



Issue 02, September 2018



Towards ...Building a Sustainable Community

MARATHWADA INSTITUTE OF TECHNOLOGY, AURANGABAD

Publishing

**MIT
E-MAGAZINE
SEPTEMBER -2018**

A New Step.....

We are glad to initiate the first ever online version of the creative section of the college magazine of MIT(E). This magazine is a platform to exhibit the literary skills and innovative ideas of faculty and students. We hope that the e-magazine will reach out to a larger circle of readers both within and beyond the college. The journey of the magazine has been from its concept to materialization, from the realm of imagination to its actualization in the virtual medium. This would not have been possible without the collective initiative taken by the faculty and students in terms of creativity, techno-savvy skills, and patience. We would like to thank Dr. N.G.Patil, Principal MIT (E) for believing in this creative venture and also for his support and active engagement. This magazine presents the achievements of students and contributions of teachers. We would like to express our gratitude and heartfelt thanks to all those who have contributed to make this effort a success.

Our budding talents have expressed their thoughts, ideas, and convictions in a creative way through their pen, brush, lens and words. In fact, this is the way they broaden their intellectual horizons. With the overwhelming response, we are looking forward to get more creative and literary ideas in future. As you scan through the pages, it will take you through the creative section, academic, curricular and co-curricular activities that took place throughout the month, in the college.

Last but not the least we are thankful to all for their co-operation and support and putting in their best in bringing out this issue of our college Magazine. We truly hope that the pages that follow will make an interesting read.

Happy Reading.....

Prof Deepali K. Hejib
E-Magazine Coordinator

Being Creative.....

INNOVATION

CREATION

TECHNOLOGY

MIT

SUCCESS

ACHIEVERS

LEARNING

DESIGNERS

Let's Pen Down



Engineer's Day.....

The Engineering Community across India celebrates Engineers Day, on 15th September, every year to pay tribute to greatest Indian Engineer Bharat Ratna Mokshagundam Visvesvaraya.

The day is important in its way of celebrating the role of engineers in the society. From the invention of wheel to the modern day drones, engineers have provided the vital push for the progress and development of the nation.

I feel proud to be an engineer as everything around us have been made by some of the renowned engineers of their time and era when the invention was made. It is one of the toughest job to become an engineer and serve the world. We should initiate certain activities like quizzes, model making, science projects on this day so as to promote engineers.

As an electrical engineer I feel it's a good social service to lighten the world everyday and to make people, in need, come out of darkness. Without the electrical engineers there will be complete blackouts if power supply is not being taken care of. Hence on this day I feel proud to call myself an Engineer and take a pledge henceforth to work always for the betterment of society.

Tanmayee Rane
TY- EE Department

Engineers.....

The people who combine art and science, and make various resources useful to the mankind , are engineers. The word “Engineer” is derived from a Latin root “*Ingenium*” meaning cleverness. The responsibilities of an engineer include defining problems, conducting research, analyzing data, finding solutions and making decisions.

The dynamic and fast changing world demands a more complex role for an engineer. In every field where an engineer works ,his/her contribution is notable. Without engineers the development would stop.

It seems easier to be an engineer, but in reality he has to take up many challenges. An engineer who is curious yet calm, has broad imagination and is welcoming to new technologies and good at solving problems can bring about the change in the society.

Without civil engineers we won't have safe houses to live in, without electrical engineers our life would be in dark, without mechanical engineers our cars and machines won't work and without computer and IT engineers globalization would have never taken place.

The engineers from the various fields of engineering , with their specialization ,offer ease to our living. Thus the contribution of engineers to society is invaluable.

