujala Jain, Associate Dean TMU, put forward the main philosophy behind the National Education Policy-2020. She said that the process of making this policy is based on democratic values of our Nation. In a way, this is the People's Education policy. This policy talks about inclusion in a broader sense and constructively addresses our National needs. He highlighted that till now, we had taught language just as literature. But language has its own structure and dimensions and it is fundamental to literacy along with numeracy. So, it should not only be associated to literature only and separately. She also tried to locate and correlate NEP-2020 historically with different educational and institutional development in the field of education in India.

## National Educational Conclave On National Education Policy 2020

After the address of Dr. Manjula Jain, Mr. Pradeep Kumar Dwivedi, District Inspectors of School, Moradabad, delivered his views on the features of Higher Education mentioned in NEP-2020. He said that this is a remarkable Policy for the golden future of our National Education. He welcomed the approach of this policy to associate different skills to cognitive skills at different level of learning.

Afterwards, Mr. Sonar, principal DPS, Moradabad stated that the children of the 21st Century have a different expectation and aspirations from our education system than the generations that have preceded them. This is a generation which is constantly seeking, thinking, formulating, exploring and challenging their own views and opinions. Few years from now, these children will be in positions of power in diverse sectors, dictating the direction of our country and economy. We need a system that puts the child at the centre of education and facilitates the shift from rote learning to student understanding. This requires us to constantly re-examine education in terms of institutions, pedagogy and methodology. We must break from our conventions and rethink the kind of teachers, the curriculum and the kind of school leadership in effect—a rethinking of the school space. These changes are not possible without structural changes at a policy level that will both facilitate and reinforce them.

In the series. Dr. Hari Singh Dhillon, in his address, highlighted that this National Education Policy-2020 is an end of Macaulian Era. Its a visionary policy for our Nation Building and Golden Future of Education. This policy will pave the way of social and academic equality, value orientation and independent society. He stated that the role of teachers for the development of nation is very well recognized by this new education policy. He emphasized that it is the first policy, which is optimally utilizing all the existing resources as clustering of colleges, multi-disciplinary education, new one regulatory authoring and promotion of mother tongue. Originality of thinking, critical thinking and scientific temper will be groomed at the maximum level by the implementation of this new education policy.

Moving ahead, Shri Suresh Jain said that “After 34 years here we are with a new policy but the same vision to make India a global leader in education sector. Now the focus has shifted to reintroduce education in a way so that there is a symphony in industry and academia. Knowledge driven education is now being integrated with experiential learning and that is definitely going to be a turning point. Now research funding and govt. support is being given to public and private educational sector alike and that will bring surplus returns in the near future”.

Afterwards, Shrimati Gulab Devi said that “A new door for liberal education has paved a path and the choice based credit system of UGC will lead to a new era where the students will have a medium to pursue their passion. The liberal education era will be the one to bring a considerable change” This is the 3rd education policy and after a very long wait we have New Education Policy 2020 where the focus is not just education but to develop an entire generation that takes pride in India and the culture we represent. The vision is such that any student who has invested even a year should not walk away without any certificate and the autonomy prevails within the educational system.



(Smt. Gulab Devi & Dr. Hari Singh Dhillon)

**A Voice of an effort...**

## National Educational Conclave On National Education Policy 2020

After the address of eminent guests and renowned speakers, Honrable Chancellor Shri Suresh Jain & Group Vice Chairman, Shri Manish Jain presented memento to all esteemed guests as a token of gratitude and reverence.

Shawl and bouquets were presented to all invited principals of Moradabad & nearby places.

Vote of thanks was proposed by Dr. Aditya Jain. He stated that now is the time to become a

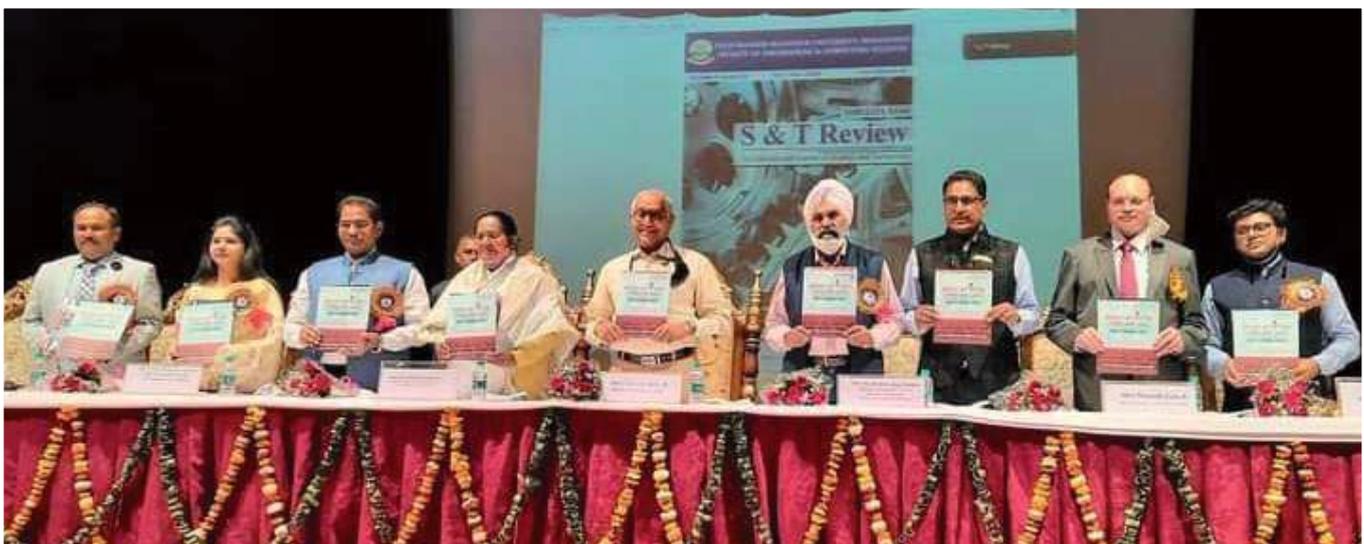
„karmyogi and implement what policy has been put in front of us and make it a huge success. Skill Development, Social Entrepreneurship, and Industry-Academia integration are the new era deliberations and focus points and we all collectively need to dedicate and invest ourselves for this holistic new policy to be a success.

