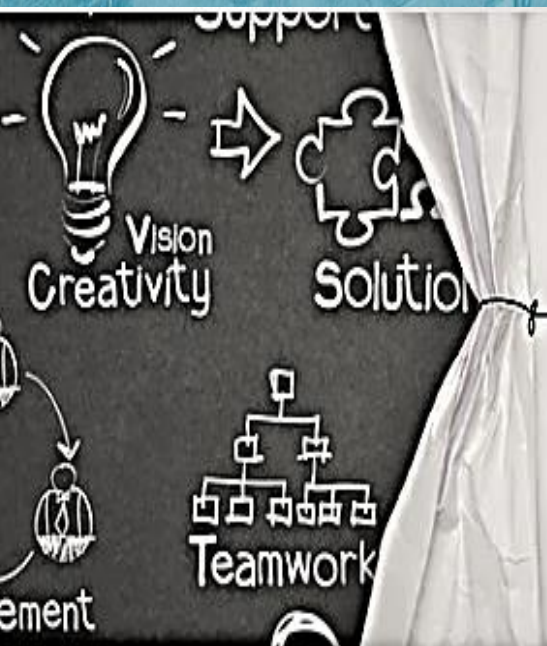
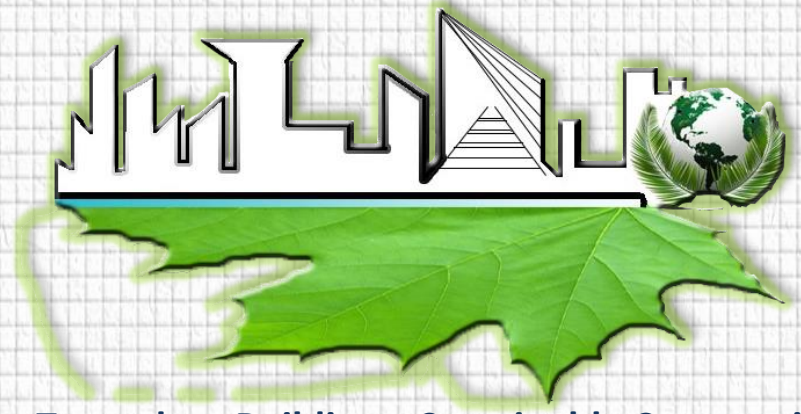




# E- Magazine

Issue 17, March-Dec., 2020





Towards ...Building a Sustainable Community

# MARATHWADA INSTITUTE OF TECHNOLOGY, AURANGABAD

*Publishing*

**MIT  
E-MAGAZINE  
MARCH-DECEMBER  
2020**



# Campus Chronicle.....



**INNOVATION**

**CREATION**

**TECHNOLOGY**

**MIT**

**SUCCESS**

**LEARNING**

**ACHIEVERS**

**DESIGNERS**

## Department of Architecture

### **“Urban design Proposals and execution - A case of Aurangabad”**

To mark the occasion of International women’s day, Department of Architecture, MIT, Aurangabad, organized a guest lecture on 9<sup>th</sup> March 2020 (Monday) at 10.30am. The intention of the lecture was to increase the knowledge of the students about urban design aspects for Aurangabad city.



The session started with the felicitation of the guest Ar. Maya Vaidya ,a leading lady architect of Aurangabad by Ar. Kuldeep Kaur Bhatia- HOD. After the brief discussion on Planning and Design the speaker, Ar. Maya Vaidya started with the presentation.

During her presentation, she gave a detailed overview of her design approach, concept, design inspiration etc. She is started with a brief talk on basics of urban design, explaining elements and principles UD. She also explained her project “Monumental Flag of Aurangabad”. In her presentation she gave an overview on the problems faced during the execution of the projects like site acquisition , funding for the project, social issue etc. It also gave them the knowledge of designing of spaces with different materials, artefacts, colours, textures, etc.



## Department of Architecture

### Continued....

The lecture helped the students to understand the basics of design, utilization of spaces, reconstruction of spaces, importance of public spaces, preserving historically significant structures and implementation of design in architecture. It was informative and provided the students an insight of challenges which are faced in such projects.

The lecture was concluded with vote of thanks to the guest. It was attended by the students, HOD and faculty members of department of Architecture MIT. The expert lecture was coordinated by Prof. Pranita Pranjale and Prof. Ansari Masira.



## **Department of Electrical Engineering**

### **Vaachan Prerna Divas**

October 15, the birth anniversary of Dr APJ Abdul Kalam is celebrated as 'Vaachan Prerana Din'. The day could create "Vachan Katta" in students so that they have the quest for reading at latest one book in memory of Dr Kalam. This year the occasion was celebrated through online mode

The celebrations begin with remembering Dr. APJ Abdul Kalam. A video on his achievements and his simple life was demonstrated to students so that they can imbibe in themselves the same values which he stood for. Students were explained the benefits of reading in building and shaping up their career and honing their skills.

All faculties and students had shared their experiences on reading particular books which motivated them to continue reading various genres of books by various renowned authors like Kiran Bedi, Robin Sharma and various Marathi legendary writers who have motivated them to pursue reading habits.

Students described today's session as a reminder of how books influences minds and really helps build confidence and develop a perspective. Head of the Department Dr. S.M.Badave graced the students on this occasion and addressed the need to read books and highlighted on three important aspects as When, What and How to read books. Students were found to be motivated and interacted to express their views on this important occasion. The event ended with a pledge was taken by the students and faculty members present so as to inculcate the habit of reading in their daily lives.

Below is the link to access the video recording of the event:

[https://drive.google.com/file/d/1DjJzYjGzMuLI\\_P3TrMgOjrRP5H5B9HX-/view?usp=sharing](https://drive.google.com/file/d/1DjJzYjGzMuLI_P3TrMgOjrRP5H5B9HX-/view?usp=sharing)



## *Event.....*

***8 August 2020 : Tree plantation program On eve of Birthday celebration - Hon'ble Dr. Y. A. Kawade sir, President, G.S. mandal's***

Tree plantation program was done in MIT campus by the auspicious hands of Hon'ble Dr. Y. A. Kawade sir.

Due to COVID-19 pandemic situation, Tree plantation program was organized with safety measures like masks and sanitization under the guidance of Dr. U. B. Kalwane. Tree planation program was conducted in presence of Dr. N. G. Patil, Principal, MIT and Prof. S. G. Deshmukh, Principal, MIT Polytechnic along with NSS Program officers and few faculty members





## *Event.....*

**8 August 2020 : Tree plantation program On eve of Birthday celebration -  
Hon'ble Dr. Y. A. Kawade sir, President, G.S. Mandal's**

Due to COVID-19 pandemic situation, Tree plantation was conducted at self sweet home by the respective NSS Departmental coordinators along with NSS Volunteers and students. It was decided to plant and grow at least one tree at his/her sweet home





## Internal Complaint Committee(ICC)

The webinar titled as “**Andharapalikadacha Prakash** ” by Dr. Prakash Amte & Dr. Mandakini Amte was organized by Internal Complaint Committee(ICC) of Marathwada Institute of Technology, Aurangabad on 25<sup>th</sup> July 2020 at 11.00 a.m. The webinar was mainly arranged to know about the various social activities being carried out by Dr. Prakash Amte & Dr. Mandakini Amte at “Lok Biradari Prakaalp” at Bharagad for the tribal women and community (Madia Gond) in Gadchiroli district.