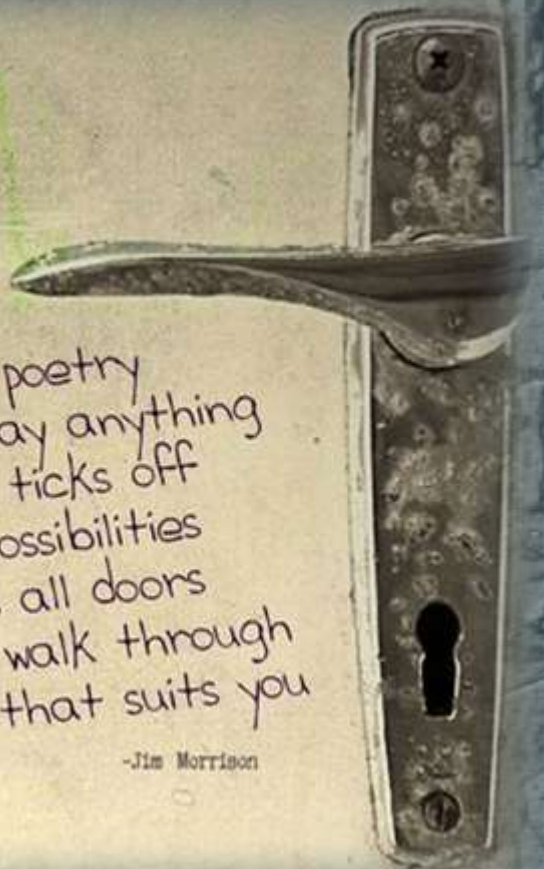
Sakshi Shirsat
TY- EE Department

Poetry

LISTEN

real poetry
doesn't say anything
it just ticks off
the possibilities
opens all doors
you can walk through
any one that suits you

-Jim Morrison



Not happy, not sad, not excited, not angry,
Not jealous, not hungry, not busy, not free,
Not in love but not single anymore,
Don't want to reply, but want to talk more.

MY CONDITION

Even, not having any tension,

Because I'm in neutral condition....

I don't know what to speak, just want to sleep,

But I'm not sleepy, but want to go deep and deep.

Not too tired still everything seems in slow motion,

Don't know what I'm saying, because I'm in neutral condition...

I don't know what will be the next line,

I'm just typing and typing what's in my mind.

Please tell me if you find the reason,

So I can understand, why I'm in neutral condition

You can say something, but how can I know,

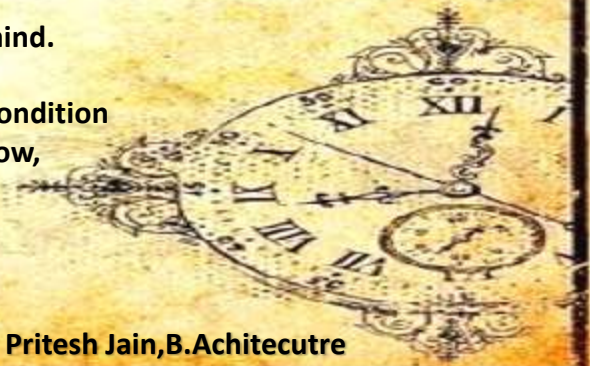
Unless and until your message will blow.

I'm not there, not here too,

Because I'm in neutral condition

you already knew....

By- Pritesh Jain, B.Architectre



साथ दिखना हमेशा....

पता नहीं कैसे ये बॉड बन गया
तेरे साथ एक रिश्ता सा जुड़ गया ,
मासूम सी नादाँ सी तू ,
बस हर वक़्त स्माइल दे जाती है तू...
तेरे साथ बिताया वो हर लम्हा,
यादों से कैद हो जाता है ,
तेरे साथ की वो लम्बी बातें ,
मन में बस जाती है ...
वो तेरा क्यूट सा रोना
हस्ते हस्ते दिलको छू जाना
क्या बताऊँ कितनी क्यूट है तू ,
पर बस थोड़ी पागल है तू ...
फ्रेंड्स से Sista का ये सफ़र याद रखना हमेशा ,
अपने साथ मुझे देखना हमेशा ,
खोना नहीं है अब ये सब ,
ज़िन्दगी भर साथ लेकर चलना है अब...



अंकिता मुंदडा, बी. आर्किटेक्चर

निराकार.....

असे वीर काही, उरी स्वप्न ज्यांचे,
आकाशाकडे वाट चालायचे
असे राष्ट्र ज्यांचे, अनंतापरी जे,
नको स्वप्न त्यांचे कदापि खुजे

नको संचितांचे, फुकाचे उसासे,
नको ते वृथा अभिमानी ठसे
नको त्या दुदुंभी नको ते नगारे,
निराकार वाहोत सारेच वारे

जिथे चेतनांचे, स्फुरती निखारे,
स्फुल्लिंग प्रपात होऊन सारे
तिथे मंद रात्री, तरी मंच साजे,
तालीम गिरवीत नियती निजे