This is a new phase and every change brings challenges and opportunities alike. Training of faculties and teachers is another shift we need to bring and yes we can do that with precision because they are the ones who will implement, and their involvement is of supreme importance.

The event came to closure with National Anthem. The event was anchored by Dr Sonia Jayant & Ms.Neha Anand (Conclave Convener) The entire organizing team along with constituted committees put their utmost efforts to make the event a grand success.



(Dr. Manjula Jain and Smt. Gulab Devi)



## Education Conclave 2021 session :1

The second session was coordinated by Prof. Asim Ahmad and distinguished speakers were invited to share their views on national education policy-20. The main theme of the session was Restructuring School Curriculum and Pedagogy in NEP 20.

Ms. Neelam Kulshreshtha, DOE, Delhi joined us virtually and discussed about the government plans to set up subject-wise committees with members from relevant ministries at both the central and state levels to develop implementation plans for each aspect of the NEP. The plans will list out actions to be taken by multiple bodies, including the HRD Ministry, state Education Departments, school Boards, NCERT, Central Advisory Board of Education and National Testing Agency, among others. Planning will be followed by a yearly joint review of progress against targets set. The NEP doesn't say anything specifically on children of parents with transferable jobs, but acknowledges children living in multilingual families: "Teachers will be encouraged to use a bilingual approach, including bilingual teaching-learning materials, with those students whose home language may be different from the medium of instruction."

Dr Pankaj Kumar Goswami elaborated that in a significant shift from the 1986 policy, which pushed for a 10+2 structure of school education, the new NEP pitches for a "5+3+3+4" design corresponding to the age groups 3-8 years (foundational stage), 8-11 (preparatory), 11-14 (middle), and 14-18 (secondary). This brings early childhood education (also known as pre-school education for children of ages 3 to 5) under the ambit of formal schooling. The mid-day meal programme will be extended to pre-school children. The NEP says students until Class 5 should be taught in their mother tongue or regional language. The policy also proposes phasing out of all institutions offering single streams and that all universities and colleges must aim to become multidisciplinary by 2040. The session was highly admired by the online and offline participants including principals, faculty members and students.

Dr Sandeep Verma discussed in detail about the main challenges related with the policy implementation. He said that the Union cabinet in July 2020

approved the New Education Policy (NEP), which aims at universalization of education from pre-school to secondary level. NEP-2020, which will replace the National Policy on Education-1986, is an inclusive framework focusing on the elementary-level of education to higher education in the country. As the objective of any education system is to benefit children so that no child loses any opportunity to learn and excel because of circumstances of birth or background, NEP-2020 has a target of 100% Gross Enrolment Ratio (GEER), in school education by 2030. The Policy reaffirms that bridging social gaps in access, participation, and learning outcomes in school education will continue to be one of the major goals of all education sector development programmes.

The session was highly admired by the online and offline participants including principals, faculty members and students. The session was ended with vote of thanks of session coordinator Prof. Asim Ahmad.



(Professor Rakesh Kumar Dwivedi & Shri Akshat Jain)

**A Voice of an effort...**



(Professor Rakesh Kumar Dwivedi & Mrs. Swetangna Santram  
Principal of Wilsonia College )

In the second day of the Conclave2021 , the following key note speakers from various schools /representative participated in the session and focused on NEP2020. Dr. Asim Ahmad chaired the session for this wonderful Education Conclave2021.

1- Key note address –by Ms Arshia Mehrin , sr. teacher, White hall , Rampur UP. 2- Key note address by –Ms Sonia Jayant , Humanity, FOE&CS, TMU, Moradabad.

3-Key note address –by Dr. Parag Agarwal , Department of Physics, FOE&CS, TMU, Moradabad.

4-Key note address by – Mr Raghvendra Kumar Singh , EE, FOE&CS, Moradabad.

5-Vote of thanks –by Mr Rupal Gupta, CCSIT, TMU, Moradabad.

REPORT-- The session started with full energy and interest to understand The NEP2020. Firstly Dr. Asim Ahmad , said that the aim of NEP is to make India, Global Knowledge power house but implementation of the policy must go smoothly for the benefit of people and should attain popularity In the World. The Anchors invited Ms Arshia Mehrin to speak over the NEP2020. She expressed her views in a very different way which seems to be more Practical and beneficial . She said as a SST teacher we are teaching about the Great leaders of India eg. Mahamma Gandhi Ji , but she said instead of teaching philosophy and thoughts of Mahatma Gandhi Ji , every one Must work to produce New Gandhi . The whole LT-2 started applauds .She also spoke that as per NEP , foreign Universities will develop their Campus in India and it will be a great loss for the Nation . The Indian people will prefer to send their wards to foreign universities and Indian Universities will be abolished gradually. She expressed her curiosity on some of the NEP points and said implementation of this policy seems to be difficult and time period 2040 is a big time for its complete implementation. She got lot of appreciation for her views. She expressed the difficult part of the NEP as well.

Dr. Sonia Jayant was invited by the anchors to speak over the NEP2020. She summarized the theme of NEP to re -imagine education as learning and broad metal development , getting away from rote learning and test Preparation . The over all themes of breadth , flexibility and room for discovery carry through to the recommendations for the inclusion of trans genders in higher education .

Dr. Parag Agarwal added that NEP has been revamped after 34 years . The purpose of NEP is a frame work to guide the development of education in the country. This the India s third policy Which replaces the 1986 NEP. According to the Government , the

NEP2020 Is formulated after having 2 lakh suggestions from different levels of local Self bodies , 2.5 lakh gram panchayats, 6,600 blocks .The aim of equity and inclusion is now at the heart of new NEP. He said policy is designed to avoid segregation and isolation Of ethics and linguistic minorities , those with disabilities and those who face learning difficulties due to language barriers and are at the risk of educational exclusion. The session went smooth with applauds.