G.S.Mandal's  
Marathwada Institute of Technology, Aurangabad  
Accredited with 'Grade B+' by NAAC, Approved by AICTE, New Delhi and permanently affiliated to Dr. Babasaheb Ambedkar Technological University, Lonere.

Internal Complaints Committee (ICC) organized

# अंधारा पलिकडचा प्रकाश

Speakers: Dr. Mandakini & Dr. Prakash Amte

Date: 25<sup>th</sup> July 2020  
Time: 11:00 AM

PATRON	PATRON	CHAIR-PERSON	CONVENOR	COORDINATORS
Dr. Y.A. Kawade President G.S. Mandal	Prof. Munish Sharma Director General MIT, Aurangabad	Dr. N.G. Patil Principal MIT, Aurangabad	Ar. Pranita Pranjale ICC - Presiding Officer	Prof. Sunil Patil Prof. Shon Patil Prof. Madhuri Patil (ICC Members)



## Internal Complaint Committee(ICC)

### Continued...

The dignitaries present for the webinar were Dr. Prakash and Dr. Mandakini Amte, Dr. Y.A.Kawade, President, G.S.Mandal, Prof. Munish Sharma, Director General, MIT group of Institutions, Dr. Peshwe, Prof. VNIT College, Nagpur, Dr. C.L.Gogte, Dr. S.P. Bhosale, Principal Maharashtra Institute of Technology and Dr. N.G.Patil, Principal, Marathwada Institute of Technology, Aurangabad.

The welcome speech was given by Prof. Shon Patil, introduction of the guests was done by Prof. Madhuri Patil and the program was hosted by Prof. Pranita Pranjale (ICC presiding officer) and Sunil Patil.



"अंधारा पलिकडचा प्रकाश" Speakers: Dr. Mandakini & Dr. Prakash Amte



## 11 Novemeber 2020 : Webinar on eve of National Education Day

A webinar on 'Contribution of Bharat Ratna Maulana Abdul Kalam Azad in Indian Education' was arranged and celebrated as National Education Day . Dr. Shamsuddin Tamboli was the guest and speaker for the program.

Around 55 members including Principal Sir, Faculties and students were present for the session

This program preamble was done by Prof. R. N. Patil and vote of thanks given by Dr. Mazher Khan



The poster features the logos of G. S. Mandal's Marathwada Institute of Technology and the National Service Scheme. It includes the date (11 November 2020) and time (12:30 pm to 1:30 pm). The program title is 'Programme on National Education Day'. The text describes the birth anniversary of Maulana Abul Kalam Azad and mentions a webinar on his contribution. It features a portrait of Dr. Shamsuddin Tamboli as the guest speaker and a photograph of a man in a white kurta and cap. The poster also includes a Google Meet link and a thank you message from Dr. N. G. Patil.

**G. S. Mandal's**  
**Marathwada Institute of Technology,**  
**Aurangabad**

**Date: 11 November 2020** **Time: 12:30 pm to 1:30 pm**

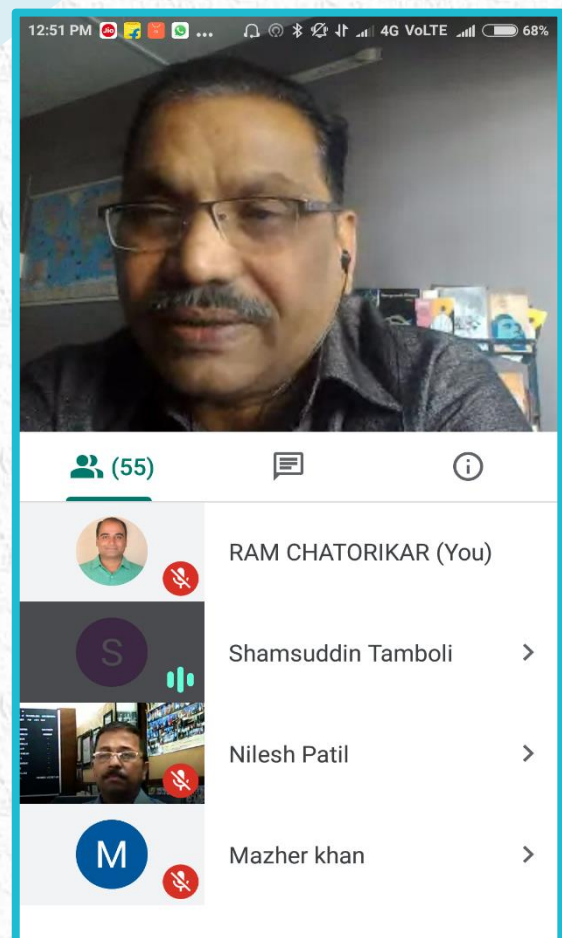
**Programme on National Education Day**

The birth anniversary of Great Freedom Fighter and the First Education Minister of Independent India, "**Bharat Ratna**" **Maulanna Abul Kalam Azad, 11 November** is celebrated as **National Education Day**. On this occasion a webinar on "Contribution of Bharat Ratna Maulanna Abul Kalam Azad in Indian Education."

**Guest & Speaker**  
**Dr. Shamsuddin Tamboli,**  
President, Muslim Satyashodhak Mandal

All are invited for this webinar.  
**Google meet link:**  
<https://meet.google.com/xfm-epjr-ejy>

Thanks and Regards,  
**Dr. N. G. Patil** (Principal, MIT Aurangabad)



The screenshot shows a Google Meet interface with a video feed of a man with glasses and a mustache. The interface includes a header with the time (12:51 PM) and battery status (68%). Below the video feed, there is a list of participants: RAM CHATORIKAR (You), Shamsuddin Tamboli, Nilesh Patil, and Mazher Khan. The interface also shows a search icon and a list of participants with their names and profile pictures.

12:51 PM 68%

(55)

RAM CHATORIKAR (You)

Shamsuddin Tamboli

Nilesh Patil

Mazher Khan

## **Department of Architecture**

### **“Thinking Portfolio Design”**

The Department of Architecture, MIT, Aurangabad, organized a guest lecture on 4<sup>th</sup> March 2020 (Saturday) at 10.30 am . The intention of the lecture was to increase the knowledge of the students about designing of portfolios for interviews. The session started with the introduction of the guests and felicitation of guest, Ar. Sanjay Tasgaonkar, Professor at Ayojan college , Pune and Ar. Ninad katdare , Ayojan college , Pune. The lecture was specially designed for Third and Fifth year Architecture students to get exposure for digital presentation of their work. The purpose of the lecture was to make the students understand the design aspects and particulars about C.V, folio and its application procedure.

During the presentation, Prof. Sanjay gave a detailed overview of how to approach for designing of portfolio, difference between resume and curriculum vitae. He also explained different softwares used , presentations techniques and the problems faced during the interviews of the students and the solutions for the same.