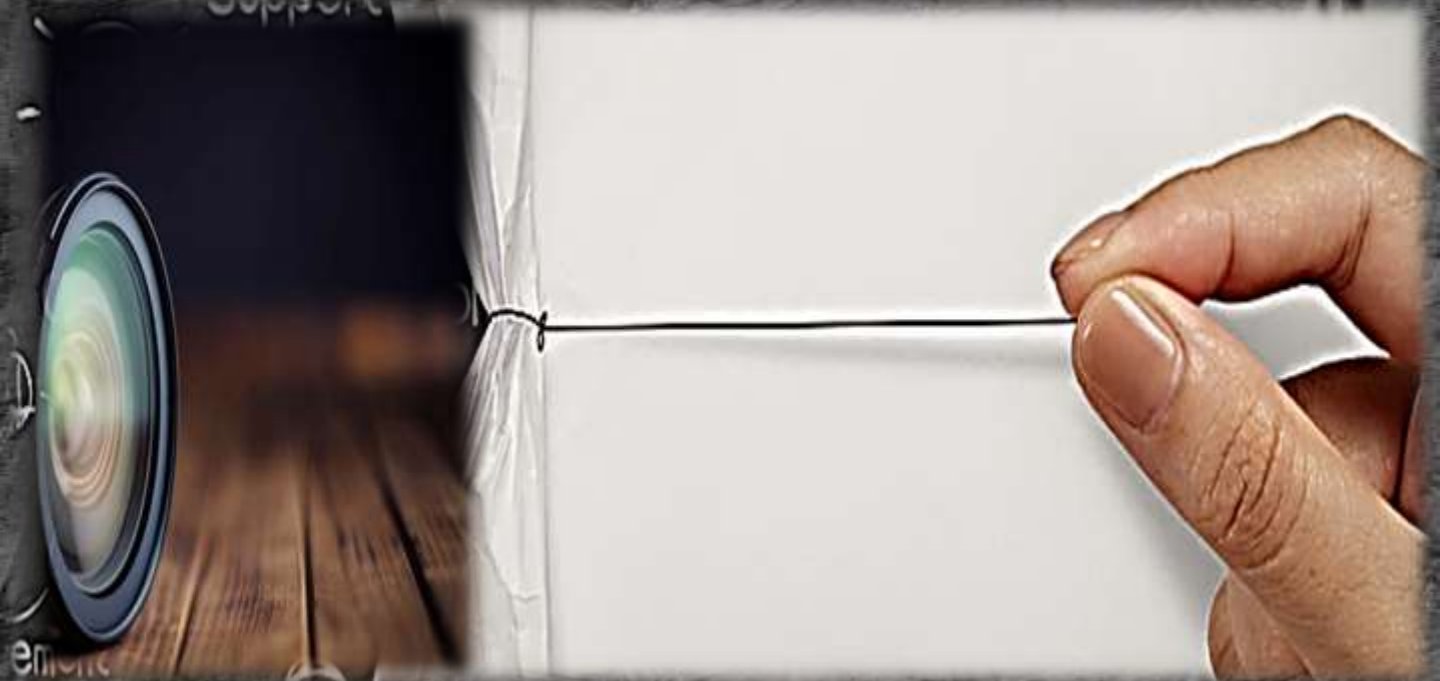
अशा हिंद-भु ची, लिहिती चरित्रे,
आकाशी, जराशी; थिजुनी गात्रे
तिथे 'मी'पणाने, गळून पडावे,
लवून करांचे नमस्कार व्हावे!



- शौनक कुलकर्णी

बी. आर्किटेक्चर
08/07/2018...

Through the Lens.....



Through the lens.....

Richa Pande



Prof. Leena Aphale

ARCHITECTURE



Neeraj Raut

Rajat Patale



Smruti Mahatole

Through the lens.....



Neeraj Raut



Swaresha Anandgaokar

ARCHITECTURE



Chinmay Pade



Smruti Mahatole



Prof. Deepali Hejib

From notebook to CANVAS.....



Art Works.....



Shaunak Vaidya
T.Y. Architecture



Aishwarya Karhade
TE-EEE



Shrawani
Motiyale
TE-EEE



Nikita Dakhole
TE-EEE

Art Works.....



Dolly Phulphagar



Rajat Patale



A
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Richa Pande

Life @ MIT.....



Life @ MIT.....