Lastly Mr . Raghvendra Sigh was invited to summarize the total event. Mr . Raghvendra covered all information from day-1 to day-2 . He also Focused on the applications of NEP. Professor R.K. Dwivedi said that Mr. Raghvendra kumar Singh has summarized all speakers and their Valuable out comes on NEP2020 very well for the benefit of audience.

The vote of thanks was given by Mr. Rupal Gupta in a very condensed manner in nut shell praised the smart work of Professor R. K. Dwivedi. ,Director and Principal , FoECS and organizing team.The session was adjourned with National Anthem.

Dr. Asim Ahmad

# NATIONAL SCIENCE DAY CELEBRATION

Department of Physics celebrated “National Science Day-2021” to commemorate the discovery of the Raman Effect by the Nobel Laureate, Sir C.V. Raman. The theme of the year was “Future of STI: Impacts on Education, Skills and work”.

The program started with inauguration ceremony and speech by Director, Prof. R. K. Dwivedi. Prof. Dwivedi in his address shed light on life and achievements of Sir C.V. Raman.

Dr. Diptonil Banerjee & Dr. Parag Agarwal in their speech highlighted the significance of celebrating Science Day. They explained different phenomenon of scattering in natural sciences.

A Science Exhibition was organized, in which students displayed their working models and posters. There were 12 working models and 14 posters, made by different streams of students of FoECS. Some of the topics were Sound Conversion, Waves Simulator, Water Alarm, Vacuum Cleaner, Circular Collider, Electric Phase Changer & Automatic Door Alarm.

## Glimpses of Working Models

The working models prepared for science exhibition by the students reflected their innovative ideas, creativity and talents.

## Glimpses of Poster Presentation

Excellent Poster presentations on various concepts of science and technology were displayed by the students of FOE&CS.

A Science Quiz was conducted and 42 students of different streams participated. The event was organized by Dr. Pavan Kumar Singh.

Prof. R. K. Dwivedi, Director and Professor, FoE&CS and Dr. Amit Kumar Sharma, Head of the Department of Physics, encouraged the students by distributing prizes to them.

## National Science Day 2021 Winners

### 1. Science Quiz

Ist prize - Paras , B.Sc.(Hons.) Chemistry 3rd year

Shalini Tiwari, B.Sc.(Hons.) Chemistry 3rd year

Saransh Chauhan, B.Sc.(Hons.) Chemistry 3rd year

2nd prize - Chital Jain, Aditya Kumar, Aman Jain (BCA 2nd year)

3rd prize - Mohd. Ayaan, Badal Raj, Mohd. Suhail (B.Tech. CSE- IBM 2nd year)

### 2. Poster Making

Ist prize - Nainsi Tomar, Pratha Sharma, B.Sc.(Hons.) Physics 2nd year

2nd prize - Pushpanjali Singh, Mohd. Kamran, M.Sc. physics 2nd year

3rd prize - Hrishika Komal, B.Tech. CSE 2nd year

### 3. Model Presentation

Ist prize - Sankalp Jain, Amit Kumar Dhali, B.Sc.(H) Physics

2nd year

2nd prize - Kishore Karthikeyan A. T., B.Sc. Forensics 2nd yr

3rd prize - Kashish, Ivanshu, Pranjal, B.Tech ME 4th year

Prof S P Pandey proposed the Vote of Thanks.

The program concluded with vote of thanks by Prof. S. P. Pandey.



**A Voice of an effort...**

## IBM Cap Distribution

College of Computing Sciences and Information Technology distributed the IBM Caps for B.Tech CSE- IBM students and Instructors on 6th March, 2021

25 students received the caps. The distribution process was carried out successfully by joint efforts of TMU and IBM. The caps were distributed by Prof. R.K. Dwivedi Director and Principal, FoE&CS, Teerthanker Mahaveer University and Dr. Rajeev Kumar Program Coordinator of B.Tech IBM , CCSIT, TMU Moradabad.



## INTERNATIONAL WOMEN'S DAY CELEBRATION

A woman is a full circle. Within her is the power to create, nurture and transform. A woman is the epitome of love, sacrifice, care and ability to nurture life. Women now are more empowered and aware of their rights and society has accepted their stand. Society is changing and paving the way for the growth of women. The changes can be seen in the fields of education, healthcare, and job opportunities. The new decade has seen a marked change in attitude towards women at large. The ability to find a balance between home, family, friends and work makes them the irreplaceable pillars of our society.

International Women's Day is celebrated to acknowledge the economic, political, social and cultural achievements of women from all walks of life. The theme for 2021, is Choose To Challenge. International Women's Day was celebrated on 8th March, to raise awareness about the status and dignity of women. This event was organized under the banner of WEC committee, CCSIT.

The Guest of Honour for the event were Dr. Manjula Jain, Additional Dean and Dr. Vaishali Dhingra, Joint Registrar. The significance of the day was aptly highlighted by Prof (Dr) R K Dwivedi, Director and Principal, FoE&CS. Dr Manjula Jain and Dr Vaishali Dhingra in their speech encouraged all the women to keep excelling consistently and keep moving forward to the path of glory.

A number of students took part in the Competitions organised to promote creativity among the students. The dance performances were theme based and enjoyed by one and all.



# WEBINAR- Engineers' Role in Energy Conservation, Energy Efficiency, Use of Renewable Energy, Environment, Climate Change

Department of Electrical Engineering and Electronic & Communication Engineering, Faculty of Engineering and Computing Sciences, Teerthanker Mahaveer University Moradabad organized an online Webinar in association with Petroleum Conservation Research Association (PCRA), Ministry of Petroleum & Natural Gas, GOI, New Delhi, on "Engineers' Role In Energy Conservation, Energy Efficiency, Use of Renewable Energy, Environment, Climate Change", on 17th March, 2021. The session was coordinated by Dr Garima Goswami, HoD, EE and Mrs. Sakshi Singh, CoD, ECE. Eminent speaker Shri K.K. Mahajan, Chartered Engineer, PCRA, Gov of India called it a wonderful session on energy conservation. More than 125 participants joined the session and got acquainted with the vision of PCRA.