The lecture helped the students who are willing to work or study after their bachelors. The lecture was concluded with vote of thanks to the guest. It was attended by the students , HOD and faculty members of department of Architecture MIT, Aurangabad. The expert lecture was coordinated by Prof. Pranita Pranjale and Prof. Ansari Masira.





## Department of Electronics and Telecommunication Engineering

### "Expert lectures" Series

Online Expert Lecture series was conducted by department from 9<sup>th</sup> sept. 2020 to 12<sup>th</sup> Sept.2020. Coordinators for the event were :

- 1.Prof. R. N. Patil
- 2.Dr. M. S. Khan
- 3.Mr. T. D. Shep

Sr.No	Workshop/Course Name	Resource person	From- to Date
1.	Intoduction and Hands on session on LABVIEW	(Conducted by Labview academy, PICT, Pune	9/9/2020
2.	Scope of electronics in industry	Mr.Sanjay Chaudhary (Director,Electronics study circle, Nashik)	10/9/22020
3	IOT implementation using Arduino and Raspberrypi	Mr.Sandeep Kankal	10/9/2020
4.	Carrier opportunities for electronics engineers in industries	Mr. Ranjith C. V (Electrical Architect/Product Designer at Philips,India LTD, Pune)	11/9/2020
5.	Opportunity across the globe, career guidance after engineering	Mr. Ram Thakare Patil(Operational Manager, J.B group of industries, UAE)	11/9/22020

### **Webinar on ‘Medical Image processing using Machine learning’**

As the use of Medical image processing is increasing day by day in medical field ,This webinar brings how Machine learning has a vital role in Image Analysis and Computer Vision field. The webinar covers the introduction of image segmentation, image registration and object recognition . The use of machine learning techniques to analyze information from visual data, also focused on how the medical image analysis is growing field of deep learning

Coordinator- Prof.R.N.Patil , Dr.Mazher Khan

Resource person- Dr. Nilanjan Dey

Date- 30/5/2020



## Department of Electrical Engineering

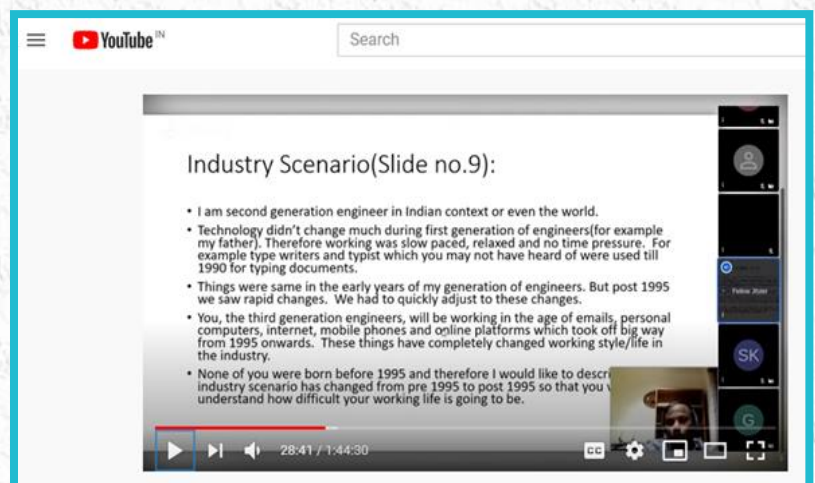
Electrical Department under the guidance of HOD, Dr. S.M.Badave had conducted an online webinar on Jitsi Platform using You tube live on Future Opportunities in Electrical Engineering on 10-08-2020. The session was conducted by Mr. Hemant Joshi, a retired consultant working for various organizations in Europe and Australia

The webinar was attended by around 800 participants who were aspiring to take electrical engineering as their first major degree. Following were the points of discussion:

- Current perspective of Electrical Engineering as core branch.
- What a students has to prepare for to take up an extensive course in Electrical Engineering.
- Opportunities for an Electrical Engineer in Public and Private Sectors.
- Influence of an Electrical Engineer and his global contribution.
- Scope after a graduate program in research as well as forming a base for post graduation.

Below is the You Tube Link to access the Webinar:

<https://www.youtube.com/watch?v=5SxhKPQNOyY>



**Department of Electrical Engineering**

**E-tour of Solar Power Plant on MIT PG Building (150 KW)**

This E Tour was conducted Solar Power Plant on MIT PG Building (150 KW) virtually through Gotomeeting App. In the first half Dr.Mrs. S.M Badave, Head of Electrical Engineering Department started her session with Introduction and importance of Solar System and explore the Technical and Financial aspects involved in Solar PV Installation. She explained the updated Current available technology in Solar System Installation. She also described in detail about the Overview of PV system and components and Solar Policies and tendering.

In the second session Mrs.Rucha Joshi (Director, Ruby Solar World) shared her experience of solar PV installation and detailed about the difficulties faced during PV Solar system Installation. She explained the Installation Procedure with the help of Photograph for better understanding of students. She also detailed on how to tackle the difficulties occurring at the time of Installation and maintenance.

Students had gained immense knowledge with the help of this session and a new experience of virtual tour was also introduced.



## Department of Electrical Engineering

### Solar Plant Design By “Google SketchUp” Software

The third E learning tour was on **Solar Plant Design By “Google SketchUp” Software** and was conducted on 26-08-2020. Hyderabad Institute of Electrical Engineers faculty Ms. Bhavya chollety started the session with introduction and importance of solar PV plant design and google SketchUp software. Solar applications were also explained in details. Installation and Downloading of this software was elaborated. The necessity of skelion plugin in google SketchUp software was made to understand.

Demonstration on what the basic tools and equipment's are required in SketchUp software like file, edit, camera, draw, tool etc. was provided. Real life experience about tools were also shared in this virtual session. Various modeling tool sets were also detailed. After that tools in SketchUp software were alsod emonstrated.. Examples of how we design the solar plant in building construction. With the help of geo location tool ere also explained in the software properly. Performing shadow analysis was explained with sunny area concept with the help of skelion software .

Students from SY , TY and Btech Class of EE Department participated in huge numbers to gain knowledge. Students practical queries were resolved in this virtual mode.

# Workshop.....

## Department of Architecture

### Model Making Workshop

Prof. Pranita Pranjale, Faculty Department of Architecture conducted one day workshop on “Model Making” in Civil department Polytechnic, MIT on 14<sup>th</sup> Sept 2019.

Objective of workshop is to introduce with various material and techniques of model making. Outcome of this workshop was in the form of residential models, which students worked in groups, with detailed understanding of scale and proportions of all building components.





# Alumni Interaction.....

## Department of Architecture

### Alumni-institute Interaction Webinar Series Mozaic 2020

The Alumni are the prized possession and valued ambassador of the Institute. The institute is glad to have a rich faction of Alumni, flying high in their career accomplishing great heights of success. The institute expects their contribution in enhancing the academics of the parent institute.

On the foundation of series expert talk and workshops in Academic Year 2018-19, online webinar series was organized for Academic Yr.2019-20.