Campus Diary.....

INNOVATION

CREATION

TECHNOLOGY

MIT

SUCCESS

ACHEIVERS

LEARNING

DESIGNERS

Engineers Day Celebration.....

Department of Electrical Engineering

September 15, is celebrated as Engineer's Day as a remarkable tribute to the greatest Indian Engineer Bharat Ratna Dr. Mokshagundam Vishweshwarya. He is held in high regard as a pre-eminent engineer of India. "Digital Transformation". On this occasion students of EE Department under the leadership of Student Association members had organized the program. The program included Introductory speech by students on the relevance of Engineers day. The innovations engineers bring in day to day life. The students included Quiz based activities in basics of Electrical Engineering and were felicitated based on their performance. The faculties of the Department also motivated students to participate in various engineering based activities on the special occasion. Finally there were poems and reciting to increase enthusiasm of students.



Teacher Day Celebration

September 5, the birth anniversary of Dr. Sarvepalli Radhakrishnan is celebrated as teacher's day in order to honor teachers for their special contributions in a particular field area, or the community in general. On this occasion the students of all the Departments organized an event to celebrate and pay their respects to the teachers. Senior classes students had taken charge of junior classes for first few hours displaying their teaching skills and refreshing the atmosphere of Department. The program also included various cultural performances by students and various fun games for the faculties along with felicitation of all the faculty members.



Architecture



**Electrical
Engineering**



Students Association of First Year Engineering (SAFE)

Department of Basic Sciences and Humanities

SAFE Inaugural Function A.Y. 2018-19

FY Inauguration of SAFE (Students Association of First Year Engineering) A.Y. 2018 was organized by Basic Sciences and Humanities Dept. of MIT Engineering College on Saturday 29th September 2018. SAFE inauguration program was organized and was divided into two sessions.

SAFE program was inaugurated with Lightening of lamp by all the dignitaries on the dais. Mrs. Anjali Dhanorkar (Deputy Collector) was the chief guest of the program and madam has motivated the students and shared valuable experiences with variety of examples.

Dr. N.G.Patil , Principal, MIT (E) presided over the function and shared his valuable thoughts. Prof. S.R. Andhale , HOD of Basic Sciences & Humanities Dept., presented preamble of this function. In his opening remark he emphasized the purpose behind organizing this program, that SAFE is an initiative to create the overall personality of students and to make acquainted to the culture of the institution. The total 56 students have been nominated in SAFE-2018.



Students Association

Department of Electrical Engineering

Student's association is important for the reflection of students work both academically and non-academically in the Department. The selection process for student Association by the name **EMIT** began with the interviews of 18 students on 01/09/2018. The interview panel included the head of the department Dr. S. M. Badave and faculty member Prof. S.S.Kohli. The aim of this interview was to select a team which could work together for the betterment of department in both technical and non-technical activities. The candidates had filled their nominations prior to this interview.

The results of the association were declared on 03/09/2018 on the basis of interviews for various positions. 11 suitable students were chosen for the various posts including office bearer positions which included Swarali Varma (President), Priyanka Mukhopadhyay (General Secretary) and Rahul Mule (Treasurer). Other posts for which students were selected were for Wall Magazine, Sports coordinators, career guidance and NSS and NCC Secretary coordinators for the Department.



Exhibition.....

Department of Basic Sciences and Humanities

'Deepshikha' - Science Exhibition A.Y. 2018-19

'Deepshikha' - Science Exhibition was organized by Basic Sciences and Humanities Dept. of Marathwada Institute of Technology on Saturday 29th September 2018 in the remembrance of **late Prof. Deepika Sharma**. The program was organized and was divided into two sessions.

This program was inaugurated by Vice Principal Dr. Syed Ajjij, Hon'ble Director General Prof. Munish Sharma sir, Principal Dr. N.G. Patil, Prof. S.R. Andhale, Head BSHD and Faculties.



Hon'ble Director General Prof. Munish Sharma sir, Principal Dr. N.G. Patil, VP Dr. Ajjij Syed during visit at Science Exhibition.



Exhibition.....

Department of Basic Sciences and Humanities

continued.....

Prof. S.R. Andhale, Head Basic Sciences & Humanities Dept., presented preamble of this function. In his opening remark he emphasized the purpose behind organizing this program, that Science Exhibition is an initiative to provide a platform for students to develop their scientific aptitude.