In the welcome speech Dr Pankaj Kumar Goswami elaborated the theme of the webinar. He said that for a very long period of time we have been watching the statutory warnings of fuel conservation from PCRA on various communication media like television, radio or newspapers. He said that we are highly fortunate to have an eminent personality among us to throw some light on energy conservation, he emphasised on the need of conservation and the role of engineers for energy efficiency and energy conservation.

In his address Prof. R.K. Dwivedi, Principal, FoECS discussed in detail about the main challenges and need of energy conservation. He said that now-a-days the fear of running out of all our energy resources is the new buzz which is going around. The main reason for this energy crisis is over consumption of energy resources. If this problem is overlooked now then our future generations will be deprived of the basic amenity like electricity. More and more commercial organizations as well as residential buildings are coming forward and using the occupancy sensors and light sensors to reduce their electrical bills which, as an end result is helping in conserving energy.

Shri K.K. Mahajan, Chartered Engineer, PCRA, Gov of India, addressed the common issues related to the energy conservation. He said that over the years, PCRA has developed a number of films, TV spots and radio jingles in various languages for promoting oil conservation. PCRA also publishes a quarterly journal and a newsletter. Active Conservation Techniques (ACT), is a journal, containing articles on technology by energy experts. It also brings out successful case studies leading to conservation of energy. The conservation news is an in-house newsletter highlighting the major activities carried out by PCRA in the core sectors. He explained about the PCRA objectives to create awareness among masses about the importance, benefits and methods of conserving petroleum products & clean environment by enhancing information and capacity building. To promote research, development and deployment, efforts are aimed at petroleum conservation & environment protection, support & facilitate efforts for adoption and dissemination of fuel-efficient technologies and substitution of petroleum products with alternate fuels.

The session was highly appreciated by the online and offline participants. The session concluded with vote of thanks by session coordinator Mrs. Sakshi Singh, CoD, ECE. The session was highly appreciated for valuable information content and admired for the joint efforts of students & faculty members of Electrical and Electronics & Communication Departments. Mr. Raghvendra Singh, Mr. Umesh Kumar, Mr. Rahul Vishnoi and B.Tech students Tripti and Rahul were praised for their sincere efforts.



**A Voice of an effort...**

# A visit to Incubation Facility- INurture Incubation Foundation at ABES-EC Ghaziabad

## ACKNOWLEDGEMENT

We are grateful to Prof. Raghuvir Singh, Hon'ble Vice Chancellor and Dr. Aditya Sharma, Joint Registrar, for being supportive and providing a great opportunity to the students to interact with the corporate world. We are deeply indebted to Prof. (Dr) Rakesh Kumar Dwivedi, Director & Principal FoECS, without whose guidance and cooperation the visit would not have been possible.

Our sincere gratitude to Shri Mahendra Kumar Gupta, Chief Executive Officer, Inurture Incubation Foundation, ABES Engineering College, Ghaziabad for giving us permission for visit.

## INFORMATION

Faculty of Engineering, Teerthanker Mahaveer University Moradabad organized a visit to Incubation Facility, INurture Incubation Foundation at ABES-EC Ghaziabad for the students of B.Tech (EE/EC/ME/CE/CS), B.SC (H) & M.SC (PCM) on March 19, 2021 under the banner of Institution's Innovation Council (An initiative of Ministry of Education).

Incubation is a unique and highly flexible combination of business development process, infrastructure and people, designed to nurture and grow new and small businesses by supporting them through early stages of development and change.

A business incubator is a workspace created to offer start-ups and new ventures with access to the resources they need, all under one roof. In addition to a desk or office, incubators often provide resident companies with access to expert advisors, mentors, administrative support, office equipment, training, and potential investors. Most incubators are created as temporary launching pads for new businesses, with the expectation that participants will eventually graduate and move out.

The journey of entrepreneurship at ABES Engineering College, Ghaziabad was started with the support of AICTE, New Delhi in the year 2009, by setting up Entrepreneurship Development Cell (EDC). It is an initiative to expedite the culture of entrepreneurship amongst the students and faculty members of ABES-EC, through various programmes and activities. There is a dedicated state-of-art space of around 16000 sq. ft. area with incubation facilities like co-working space, high-end internet connection, conference/meeting room, workshop, computer lab etc. The experienced and knowledgeable mentors' pool connected with incubation centre provides support to students in their entrepreneurial journey.



## A visit to Incubation Facility- INurture Incubation Foundation at ABES-EC Ghaziabad

### PURPOSE OF VISIT

The basic objective behind this visit was to understand the concept of Incubation centres, to see the facilities provided by such centres and to know their model of operations.

During the visit the students were motivated to engage themselves in innovation, research and entrepreneurial activities related areas.

A brief about INurture Incubation Foundation was given by Mr. Mahendra Kumar Gupta, CEO, INIF. The students got the chance to visit the latest research equipped laboratories of the incubation Centre and got the feel of the latest research and innovations in Centre of Excellence (Automobile), ORBITS, Pneumatics Lab & CNC, IC Engine Research Lab . Mr. R.S. Raman, Mr. Rahul Khanna, Mr. Rakesh Gupta, Mr. Vivek Verma, Mr. Rahul Virmani and Mr. Madhur Saxena accompanied the students.

The visit was the interface between the idea and the corporate world. All those who attended experienced the moment. During the visit the students were motivated to engage themselves in innovation, research and entrepreneurial activities related areas.

The experience of this visit was fantastic and unforgettable. It was reverberating experience which was cherished by all. Mr. Pradeep Kumar Verma and Dr. Gulista Khan also accompanied the students.



## MIC-IICs College of Computing Sciences and Information Technology

Institute Innovation Council of College of Computing Sciences & Information Technology organized a one day workshop on Intellectual Property rights and IP Management with main objective to create awareness among students about the intellectual property and how they could protect it from unauthorized use. Resource person for the event was Mr. Kumar Tushar Srivastava, Bell Certified IP professional & registered patent agent, he has a rich experience of 15 years. Event was started with lamp lighting and chanting prayer of Goddess Saraswati, a diety of knowledge and wisdom. After which guests were welcomed with bouquets.