The MOZAIC 2020 Alumni Interaction series started with presentation by Ar. Shobhit Tayal a proud alumnus of MIT, Aurangabad, 1995 batch, on "Managing the Urban Planning and Urban Design Practice".

Date: 27th June 2020

Total registrations:  
100

Online Attendees:  
more than 230

Staff Co-ordinator:  
Prof. Vinaya Vaidya

Webinar Moderators:  
Prof. Swapna Dhavale

Technical assistance:  
Prof. Ankita Agrawal



The poster for the webinar series features a green and white color scheme. On the left, the MIT logo is displayed with the text "MIT Quest for Excellence". Below the logo is a portrait of Ar. Shobhit Tayal. To the right of the portrait, the event title "MANAGING THE URBAN PLANNING AND URBAN DESIGN PRACTICE" is written in large, bold, black letters. Below the title, it says "Alumni Interaction Session 1" and "Ar. Shobhit Tayal Co founder Design and Planning Counsel Ahmedabad". At the bottom left, the date "27<sup>th</sup> June 2020" and time "4:00 pm onwards" are listed. At the bottom right, the registration link "https://forms.gle/rxeMCCMt81iex2BP7" is provided. The background of the poster includes a stylized map of a city.

G.S. Mandal's  
MIT  
Department of Architecture  
Aurangabad

**MANAGING THE URBAN PLANNING  
AND  
URBAN DESIGN PRACTICE**  
Alumni Interaction  
Session 1  
**Ar. Shobhit Tayal**  
Co founder  
Design and Planning Counsel  
Ahmedabad

27<sup>th</sup> June  
2020  
4:00 pm  
onwards

Registration Link  
<https://forms.gle/rxeMCCMt81iex2BP7>

# *Alumni Interaction.....*

## Department of Architecture

### Alumni-institute Interaction Webinar Series Mozaic 2020

The second session of MOZAIC 2020 Alumni Interaction was enlighten by Ar. Sonali Dhopte, co founder, Excelize Pvt. Ltd.,Aurangabad, a proud alumni of 1993 batch, on “Designing for Future using BIM & Technology”.

Ar. Sonali has worked with the top architectural firms in the US and India. As Technical Director at Excelize, she oversees and guides the BIM technology team and manages project deliveries as per client requirements.

Date: 4th July 2020

Total registrations:  
180

Online Attendees:  
more than 250

Staff Co-ordinator:  
Prof. Vinaya Vaidya

Webinar Moderator :  
Prof. Swapna Dhavale

Technical assistance:  
Prof. Ankita Agrawal

The poster is divided into two main color sections: a teal left side and a white right side. On the teal side, at the top, is the MIT logo with the text 'MIT Quest for Excellence'. Below it is a portrait of Ar. Sonali Dhopte. At the bottom of the teal section, the date and time are listed: '4<sup>th</sup> July 2020' and '11:00 am onwards'. On the white side, at the top right, is the text 'G.S. Mandal's MIT Department of Architecture Aurangabad'. The main title of the webinar is 'DESIGNING FOR THE FUTURE USING "BIM" & TECHNOLOGY'. Below this, it says 'Alumni Interaction Session 2' and 'Ar. Sonali Dhopte Co founder Excelize Aurangabad'. At the bottom right, there is a 'Registration Link' with the URL <https://forms.gle/piEkJA3R9Dk5WKtz7>. The background of the white section features a faint image of a modern interior with white furniture and large windows.



## Department of Architecture

### Alumni-institute Interaction Webinar Series Mozaic 2020

The Third session of MOZAIC 2020 Alumni Interaction was conducted by Mr. Anuj Darbari, Director & C.P.O. - Effectron Luminex Ltd. Delhi, alumnus of department of bachelor of computer science, MIT, Aurangabad, 1994 batch.

Having done MBA with distinction and many online courses in the field of Lighting and AV., Mr. Anuj Darbari has designed and developed the first Programmable DIGITAL DIMMING SYSTEM in the country in the year 1996 & developed the PLC based system of Cineplexes and Multiplexes. With over 25 years of experience in Auditoriums, Studios and Hotels, in Pro Lighting Interiors, Audio Video Design, Project Management, Quality & Cost control, he has successfully managed a diverse portfolio of Projects with various clients in India and Abroad.

Date: 4th July 2020; Total registrations: 50; Online Attendees: more than 100

Staff Co-ordinator:  
Prof. Vinaya Vaidya

Webinar Moderator :  
Prof. Swapna Dhavale

Technical assistance:  
Prof. Deepali K. Hejib



The poster features the MIT logo (Quest for Excellence) on the left. The main title is "EMBEDDING TECHNOLOGY IN DESIGNS AND NEW NORM REQUIREMENTS". Below this, it says "Alumni Interaction Session 3". A central image shows a man (Er. Anuj Darbari) in a suit, with a background of a modern auditorium. Text on the right identifies him as "Er. Anuj Darbari, Director & C.P.O., Effectron Luminex Ltd." and includes the registration link: <https://forms.gle/cxoYezA6qRjDStwL8>. The date and time are listed as "29th July 2020, 2:00 pm onwards".

# *Students Achievement.....*

## **Department of Computer Science and Engineering**

### **Students of MIT, Aurangabad got first position in a National Hackathon held at Pune with a cash prize of Rs. 40,000/-**

The third year students of CSE department of MIT, Aurangabad secured first position and won cash prize of Rs.40, 000/- at Eureka Hackathon 3.0, a National Level Innovation and Design contest organised at G. H. Rasoni Institute Of Technology, Pune on 14-15th February, 2020. 1200+ teams from across India participated in this contest. 450 teams were selected in the first round. Under the guidance of Dr. Arti Mohanpurkar, team leader, Harsh Pardeshi and the team members, Ankeet Vishwakarma , Vishal Sangle and Swapnil Pattekar presented the project named SMART TRAFFIC to improve the traffic management across the city. This project idea will surely contribute to the SMART CITY intent.





# *Students Achievement.....*

## **Department of Electrical Engineering**

Btech students of the department got placements in the following industries:

<b>Name of student</b>	<b>Company Name</b>	<b>Designation</b>	<b>Type</b>
<b>Komal Shere</b>	India Post Department	Branch Post Manager	Off campus
<b>Pratiksha Ajaykumar Vaikos</b>	Sterlite Technologies Aurangabad	Associate Trainee Apprentice	
<b>Priyanka Mukhopadhyay</b>	TATA Consultancy Services	Trainee Engineer	On campus
<b>Meghavati Kore</b>	Capgemini	Trainee Engineer	
<b>Pooja Pareek</b>	SANVEO Pvt. Ltd	Trainee Engineer	
<b>Shantanu rai</b>	Infosys Pvt. Ltd	Graduate Engineer Trainee	
<b>Aishwarya Thombare</b>	COSMO FILMS Pvt.Ltd.	Graduate Engineer Trainee	
<b>Akanksha Watari</b>	Dhoot Transmission Pvt Ltd.	HR	

# *Students Achievement.....*

## **Department of Mechanical Engineering**

- **Mr. Dhairyashil Deshmukh** of B. Tech. Mechanical Engineering selected as **Gymnast** to participate to 16<sup>th</sup> FIG AER Gymnastics World championship BAKU (AZE) May 14-16<sup>th</sup> 2020.
- **Btech students of the department got placements in the following industries:**

<b>Name of student</b>	<b>Company Name</b>
<b>Vishal Suradkar</b>	<b>NRB Bearing Pvt Ltd Aurangabad</b>
<b>Yogesh Chambare</b>	
<b>Akash Shrivastav</b>	
<b>Mayur Bahalaskar</b>	



# *Department Achievements.....*

## **Department of Mechanical Engineering**

### **Research and Innovation**

Along with regular teaching, Institute encourages research in academic and research project. MIT believes that research is not only an important but also an essential component of under-graduate and post-graduate programs. Moreover, the focus of research and innovation is to undertake industry relevant research. MIT encourages faculty and students to innovate through quality research in emerging areas.