Honorable Prof. Munish Sharma Sir interacted with students and shared his experience during his visit to participants.

Principal Dr. N G Patil Sir appreciated the efforts taken by participants and organizers.

All the students were very enthusiastic during their Demonstration of projects. The students participated in model making and Poster Presentation.

The Models and Poster were allocated for each subject. the total count for exhibition was 20 for models and 15 for poster Presentation.



Workshops & Seminars.....

Department of Architecture

Workshop On ' Barrier Free Design' By Ar.Parul Kumtha, Mumbai (7TH & 8th September 2018)

A two day design workshop on “Barrier free design” was organized by Department of Architecture at MIT on **7th** and **8th September 2018**. The workshop was conducted by renowned architect from Nature Nurture Architects and Planners Mumbai, **Ar.Parul Kumtha**.



The workshop covered a wide range of aspects, such as – Sensitization, Experiencing disabilities Introduction to universal Design concepts and accessible design guidelines. The expert speaker through a very captivating lectures and playful assignments made the students realize the importance of due considerations to be given to Integration and Inclusion of disabilities in design process.

The implementation of the knowledge gained was put to use in the two case studies that were conducted as part of the workshop. The main feature was the reflection session that provided the students with an Opportunity to discuss their observations and remedial measures on the case study conducted.

The workshop was attended by over 110 students and all the faculty members of the department.

Workshops & Seminars.....

Department of Electrical Engineering

Three Days Workshop on PCB Designing and Arduino

The three days workshop was conducted to give students knowledge about PCB Designing and Arduino. The team of students from EE Department had aimed to spread the knowledge about electrical and electronics among students of different fields and enhance the knowledge of the participants since the team believes in spreading their knowledge to other students. The exchanging of ideas on a student level leads to the development of extraordinary projects. The first two days was concentrated on basic concepts of electronics and programming and on the last day a project competition was organized where all the participants made very innovative projects. The participants were extremely satisfied and happy and motivated after the workshop.



Workshops & Seminars.....

Department of Electronics & Telecommunication Engineering

“ 5 days workshop on : “Industrial Automation using PLC” on 28/9/2018 to 2/10/2018

AMTEQ Automation is one of the leading Training provider in automation products in Industrial Automation Industry in India. The team from AMTEQ Automation conducted 5 days workshop with more focus on hands on training. The sessions covered the below contents:

Day 1 : ELECTRICAL BASIC, INTRODUCTION TO PLC

Day 2: PLC PROGRAMMING

Day 3 : SIEMENS PLC PRACTICE

Day 4: INTRODUCTION TO ALLEN BRADLEY PLC

Day 5 : SCADA and HMI

Total 44 students participated in this workshop.



Expert Talk.....

Department of Architecture

Expert Talk On “Smart City Project” Ar. Kirtee Shah President Inhaf And Ms.Neeta Pawar – Chalke Convenor Inhaf. ON Date : 5TH SEPT 2018.

An expert talk was conducted on the Topic “SMART CITY PROJECT” in the Department of Architecture, MIT Aurangabad on 5th of Sept 2018, by Ar. Kirtee Shah President INHAF and Ms.Neeta Pawar – Chalke Convenor INHAF. Ar. Kirtee Shah is renowned architect and social activist who works extensively for public causes, especially slum development, disaster rehabilitation, low-cost housing etc.



The expert talk was conducted for students of Architecture, B.E. Civil and B.Tech Civil. For the same more than 200 students and the entire faculty members were present for the session. The session was also attended by members of AMC, and practicing Architects of the city.

Expert Talk.....

Department of Architecture

Continued.....

The aim of the Talk was to make students aware of what smart city projects are all about and their role, as technological and professional students in converting a city into the smart city.

It was a great opportunity for our students and faculty to listen and interact with him. It provided an elucidation on understanding of Smart City Projects, present status of Housing, Slum, utility services (water supply, sewage), transportation etc.