Prof. Rakesh Kumar Dwivedi, Director FoECS in his welcome address said that India is moving fast in the field of Innovation and to protect them, following are required- patents, copy rights, trademarks and trade secrets. China leads the world in terms of patents while India has the largest number of ideas in the world. The purpose of this workshop was to provide information about intellectual property rights and patents.

Chief Guest began his address by focusing on the importance of intellectual property and ways to protect it. He said one should register his intellectual property to protect it and prevent other persons to use it. If someone wants to use it he/she has to take prior permission similarly like other assets. That is why, along with teachers, students should also know about IPR-IPR. He elaborated on how one can secure intellectual property inside India. In addition to India, patenting in the US, Canada and the European Union protects our own intellectual property rights globally, as patent repositories of all these countries are linked to each other. Citing the example of companies



**A Voice of an effort...**

## MIC-IICs College of Computing Sciences and Information Technology

like Kodak and Blackberry, Mr. Srivastava said, large companies that did not pay attention to patents have suffered a lot of financial loss today. Due to this many companies disappeared from the world market. Resource person Mr. Srivastava told, how and where to apply for patent. The scope of innovation is always there. He also said, that whatever you invest, keep it safe too. What is intellectual property? He also gave information about various intellectual property rights - Patents, Copy Rights, Design, Trade Marks, Trade Secret and Geographical Indication. The government grants patents on the basis of novelty, utility and inventive steps. He also dispelled patent-related misconceptions. Software and mobile applications are also patent-eligible. Along with the product, the process can also be patented. If many people get patented together, then the order of their names does not matter. Patent Cycle - Invention, Evaluation, Drafting, Filing, Provision, Grant and Commercialization were discussed in detail.

Event was concluded with a query session where the resource person resolved the doubts of participants regarding patents. Questions like which intellectual properties could be patented and why, were answered. Some queries were about the difference between patents awarded by Indian Govt. and Australian Govt. Finally chief guest was given a memento by Principal, Prof. R K Dwivedi and vote of thanks was presented by the anchor. Approximately 86 students and 25 faculties were present in the event and become aware about the patents and the process followed for obtaining the same.



(Professor Rakesh Kumar Dwivedi & Mr. Kumar Tushar Srivastava)

## SPLASH 2k21

On 23 March 2021, Faculty of Engineering and computing Science successfully organized SPLASH 2021 in the presence of honorable Director & Principal of FoECS Professor R K Dwivedi and Associated Dean Dr. Manjula Jain, Head of Department Dr. Ashendra Kumar Saxena, with Cultural Coordinator of CCSIT Ms Hina Hashmi and Miss Neha Anand from FoE.

The Theme for event was “SPLASH -the joy of colors”. There were various competition for the students like Dance, Singing, Standup comedy (open mic, poetry), Best stall of the day. The event was completely engaged by lots of Participants with full of enthusiasm and cheers.

The judges for Singing, Standup Comedy & Dance competition were Dr.Garima, Dr. Diptotil Banarjee from FoE), Dr Sandeep, Ms. Shikha Gambhir from CCSIT

Coordinators were Ms Nikita, Mr. Amit, & Ms Nisha(civil).

The judges and coordinators for Rangoli, Craft, Mehendi competition were Ms. Indu & Ms.Sakshi (FoE) Dr.Megha Sharma, Mr. Harjinder Singh (CCSIT).

Over all coordination was handled by Ms.Hina Hashmi along with Ms Neha Anand and whole splash volunteer team. Overall event was hosted by Khushi Agarwal & Shivam Gupta.

### Winners of various activities:

1. Singing -- Anjali
2. Dance-- Harshita Bhateja, Umang Aggrawal
3. Poetry -- Sahil Abbas Naqvi
4. Stand Up Comedy -- Tarun
5. Rangoli—Anjali
6. Best Stall Award--- Priyanshi & Group



(Mr. Manish Tiwari)

**A Voice of an effort...**

## Fresher Party -2021 Department of Physics, FOE

The student's fresher party was organized in the Department of Physics, Faculty of Engineering, Teerthanker Mahaveer University. Senior students organized the party to welcome their junior students. Program was inaugurated by the Director of Faculty of Engineering; Professor Rakesh Kumar Dwivedi who encouraged the students to love each other like a deserving citizen. The students pledged to follow their director's orders. Head of the department, Dr. Amit Kumar Sharma, advised the children to be regular and take advantage of all the opportunities of entertainment while completing their daily curriculum. Various types of recreational and intellectual games were organized in this party. Students enjoyed a lot during the event. On this occasion, Dr. Amit Kumar Sharma, Professor S. P. Pandey, Dr. Varun Kumar Singh, Dr. Ajay Kumar Upadhyay, Dr. Vishnu Prasad Srivastava, Dr. Diptonil Banerjee, Dr. Asim Ahmed, Dr. Amit Kumar Gangwar and students from various departments were present.

Students of Physics Department took part in the Fresher Party and presented various programs, in which prominently games, riddles, dance etc. were presented by the students. The games mainly featured Pick and Drop, Hankey Panky, Musical Chair and Paper Dance etc. B.Sc. (Hons.) Physics and M.Sc. Physics Senior students explained about the culture of the college to the junior students. Aditi Kamini, Aarti, Deeksha, Pushpanjali Singh, Anjali Saxena, Ankita and Harshita Bijeta performed dance on enchanting numbers.

Vishal and Sankalp made the audience laugh by their standup comedy. The program was conducted by B.Sc. second year students Pratha Sharma and student Swatantra Kumar. Mr. Fresher and Miss. Fresher- 2021 title was bagged by Satyam Rawat (M.Sc.I Year) & Aarti (B.Sc.I Year) respectively. The program was organized in the LT-4 auditorium of the Faculty of Engineering. At the end of the program, Dr. Amit Kumar Sharma, Head of the Department of Physics, encouraged the students by distributing prizes to the participants.