One new research projects is in operation at MIT, sponsored by funding agency. Several faculty members of MIT are recognized as guides for PhD in their respective subjects by university. Students are working under their supervision.

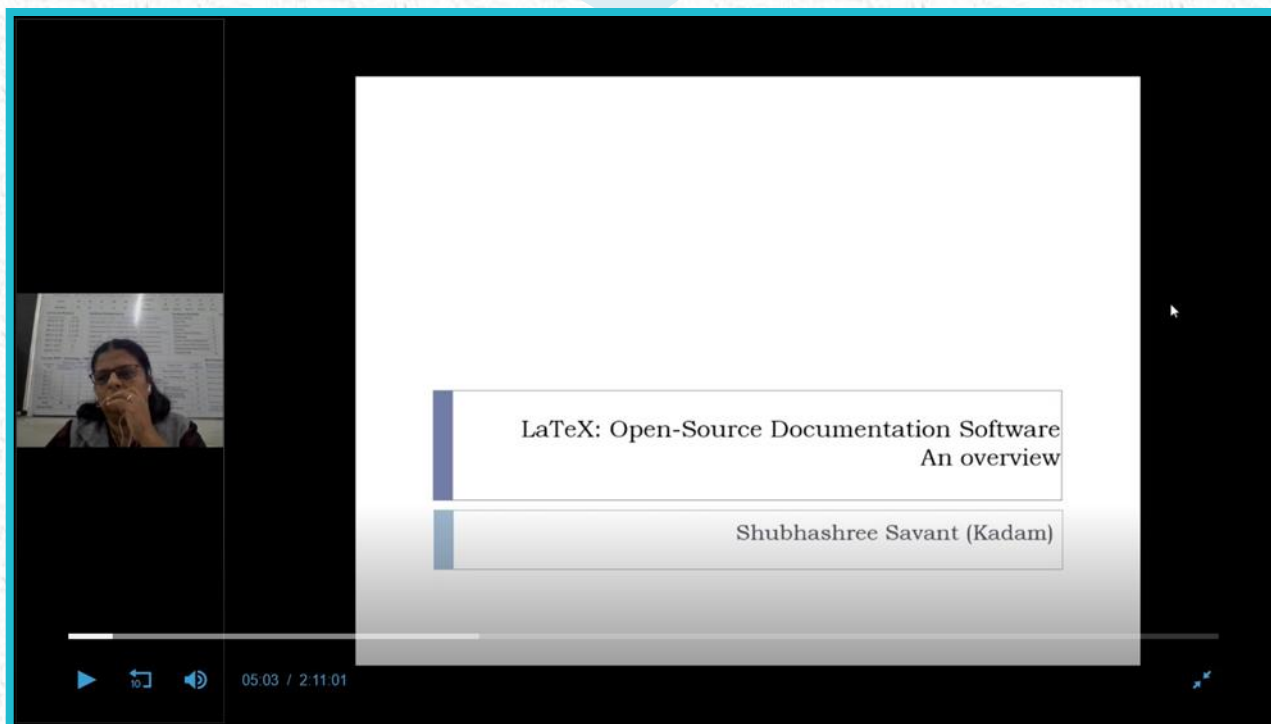
<b>Title of Project</b>	<b>Principal Investigator</b>	<b>Co-PI</b>	<b>Collaboration, if any</b>	<b>Total funding</b>	<b>Funding Agency</b>	<b>Duration of project</b>
Development of Microreactor System for processing of the sugarcane juice	Dr Atul R Saraf, MED	Dr N G Patil & Dr Manish Yadav, ICT Mumbai	---	62,94,681 INR	RGSTC	02-09-2020 to 01-09-2022

# *Faculty Achievements.....*

## Department of Computer Applications

### Resource Person: Two Days Workshop on “LaTeX”

Shubhashree Savant (Head, CA Dept) served as a resource person for two days workshop on “LaTeX” conducted on 23<sup>rd</sup> and 24<sup>th</sup> Nov. 2020. Total number of participants were 85. The workshop was organised by Department of MCA, K. K. Wagh Institute of Engineering Education & Research, Nashik. The topics covered with online demonstration: LaTeX Introduction, Installation, Sections and Subsections, Formatting styles, List, Mathematics, Tables and Figures, Reports, Presentation (Beamer), Research Paper.





# *Faculty Achievements.....*

## Department of Architecture

### Speaker : International Women's Day

Ar. Pranita Pranjale, Department of Architecture, MIT(E) was invited as a speaker to mark 'International Women's Day' celebrated on 06th March 2020 by Internal Complaints Committee of Marathwada Institute of Technology , CIDCO, Aurangabad . She talked on topic 'Women Empowerment and Moral Ethics'. This session was organized for all faculty members and girl students of B.Sc and M.Sc. courses.



# *Faculty Achievements.....*

## **Department of Mechanical Engineering**

### **Faculty Awards**

Award: Excellence in Engineering Teaching Award

Awarded by: Lions club Chikalthana Aurangabad and Indian medical Association

Date: 5<sup>th</sup> September 2020

Dr. S.S Joshi received 'Excellence in Engineering Teaching' award, jointly awarded by Lions Club Chikalthana Aurangabad and Indian medical Association on 5<sup>th</sup> September 2020.





# *Industrial Visits .....*

## **Department of Electronics and Telecommunication Engineering**

### **Organized Industrial Visit to Bangalore.**

Industry Visited :Electronic City, SERC Lab (Super computer) and CENSE Lab (Nanotechnology),IISc campus Bangalore. Visvesvaraya Industrial and Technology Museum and ACE Components, Mysore..

Date-28/2/2020 to 2/3/2020

**No. of Candidates** : 35 Students and 3 Faculties

**Objective:** knowledge of latest most demanding electronics technologies and also understood manufacturing processes of various electronics components. Also helped to know Electronics Industry working Environment.

**Key points about visit:** On 29th Feb students visited IISc, Bangalore which is celebrated as "OPEN DAY" event to show-case its activities to the student community and extend opportunity to explore the exciting science and technology initiatives and activities of the IISc. also visited electronic city to get knowledge of latest most demanding electronics technologies .