Mr. Keerti Shah explained all the aspects of 'smart City Projects in India' in depth through his presentations. His presentation was not only informative but also very motivational. They made an appeal to institute, for participating in the initiative, planned jointly by a 30+member coalition, which seeks to study all the nine smart city projects in Maharashtra as a way to understanding the Smart Cities program in the country. The HoD Architecture, Prof. Kuldeep Kaur Bhatia and HoD Civil, B.Tech Prof. Sumeet Jaiswal ensured the participation



Expert Talk

Department of Architecture

Expert Talk On ‘Cement And Its Uses’ By Ultra Tech Cement Limited (15TH September 2018)

The Expert Talk was organized by Department of Architecture at MIT on 15th September 2018. The talk was conducted by Mr. Vishal A Kulkarni (Regional Head Technical Services, “Ultra Tech Cement Limited”) & Mr. Sandeep Bansal (Territory Technical Service Manager for Aurangabad territory, “Ultra Tech Cement Limited”) The program was started at 11:00 am in the seminar hall of the department. In the beginning of the Lecture Mr. Vishal Kulkarni made students comfortable & attentive with his tricky questions and made the session more interactive.



Mr. Sandeep Bansal gave brief about the Company “Ultra Tech Cement Limited” of Aditya Birla Group and their various branches. He explained in depth about the working of the companies, Manufacturing of products and their Management. He started with the basic question “what is cement ?” than he explained history of cement and its application in some historical monuments.

Department of Electrical Engineering

Adjunct faculty lecture on Substation Equipment Overview

Adjunct faculty lecture on Substation Equipment Overview was conducted by Mr. Vasant Sonwane, Deputy Executive Engineer, MSETCL , Aurangabad Division on 08/09/2018. This session included the introduction, need and importance of Electrical Substation. Explanation on types of substation according to service requirements was provided. Various substation explained were transformer substation, switching substation, convertor substation : Outdoor and indoor underground substation were also detailed.

Equipment's of EHV substations like ICT (Interconnection Transformer) was elaborated with structure of substation equipment's like instrument transformer, circuit breaker, wave trap, isolator, cables bus etc. Importance of Lightning Arrestors in the field was also details.

The session included interaction with students on basic concepts of transformers and winding types. The session was very interactive and students got a perspective of recent advancements in substation equipment in line with the industry.



Expert Talk

Department of Civil Engineering

Expert Lecture on “Introduction to Civil Engineering Software’s” by Mr. Hitesh B. Lahoti

Expert Lecture on “Introduction to Civil Engineering Software’s” by Mr. Hitesh B. Lahoti was organized by Civil Engineering Dept for T.E and B.E students on 3rd Sept 2018. He is a founder member of ‘Civil Engineering Software Academy’ and certified trainer of STADD PRO. He has completed many construction projects. He gave the introduction of Structural Software’s like STAAD-PRO and ETABS and also show their recent works which are going on and some introduction modules of software’s. His expert talk motivated the students and guided them about structural software’s.



Expert Talk

Department of Computer Science and Engineering

Expert talk on “AWS Certifications”

A expert lecture on what is Amazon Web Services? And related certifications was given by Mr. Syed Ishtiyaque on 15/09/2018 from 10:00 AM to 11:00AM.



Expert talk on “Interview Preparation”

A expert talk on “How to write Resume?” and “How to prepare for interviews?” was given by Mr. Sumit Udaygiri on 29/09/2018 from 10:00 AM to 12:00PM.



Motivational Talk

Department of Masters of Computer Application

Motivational Talk on Entrepreneurship Development (In association with departmental EDP Cell coordinator Computer Application Department....)

The event was held on 22th Sept. 2018 from 2.00 pm to 6.00 pm. The Event was coordinated by EDP cell's departmental coordinator Asst. Prof. Prashant Chintal. Objective of the session was to provide the student about how to be the Entrepreneur, How to make Partnership in Business, How to build the money to establish the new company.

The session was conducted at GECA Aurangabad. Mr. Prasad Kokid and Shirish Kandhare has given the information about how to make the best partnership while executing the company. That was followed by Mr. Ram Bhogle and he have given very much useful information about how to built funds when start with new company. This is followed by the Book Publication ceremony of the book 'Going Global' written by Mr. Datta Joshi.



Motivational Talk

Department of Masters of Computer Application

Motivational Talk on Goal Focusing

The motivational talk was organized on 24th Aug 2018, from 1.00 to 3.00 pm at MIT (E) Auditorium Hall. The Event was coordinated by Asst. Prof. Shubhshee Savant Madam. The Resource person was Dr. Sheetal Savant (Itolikar), Psychotherapist, Antarang Counseling Center, Aurangabad. The objective of the event was to make the students focus on their goal, to achieve their target without any distraction. During the session the resource person highlighted many important aspects such as Principle of brain programming, Virus in brain programming- labeling and multitasking etc., Success vs. Excellence, Process vs. result, Software in brain programming, focus and faith, language of brain programming- positive thinking.