# “Entrepreneurship as a Career Choice”

## Brief details of the event:

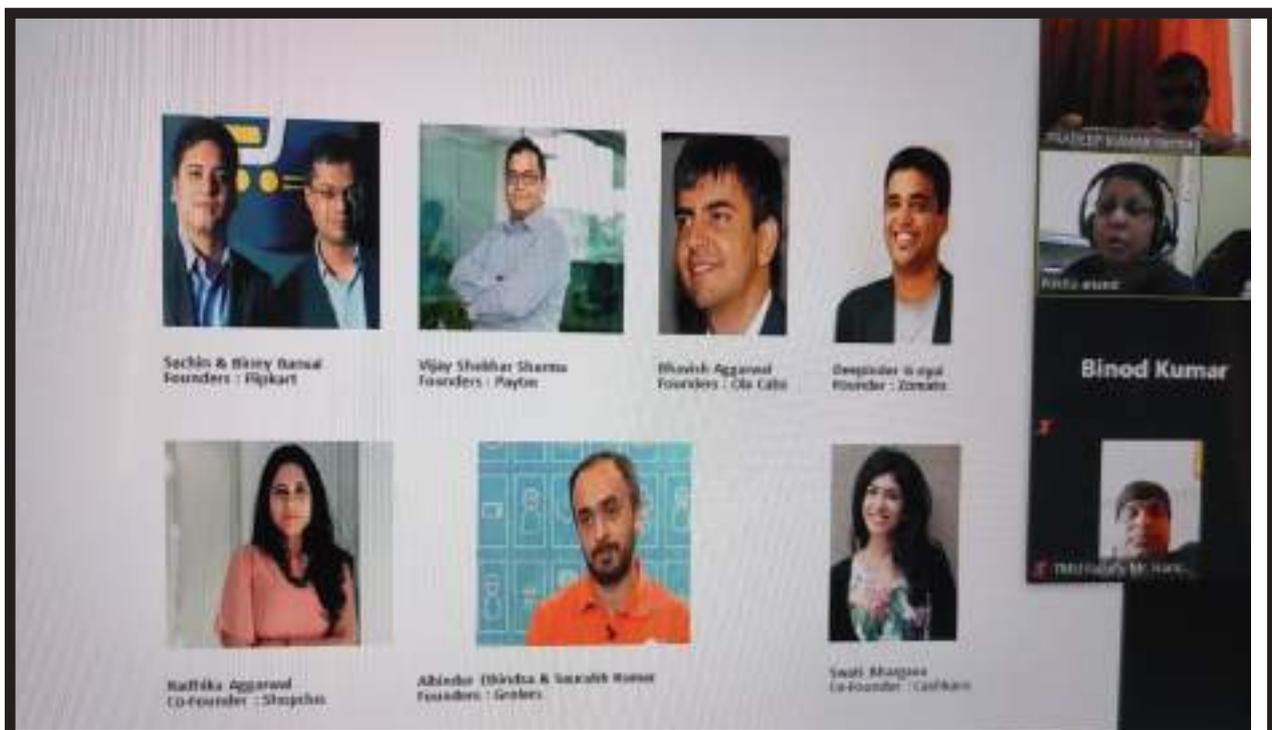
On 26th March 2021, Institution’s Innovation Council, Faculty of Engineering, Teerthanker Mahaveer University Moradabad had organized an online session on “Entrepreneurship as a Career Choice” for the students and faculty in association with Entrepreneurship Development Institute of India (EDII). Being a national resource organization, the Entrepreneurship Development Institute of India (EDII), Ahmedabad extends its expertise to the nation building through reaching out to all the academic institutions. The fundamental aim to outreach academic institutions is to communicate with young minds on ‘Entrepreneurship as Career Choice’. We take privilege to attach concept note for a webinar on the above-mentioned theme.

Emergence of an ecosystem based on entrepreneurship has opened vast sets of opportunities for young India. The government’s intention to promote entrepreneurship has been articulated time and again through its initiatives like Start-up India, stand up India, Digital India, Make India, Aatma Nirbhar Bharat and Vocal for Local Initiative. Even the Hon’ble Prime Minister’s vision to turn India into a USD 5Trillion economy by the year 2024-25 is possible only through imbibing entrepreneurship at a large scale. The massive emerging ecosystem of entrepreneurship requires trained professionals who are able to take the leadership position and steer the entrepreneurial ambitions. The objective to reach out to institutions at large is to contribute its share to nation-building through promoting entrepreneurship among young minds.

The main objective of conducting this session was to provide a kaleidoscopic view of the emerging entrepreneurial ecosystem for young India and assist them in navigating through the idea of entrepreneurship as a career choice. Session was designed to help students to understand the fundamental nuances and envision career opportunities in the field of entrepreneurship.