## Department of Architecture

### Site Visit At Operation Theatre Complex, MIT Hospital, Aurangabad

Purpose of this site visit was to study the interior design aspects of 'Operation Theatre complex' design for subject Interior Design( Elective) of Fifth year Arch. The visit was conducted on 7<sup>th</sup> March 2020. The visit was intended to study the various building services included in the design of the OT complex. The services include Air-conditioning, fire-fighting and electrical. Other services included provision of medical gases, bio-medical waste disposal, communications etc . Study of patient movement patterns and segregation of various activities was also a key feature.

The visit was informative and provided the students an insight of challenges which are faced in such projects. Faculty member Ar. Pranita Pranjale and 13 students of Fifth year Arch had visited the site. With the co-operation of the hospital staff the site visit was successful.





**Department of Electrical Engineering**

**Virtual Industry Visit- Switch gear Panel Manufacturing Unit**

Under the Hyderabad Institute of Electrical Engineers three virtual tours were conducted. The first tour was on **Switch gear panel manufacturing Unit** and was conducted on 22-07-2020 Mr. Madan Mohan (Faculty of HIEE) & team started the session with Introduction and importance of Switch gear and protection. He explained what is switchgear, why switchgear is most essential in industries. He demonstrates the control devices, metering devices, switching and interrupting devices.

The function of Control devices like to check and regulate the flow of power, and metering devices are used to measure the flow of electric power were explored. The practical demonstration of equipment coming under control devices, metering devices, switching, and interrupting devices like MCB, MCCB, and ACB and shown its practical function with specifications with 2 pole and 4 pole MCB. Current transformer, contactors were also explained. The Metering unit like energy meter, KWhr meter, and its connections diagram were also detailed. Students from SY , TY and Btech Class of EE Department participated in huge numbers to gain knowledge.

### Department of Electrical Engineering

#### **Virtual Industry Visit- 33/11 KV Substation**

The second tour was on visiting **33/11 KV Substation** and was and was conducted on 02-08-2020. Hyderabad Institute of Electrical Engineers faculty started the session with Introduction and importance of Equipment in the substation and its location. With the help of presentation Lightning arrester and isolator, transformer, Horn gap fuse, Circuit breaker and other equipment of substation were explained. The necessity of substation design with protection and then the components of substation were detailed. Important equipment's like transformer, Circuit breaker, Current transformer, potential transformer, Isolator and other equipment's were elaborated. Different types of isolator and circuit breaker and its purpose and difference between circuit breaker and isolator was explained.

Live Demonstration session on Transformer, Circuit breaker, Relaying panel, and other equipment with its specification, operation and its function was provided to students.

Students from SY , TY and Btech Class of EE Department participated in huge numbers to gain knowledge. Students practical queries were resolved in this virtual mode.



## *Quiz .....*

- **E-quiz on "Principles of Electronics Engineering"** The Quiz on "Principles of Electronics Engineering" was conducted on Google platform for all classes of **Electronics and Telecommunication Engineering** students of Maharashtra state from Date-23 May 2020 to 27 May 2020. Event was coordinated by Prof. P.P.Nalgirkar. Total 394 students from different regions of Maharashtra, e.g. Nashik, Satara, Pune, Sangli, Ratnagiri, Aurangabad , attended the quiz.
- In Jun 2020 Online Quiz on Computer Awareness conducted by Department of Computer applications, Coordinated by ,Dr. Madhuri Joshi, Dr. Prashant Chintal. Quiz was formulated to develop the awareness in Computer Applications

## Department of Mechanical Engineering

Students and faculties of Mechanical department actively participated in online QUIZ during June -2020 to Sep-2020 following are the brief details of activities:

- **National level online Quiz on Mechanics of Deformable bodies**  
Organised by: Department of Mechanical Engg, MIT Aurangabad  
Duration: 20 -26<sup>th</sup> May 2020, Attended by: Dr. V. B Pansare, Prof. P.D Bhatkar
- **The online Quiz on Theory of machines**  
Organised by: Department of Mechanical Engg & ISTE Student Local Chapter Guru Gobind Singh College of Engg. Nashik. Attended by: Prof. P.D Bhatkar
- **National level online Quiz on Non-traditional Machining Processes**  
Organised by: Department of Mechanical Engg, MITE Aurangabad  
Attended by: Dr.S.V. Lahane
- **National level online Quiz on Refrigeration and Air conditioning**  
Organised by: Department of Mechanical Engg, AISSMS College of Engg. Pune. Attended by: Dr.S.V. Lahane
- **The online Quiz on General Physics**  
Organised by: Department of Basic Sciences & Humanities, MITE Aurangabad . Attended by: Prof. P.D Bhatkar.

## **Department of Mechanical Engineering**

**Mechanical department organized online QUIZ during June - 2020 to Sep-2020 following are the brief details of activities:**

- National level online Quiz on Mechanics of Deformable bodies organised by Prof. N. R. Chavda from 20 -26 May 2020 participated by 385 participants.
- National level online Quiz on Non-traditional machining processes organised by Prof. S.B. Pankade from 1 -20 July 2020 participated by 539 participants.



## Department of Civil Engineering

The Civil Engineering Department, Marathwada Institute of Technology, Aurangabad and Indian Geotechnical Society, Aurangabad Chapter jointly organised an e-Technical Paper Presentation Competition from 23/04/2020 to 03/05/2020.

A total of 32 Groups from different colleges of Maharashtra took part in the competition. After the evaluation, results were declared and the certificates of winners were sent via e-mails. Prize distribution was done Prizes in the form of books, worth Rs. 2500 to the 1st winner, Rs. 1500 worth books to the 2nd winner and Rs. 1000 worth books to the 3rd winner, were given. Prof. S. T. Patil and Prof. V. R. Upadhye, Civil Engineering Department, MIT, Aurangabad made sincere efforts in organizing the e-competition and made it successful. The prize distribution took place on 12 Sept.2020.

The event was successful due to the valuable & precious guidance of Prof. Munish Sharma, DG, MIT, Dr. N. G. Patil, Principal, MIT and Dr. M. S. Dixit, Head, Civil Engineering Department, MIT, Aurangabad.



**e-Technical Paper Presentation 2020**

## Department of Civil Engineering

### Structural Audit

The Structural Audit of **Saraswati Bhuvan School (Boy's School) Building of Shri. Saraswati Bhuvan Education Society, Saraswatinagar, Aurangabad** was conducted on 20/08/2020 and 25/08/2020 with general structural survey as well as non-destructive testing using ;

1. Rebound Hammer (for compressive strength of beam/column/slab)
2. Ultrasonic Pulse Velocity Test (for UPV & Compressive strength of beam/column/slab)
3. Rebar Locator (for finding the position and diameter of the reinforcement in the concrete)
4. Corrosion meter (for finding the existing level of corrosion taken place in the existing reinforcement).