Industrial Visits.....

Department of Electrical Engineering

Industrial Visit to MIT-Bio-CNG Plant

In first of its kind in any educational institute, MIT group of institutions came up with a brighter idea of converting bio-fuels directly to Compressed natural gas(CNG) with the concept of anaerobic digestion of organic material especially the food waste from both Boys and Girls hostel. As sustainable clean energy carrier biogas is an important source of energy in heat and electricity generation, it is one of the most promising renewable energy sources in the world.

52 students from SY Class had participated in this visit to the plant on 08/09/2018. Mr. Ajinkya and Mr. Niranjana, both engineering graduates had erected the plant without use of any type of assistance even in case of constructing the digester or setting up the plant. Both of them along with Prof S.N. Pawar enumerated various novel ideas for generating electrical energy from all sources of biodegradable resources. They also elaborated the way the plant had been commissioned, maintained and its quality assurance and control.



Industrial Visits.....

Department of Electronics & Telecommunication Engineering

Organized a visit to “Luans Electronics” Aurangabad for S. Y. B. Tech students(19th September 2018)

Luans Electronics is a manufacturer of high quality educational and professional electronic kits. The students have visited three departments. In the first department the whole process of PCB designing has been demonstrated in detail. In second department introduction of different electronic components has been discussed. In third department packaging process has been discussed. The given information was very much useful to complete projects. Students benefited by the knowledge imparted in their practical sessions.



Workshop on “Mongo DB ”

Looking at the current scenario, it is observed that students are lacking the necessary skill set to get jobs in industry. The technologies like Mongo DB, Node JS, Machine Learning, Computer vision are very much needed in industries now a days. Out of which Mongo DB can be a good start. MongoDB is an open source database management system (DBMS) that uses a document-oriented database model which supports various forms of data. It uses NoSQL banner for use in big data applications and other processing jobs involving data that doesn't fit well in a rigid relational model.

Total 50 students are participated in this workshop.



Industrial Visits.....

Department of Civil Engineering

Industrial Visit to Sardar Sarovar Dam

An industrial visit of final year Civil Engineering students has been arranged on 28/09/2018 at Sardar Sarovar Dam, Navgaon, Gujarat. Forty five students along with four faculty members including two lady faculties visited the dam site.

The objectives of visit:

- To make the students aware of various components and terminologies related to dam.
- To expose the students to construction and application of various types of galleries in the dam.
- To make the students aware of design criterion for Gravity dam, spillway and canals and its operations.
- To make the students aware of periodic maintenance scheduled of the dam.



Industrial Visits.....

Department of Civil Engineering

Organized a visit to New Girls Hostel building, MIT Campus

Construction Site Visit of New Girls Hostel building, MIT Campus was held on 5th Sept, 2018 at Site of MIT Campus, Sataraparisar, Beed by pass road Aurangabad to bridge the gap between actual construction and Academics for the Students of the Civil Engineering Department.



Organized a Industrial Visit to Jayakwadi Dam

An industrial visit of final year Civil Engineering students has been arranged on 05/10/2018 at Jayakwadi Dam, Paithan. Forty five students along with two faculty members visited the dam site.

Objective: To observe various components of hydraulic structure such as,

- Inspection Gallery
- Water Power Generation
- Canal
- Ogee Spillways
- Spillway gate



Success Story.....

NPTEL Local Chapter MIT (E), Aurangabad

NPTEL Local Chapter was established in MIT (E) on 23rd June 2017. Various awareness sessions regarding NPTEL online courses were organized at different departments.

Objective of Sessions:

- To Aware the faculty and student regarding NPTEL Local Chapter
- To understand the NPTEL online courses and certification
- To Guide them the flow of NPTEL registration process



Registrations for Apr 2018 online courses and examination

Total Registrations		
Total	Faculties	Student
121	51	70

Success Story.....

NPTEL Local Chapter MIT (E), Aurangabad

Course Run	Present	Gold	Elite	Successful	Participation	Topper
JAN-APR. 2018	34	0	21	10	3	1





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