### Expert Narration:

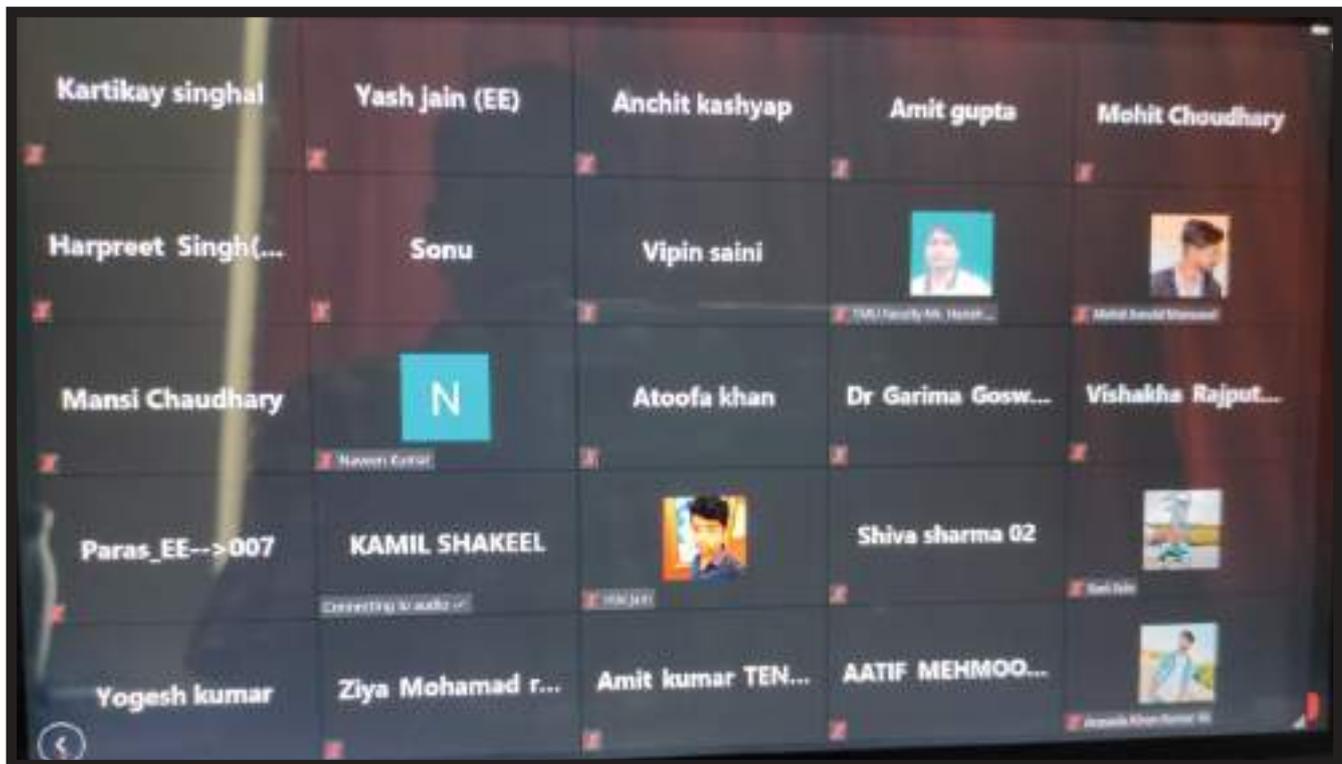
CA Nikita Anand is an educator in the area of Accounting, Costing, Management Accounting, and Finance has over 15 years of experience in academic and Industry. She is pursuing a Ph.D. on the topic ‘To study the acceptance level of technology in personal finance with special reference to different demographics and social-economic factors of investors in selected cities of Gujarat state’ from GLS University.



## “Entrepreneurship as a Career Choice”

Ms. Nikita Anand started her talk with the basics of Entrepreneurship as Entrepreneurship is the ability and readiness to develop, organize and run a business enterprise, along with any of its uncertainties in order to make a profit. The most prominent example of entrepreneurship is the starting of new businesses. She narrated “The Japanese: Fish & Shark Story”. The Japanese have always loved fresh fish. But the water close to Japan has not held many fish for decades. So, to feed the Japanese population, fishing boats got bigger and went farther than ever. The further the fishermen went, the longer it took to bring the fish. If the return trip took more time, the fish were not fresh. To solve this problem, fish companies installed freezers on their boats. They would catch the fish and freeze them at sea. Freezers allowed the boats to go farther and stay longer. However, the Japanese could taste the difference between fresh and frozen fish and they did not like the taste of frozen fish. The frozen fish brought a lower price. So, fishing companies installed fish tanks. They would catch the fish and stuff them in the tanks, fin to fin. After a little thrashing around, they were tired, dull, and lost their fresh-fish taste. The fishing industry faced an impending crisis! But today, they provide fresh-tasting fish to Japan. How did they manage...? To keep the fish taste fresh, the Japanese fishing companies still put the fish in the tanks but with a small shark. The fish are challenged and hence are constantly on the move. The challenge they face keeps them alive and fresh! This has given a lesson to us that “Challenges keep us energized.” Don’t create Success and revel in it in a state of inertia. We have the resources, skills and abilities to make a difference. We must grow and become a problem solver instead of problem seeker. Ms. Anand said that an entrepreneur is an individual who creates a new business, bearing most of the risks and enjoying most of the rewards.

... Entrepreneurship that proves to be successful in taking on the risks of creating a start-up is rewarded with profits, fame, and continued growth opportunities. She shared successes as well as failure story of some entrepreneur, who have existing Start-ups like Flipkart, Paytm, Ola Cabs, Zomato, Shopclues, Grofers and Cashkaro etc. She discussed about the basic qualities of entrepreneurs. There are no specific educational requirements for becoming an entrepreneur but strong educational background and work experience makes the probability of success slightly higher. While successful entrepreneurs are generally well trained & qualified in their field; specific education qualifications can vary, she added.



# ENTREPRENEUR

## Principal Narration:

Prof R K Dwivedi, Principal addressed the engineers and scientist and told them that since last five year FOE&CS is actively involved in such type of activities. The basic ignition is to give awareness towards start-ups and create an ecosystem to make them stand out from the crowd. The basic objective is to transform them for individual base to team base, prepare them from term plan to project plan and from last moment work to day-to-Day work discipline in profession life. There are lot of problems, whose solution is not known to us. How we will solve these issues is the basic objective of such activities. Usually, we move on in life by remembering the answers but the idea here is to transform towards arriving to the answers. For students, we need to prepare them from Canteen behavior to corporate behavior, from understanding theory to follow activity-based model by such activities. We have a motive to aware them, to be not afraid to move forward with respect to patenting, start-up, entrepreneurial activities.

Learning for the participants:

Participants found the session very informative. Participants asked many questions and showed their keen interest in gaining in-depth information about entrepreneur and entrepreneurship.

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Number of participants across country: Students: 55, Faculty members: 15

Learning Outcomes: Participants got information related to Entrepreneurship.

Vote of thanks was proposed by Mr. Pradeep Kumar Verma.

Glimpses.









## टीएमयू के स्पलैश में बिखरे होली के रंग

### एफओईसीएस के रंगारंग प्रोग्राम में स्टूडेंट्स का जमकर धमाल, स्वादिष्ट व्यंजनों का भी उठाया लुत्फ

बिखरे रंग, जमकर धमाल, स्टाफ और छात्रों का उत्साह, प्रोग्राम में जमकर धमाल, स्टाफ और छात्रों का उत्साह, प्रोग्राम में जमकर धमाल, स्टाफ और छात्रों का उत्साह...