Rebound Hammer Test on Column



Corrosion meter Test on Slab



## Department of Civil Engineering



1. Ultrasonic Pulse Velocity Test on Slab
2. Ultrasonic Pulse Velocity Test on Beam
3. Corrosion meter Test on Slab



## **Department of Computer Science and Engineering**

**Following activities were conducted by students and faculties of department during June -2020 to Sep-2020:**

- COVID 19 Survey: Ms. Seema Kute was actively involved in the survey of Covid 19 Pandemic.
- Arihant Sarode from SyBvoc has worked for social cause by distributing food packets for needy people
- Dr. Madhuri Joshi Has Completed Matlab Certification .
- Following students have completed their certification course in Matlab
  - Yashwant Patil , Mayur Pawade, Niranjana Bhalerao, Kalyani Patil
  - Yashwant Patil has Successfully completed RHCA certificate.

## Department of Mechanical Engineering

**Students and faculties of Mechanical department actively participated in online STTP - FDP during June -2020 to Sep-2020 following are the brief details of activities:**

- **One week FDP on Incorporating Universal Human Values in Education**  
Organizer: AICTE New Delhi  
Duration: 12 -16<sup>th</sup> Oct. 2020  
Attended by: 25 faculty members
- **Five Day FDP on Industrial IOTs, Industry 4.0 & Disruptive Technologies Education** Organizer: Dr. Babasaheb Ambedkar Technological University, Lonere Under TEQIP  
Duration: 05-10<sup>th</sup> May 2020  
Attended by: Dr. V. B Pansare, Prof. M. V Kulkarni, Prof. P.D Bhatkar, Prof. N.V. Kalyankar, Prof. S.S Waghmare.
- **One week Pedagogical Training for teachers for online teaching learning and evaluation**  
Organised by: Swami Ramanand Teerth Marathwada University Nanded  
Duration: 1-6<sup>th</sup> July 2020  
Attended by: Prof. M. V Kulkarni.
- **Two Week STTP on Green Energy Technologies and Sustainable Development**  
Organised by: Government Engineering College, Bikaner Under TEQIP – 3  
Duration: 11-20<sup>th</sup> June 2020 , Attended by: Dr. S.V. Lahane

## Department of Mechanical Engineering

### Continue....

- **Five Day Online FDP on Nearly Zero Energy Building**  
Organised by: Dr. Babasaheb Ambedkar Technological University, Lonere and Sharad institute of Technology College of engineering  
Duration: 10-14<sup>th</sup> Aug. 2020  
Attended by: Dr. S. V. Lahane , Prof. N.V. Kalyankar, Prof. S.S Waghmare.
- **STTP on Renewable energy and Utilization**  
Organised by: Sandip Institute of Engineering and Management Nasik  
Duration: 26-30<sup>th</sup> May 2020 , Attended by: Dr.S.V.Lahane
- **Five Day Online Workshop on Future trend in green Technology**  
Organised by: Energy Centre, Maulana Azad National Institute of Technology, Bopal  
Duration: 22-26<sup>th</sup> June 2020 , Attended by: Dr.S.V.Lahane
- **One week FDP on Hybrid manufacturing processes : Opportunities and challenges**  
Organised by Dr.B.R.Ambedkar National Institute of Technology, Jalander  
Duration: 06-10<sup>th</sup> July 2020 , Attended by: Prof. S.B.Pankade
- **Five Day FDP on Recent Advances in Modeling and optimization Techniques**  
Organised by: Sharad institute of Technology College of engineering Yadrav-Ichalkaraji  
Duration: 01-05<sup>th</sup> June 2020, Attended by Prof. S.B.Pankade



## Department of Mechanical Engineering

### Continue....

- **One week FDP on Application of finite element Analysis and computational dynamics using ANSYS**  
Organised by: Government College of Engineering, Karad Maharashtra and Rajikiya Engineering College Azamagarh, Uttarpradesh, India  
Duration: 13-17<sup>th</sup> June 2017 , Attended by: Prof. N.V. Kalyankar
  
- **Five Day FDP on Futuristic Technologies in Mechanical Industries**  
Organised by: Dr.D.Y. Patil Institute of Management, Akarudi, Pune  
Duration: 05-09<sup>th</sup> June 2020 , Attended by: Prof. S.B.Pankade
  
- **One week FDP on Advance Materials and Manufacturing**  
Organised by: Nalla Malla Reddy Engineering College Narapally, Hyderabad  
Duration: 12-16<sup>th</sup> June 2020 , Attended by: Prof. S.B.Pankade

## **Department of Mechanical Engineering**

### **Participation in International Events**

Event: Shanghai Co-operation Organisation 1<sup>st</sup> Young Scientist Conclave

Organised by: Department of Science & Technology, Delhi GOI and CSIR- IICT Hyderabad

Date: 24- 28<sup>th</sup> November 2020

Participating Countries: Russia, India, China, Pakistan, Kazakhstan, Kyrgystan, Tajikistan, Uzbekistan.

Subject of talk: Perovskite based solar Ink. Faculty: Dr. S.S Joshi

### **Invited talks**

Event: 35<sup>th</sup> Indian Engineering Congress

Organised by: Institute of Engineers India (IEI), Kolkata

Date: 18-20<sup>th</sup> December, 2020

Subject of talk: Ag and CuO Decorated Tailored Nanostructures based CO<sub>2</sub> Sensors

Faculty: Dr. S.S Joshi

## Department of Electrical Engineering

### Energy Literacy Drive

A webinar series by Swaraj foundation focusing on an unprecedented crisis in terms of climate change was elaborated over a period from March to December 2020. This series Under the aegis of Energy Swaraj Foundation was to promote a program “**Design a Solar System for Homes**”. Following were points of discussion during this series:

- Energy is a major driver of our social and economic growth and has become an essential part of our daily survival. But the use of fossil fuel-based energy, which constitutes nearly 80% of our energy basket, is also a major culprit of climate change.
- Climate change is real. It is becoming severe and catastrophic every day passing. There is a need for immediate and urgent action to tackle this climate emergency.
- The people are living in a distributed manner, the renewable energy sources are available in a distributed manner and therefore the generation and consumption of energy should be and can be achieved in a distributed manner.
- Following the Gandhian model of Gram Swaraj, the idea of Energy Swaraj is to involve local communities to generate and fulfill their local energy needs through localized activities of production (as much as feasible), assembly, installation and maintenance of renewable energy solutions.

Students were motivated and enthusiastic to have learnt a lot and around 98 students were certified by participating in this series.



## **Department of Electrical Engineering**

### **Student Solar Ambassador 2020**

Energy is the driver of our social and economic life, but it is also driving climate change. Unprecedented forest fires, glacier melting, intense heat waves, and change in weather patterns are worrisome trends.

Energy is the driver of our social and economic life, but it is also driving climate change. Unprecedented forest fires, glacier melting, intense heat waves, and change in weather patterns are worrisome trends. To spread more light on this pressing issue a webinar was conducted on 2nd October 2020 in which many around 65 students of Electrical Engineering participated.

Through this webinar prominent personalities like Dr. Anil Kakodkar, Padma Vibhushan awardee, who has been a supporter of the Energy Swaraj Foundation, Mrs. Ela Gandhi, a Padma Bhushan awardee, is the granddaughter of Mahatma Gandhi and Diana Ürge-Vorsatz serving as Vice Chair of Working Group III of the Intergovernmental Panel on Climate Change (IPCC) and having in-depth knowledge and experience on energy, environment, and sustainability addressed the webinar to show directions in which the world should move to overcome this crisis.

*Creative Buzz.....*



## नाती

किती गोड शब्द आहे  
नाती।  
लोकांना जवळ आणतात  
त्या नाती,  
लोकांना लांब न्हेणार्या  
सुद्धा नातीच।

लोकां मध्ये आग  
लावणाऱ्या सुद्धा नातीच,  
लोकांच जमवून देणार्या  
सुद्धा नातीच।

लोकांना त्रास देणाऱ्या  
पण नातीच,  
लोकांची काळजी  
घेणाऱ्या पण नातीच।

लोकांना न जपता  
येणाऱ्या पण नाती,  
आणि लोकांना मरे पर्यंत  
साथ देणाऱ्या पण  
नातीच।

लोकांना रडावनाऱ्या पण  
नाती,  
लोकांना हसवनाऱ्या पण  
नाती।

नाती सांभाळणं शिका,  
नाती तुम्हाला  
सांभाळतील।  
नाती हृदया जवळ ठेवा,  
नाती जग जिंकून देतील।

-Aadesh Anjali Sandip Borase



खरी 'मैत्री'

खरी 'मैत्री' कशी असावी तर...  
दुखा:त सोबतीला नेहमी राहणारी...  
चुकल्यास समजूत काढणारी...  
तर आठवणीने मन व्याकुळ होणारी..  
खरी 'मैत्री' कशी असावी तर....  
मनात कुठलीही शंका न ठेवणारी..  
फक्त सुखा:तच नव्हे तर....  
दुखा:त ही पाठीशी उभी राहणारी...  
खरी 'मैत्री' कशी असावी तर...  
आयुष्याच्या कोणत्याही पैलूंवर साथ देणारी...  
यशाच्या शिखरावर एकमेकांची पाठ थोपटणारी...  
खरचं! खरी 'मैत्री' अशी असावी...  
जी आयुष्यभर सोबतीला असावी...

.....श्वेता पवार (TY E&TC)



## विज्ञानाच्या जगात हरवलेला माणूस

Outdated झालंय आयुष्य  
स्वप्न ही download होत नाही,  
संवेदनांना virus लागलाय  
दुःख send करता येत नाही.

जूने पावसाळे उडून गेलेत  
Delete झालेल्या file सारखे,  
आणि घर आता शांत असते  
Range नसलेल्या mobile सारखे.

Hang झालेल्या computer सारखी  
मातीची नातीही झाली वाईट,  
आणि तुटली मने जाणणारी  
कुठेच नाही website.

21 व्या शतकातील पिढी भलतीच cute  
Contact list वाढत गेली संवाद झाले mute,  
Computer च्या chip सारखा माणूस मनाने खुज्जा झालाय  
आणि mother नावाचा board त्याच्या आयुष्यातून वजा झालाय.

Floppy disk drive मध्ये संस्कारांना आता जागा नाही  
आणि तुटकी मन जोडणारा internet वर धागाच नाही,  
विज्ञानाच्या गुलामगिरीत केवढी मोठी चूक  
रक्ताच्या नात्यांनाही लागते whatsapp आणि facebook.



# Through the Lens.....





# Through the lens.....



Piyush Nikam , TY , EE



Madhav Anantawad , TY , EE

E  
L  
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R  
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A  
L



Sanskruiti Wagh, TY, EE





From notebook to Canvas.....



# Art Works.....



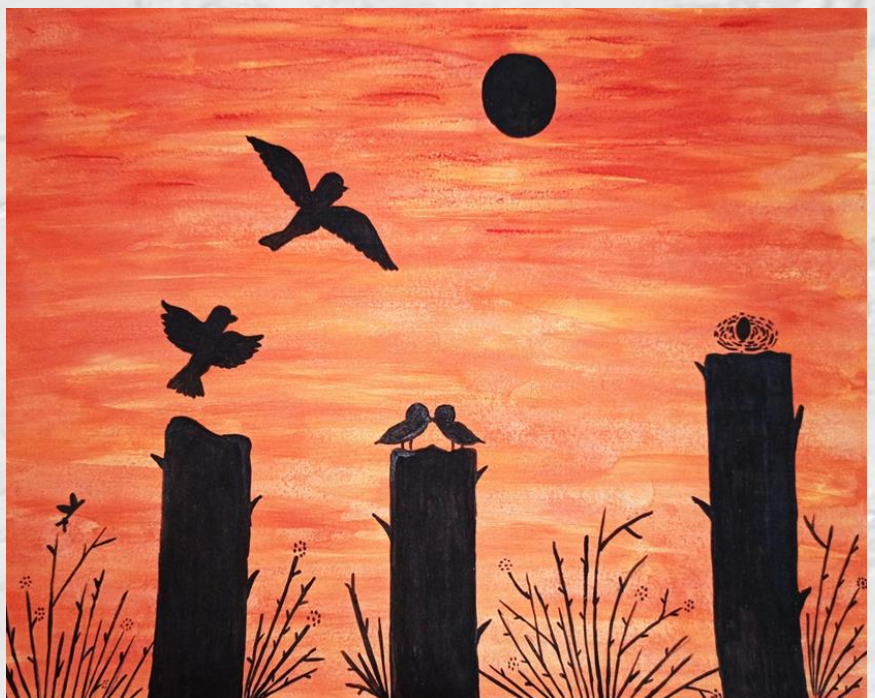
Tanvi Naladkar  
TY (ETC)



# Art Works.....



**Tanvi Naladkar  
TY (ETC)**



**Gauri Bugdani  
TY(ETC)**

# Art Works.....



**Ankita Jaiswal**  
**TY (ETC)**



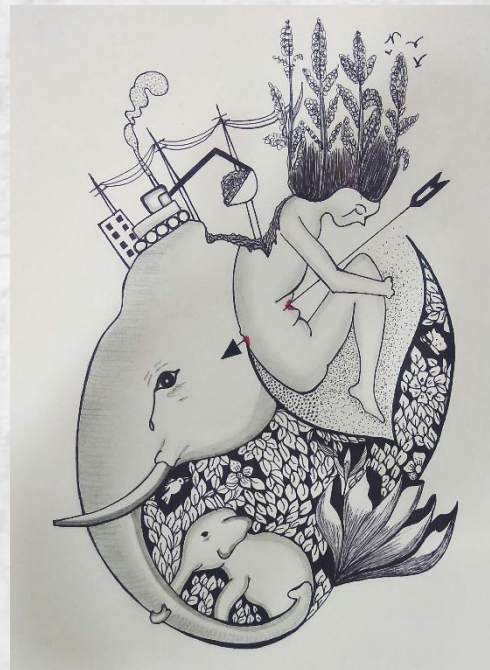
# Art Works.....



Prabhjyot Kaur, TY;EE



Aishwarya Sonawane, BTech;EE



Shivani Chinchole, BTech;EE

# Life @ MIT.....the candid moments





# Life @ MIT.....the candid moments







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