टीएमयू के स्पलैश में बिखरे होली के रंग। एफओईसीएस के रंगारंग प्रोग्राम में स्टूडेंट्स का जमकर धमाल, स्वादिष्ट व्यंजनों का भी उठाया लुत्फ।

## नई शिक्षा नीति से युवाओं को मिलेंगे नए पंख

टीएमयू के स्पलैश में बिखरे होली के रंग। एफओईसीएस के रंगारंग प्रोग्राम में स्टूडेंट्स का जमकर धमाल, स्वादिष्ट व्यंजनों का भी उठाया लुत्फ।



नई शिक्षा नीति से युवाओं को मिलेंगे नए पंख। टीएमयू के स्पलैश में बिखरे होली के रंग। एफओईसीएस के रंगारंग प्रोग्राम में स्टूडेंट्स का जमकर धमाल, स्वादिष्ट व्यंजनों का भी उठाया लुत्फ।

# नई राष्ट्रीय शिक्षा नीति पर टीएमयू में मंथन कल से

मुरादाबाद। तीर्थकार महावीर यूनिवर्सिटी में नई राष्ट्रीय शिक्षा नीति 2020 पर मंथन के लिए शिक्षाविद् शिरकत करेंगे। फैकल्टी ऑफ इंजीनियरिंग एंड कंप्यूटिंग साइंसेज (एफओईसीएस) की ओर से 28 फरवरी से दो दिवसीय संगोष्ठी आयोजित की गई है। इसमें एमएलसी डा. जयपाल सिंह व्यस्त और डा. हरि सिंह दिल्ली बतौर मुख्य अतिथि शामिल होंगे। डीआईओएस प्रदीप कुमार द्विवेदी बतौर गेस्ट ऑफ ऑनर शामिल होंगे। युनिवर्सिटी के प्रेक्षागृह में राष्ट्रीय शिक्षा नीति 2020 के विभिन्न पहलुओं, शिक्षा की सभी तक पहुंच, भागीदारी, गुणवत्ता युक्त शिक्षा, सर्व सुलभ शिक्षा और शिक्षण के प्रति जवाबदेही पर मंथन होगा।

### देशभर से जुटेंगे शिक्षाविद्

कन्वोनर प्रो. राकेश कुमार द्विवेदी ने बताया कि कॉन्क्लेव में कुलाधिपति सुरेश जैन, जीवीसी मनीष जैन, एस्टांडिंग मेंबर ऑफ टीएमयू सोसाइटी अश्वत जैन, वीसी प्रो. रघुवीर सिंह, रजिस्ट्रार डा. आदित्य शर्मा मौजूद रहेंगे। कॉन्क्लेव में मुरादाबाद मंडल के करीब 200 प्राचार्यों को आमंत्रित किया गया है।

एक कदम आत्मनिर्भर भारत की ओर का उद्देश्य लेकर इस शिक्षा संगोष्ठी में एमएलसी डा. जयपाल सिंह व्यस्त और एमएलसी डा. हरि सिंह दिल्ली नई राष्ट्रीय शिक्षा नीति के महत्व पर प्रकाश डालेंगे। राष्ट्रीय शिक्षा नीति में सुझाए गए पाठ्यक्रम एवं शैक्षणिक सुझावों के विश्लेषण के साथ-साथ देश के शैक्षिक ढांचे में शिक्षार्थियों, टीचर्स और समाज में नीति क्रियान्वयन की भूमिका पर भी व्यापक चर्चा होगी। ब्यूरो

मैं हूँ कवि और तुम मेरी संकल्पना हो,  
 मैं गढ़ा हूँ तुम्हें,  
 तुम ही मेरी परिकल्पना हो ॥१॥

मैं ही तुम्हें बाधाएँ एक आकार में,  
 मैं ही तो लामा हूँ तुम्हें संसार में,  
 तुम मेरी ही तो ध्यारी सी एक अल्पना हो।  
 मैं हूँ कवि और तुम मेरी संकल्पना हो ॥२॥

मैं ही तो देखा था तुम्हें एक खूबसूरत में,  
 मैं ही तो लाया हूँ तुम्हें इस आँसू में,  
 तुम मेरी ही संकल्पना की एक कल्पना हो।  
 मैं हूँ कवि और तुम मेरी संकल्पना हो ॥३॥

मैं ही तो देखा हूँ तुम्हें संसार में,  
 मैं ही तो लाया हूँ तुम्हें इस परिवार में,  
 तुम ही मेरी अस्तित्व की परिकल्पना हो।  
 मैं हूँ कवि और तुम मेरी संकल्पना हो ॥४॥

तुम ही तो हो जिसने मुझे पुनः जीवित किया है,  
 तुम ही मुझे आँसू में जीवन दिया है,  
 तुम ही मेरे कर्तव्य की उपासना हो।  
 मैं हूँ कवि और तुम मेरी संकल्पना हो ॥५॥

मैं जब भी लिखता हूँ तेरे बारे में,  
 कलम मेरी धरती जाती है,  
 साँसें मेरी सहम जाती हैं,  
 जब धाद आती हैं माँ की,  
 आँखें मेरी नम हो जाती हैं।

तू बेटे से बहन, बहन से पति,  
 पति से माँ और माँ से दादी माँ,  
 का सफर ऐसी तय करा लेती है,  
 जैसे बेटे को धरती लगाने पर,  
 माँ धकाए के बाद भी  
 खेल-खेल में रोती बेल देती है।

लेरी बचपन की भाँदें,  
 स्कूल के वो दोस्त,  
 महोल्के की सहेलियाँ,  
 सब छूट जाती हैं,  
 जब तू इन्हें बनबे किसी और के घर आती है।

उसी की दुनिया को अपना बना लेती है,  
 उसके घर को भी अपने सपनों से सजा लेती है,  
 भूल जाती है तू अपने सारे सपने,  
 जब तू उससे अपना रिश्ता बना लेती है।

ये साहस भी तो, तू ही कर सकती है,  
 अपना दे लिए पूरी दुनिया से लड़ सकती है,  
 थकान से कम एक माँ ही तो है दुनियाँ में जो  
 भगवान के बाद उसकी जगह ले सकती है।



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