







Towards ....Building a Sustainable Community

# MARATHWADA INSTITUTE OF TECHNOLOGY, AURANGABAD

Publishing

# MIT

# **E-MAGAZINE**

## A New Step Forward.....

#### Hello Everyone,

It gives me immense pleasure to bring to you this third creative edition of MIT( E ) magazine. I am glad to report the enthusiasm of the students and the faculty of the college to contribute to the magazine.

I am thankful to all the students who not only manage to study well but taken time to contribute for the magazine during their exam time. Our students as well as faculties have devoted time and plunged into creating articles, heart-warming poems, vibrant sketches, and pictures. This shows the positive and creative energy of creators present in the college.

This issue of magazine is designed to present to its readers the monthly events that have gone by, achievements of our students and faculties.

With a sense of delight and satisfaction, I would like to say that with the active support of the Management, Principal, Faculty and Students, MIT magazine is moving towards a new direction. I congratulate all HOD's and students for making it innovative and inspiring. With all the strengths and contributions put in, I truly hope that the pages that follow will make some interesting reading.

I invite you to read and immerse yourself in the creativity and be rejoiced.

Prof Deepali K. Hejib E-Magazine Coordinator

Editorial.

## Being Creative.....

# TECHNOLOGY MIT SUCCESS LEARNING

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# Let's Pen Down.....

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## A Walk To Nursery...

Every walk is a learning opportunity about the observations: Layouts, Dwellings, Roads + Traffic, weather, colors of plants, flowers, houses, cars and bikes, etc.

Once travelling to Indian grocery store, at road signal I came across the beautiful big green pots termed as French Anduze Pot (Green Garland) attracted me and decided to visit the place very next day.

Julian Ronchi is a Garden Design and Nursery with

delightful indoor showroom of plants, inviting nature into homes and outdoor furniture. A Boutique nursery is located 2 KM on Dandenong Highway from my homestay (Australia)

Nursery itself was very pleasing and charming with beautiful- vibrant plants, colorful bloomers, kitchen garden plants, etc.

All the plants in the nursery forced me to touch – feel - smell the flowers, leaves, fruits.





Travlogue.

## A Walk To Nursery...

The diverse design and collection of landscape elements and furniture like various types of pots of different materials, size, design and colors are very attractive and add its own identity to the space as whole.

Julian Ronchi is a complete package, provide services right from planning to execution and also assist with plant suitability and care with organic mix fertilizers. The vibrant collection forced me to buy a plant with the handmade pot of coconut shell.



This was all about Julian Ronchi, but the walk to reach there was equally interesting. To start from home, the types of houses- bungalows, apartments & its façade, the landscapes, gate designs, grill designs, name plates, etc. stopped me almost everywhere to take picture. Also the types of vehicles- its color, the brand, nameplate, etc.

ATLAST, I WOULD SAY, A WALK TO NURSERY WAS A WALK TO REMEMBER, IS MUST TO EXPLORE NEW ALWAYS.



@ Prof. Anupama Morankar, Dept. of Architecture.

Travlogue.....

## Photography.....

Photography is a story which I fail to fill it in my words. Yes, and my camera is my best buddy who I fell in love with, when he was little with me; now both of us have gone ages but I am still in love blindly. He was my eyes but now he is my heart. At first my opinion about ' CAMERA & PHOTOGRAPHY' was not as impressive as now. I was like ;PHTOGRAPHY' is not a big deal, anyone can do with digital camera; but I was in (mis)understanding as most of peoples do. If there is a great scene then photographer can take pictures easily, but this is wrong. In infinite functions like brightness, contrast, focus, composition, perspective, color temperature, etc. are even more important and more tough to handle on the scale 10. Also there is wide variety of lenses which can make your photos extraordinary. We photographers have to be well known and handy with these functions. A moment is just for a fraction of seconds, it needs great skill and practice for excellence in it.

There is a quote "Love Blindly on your work, & you will never have to work daily", this completely defines photography. Also photography. Also photography is not a work and never will be & we lived it again and again with ease also in beauty. A photographers clicked pictures tells lot more about him than the future teller. When we boil a thinking on high curiosity with two tea spoons colors and grind it with natural beauty with lots of emotions, you get a mouth watering photo which is captured by eyes, composed by brain & loved by heart.

At last photography technology has not progressed so far that we can tell when the photographer could smell the roses but we can almost always tell when the photographer slowed down and actually experience a bit of the world. And eventually reality is 'Earth is an ART; we are only just witnesses.

> Amey Ramchandra Sanas Fourth Year (YCMOU) Architecture Department

# Poetry

doesn't say anything it just ticks off the possibilities LISTEN opens all doors you can walk through any one that suits you -Jim Morrison

## THE BASE .....

## WINDOW .....

To make capable we students, Merely, ye are the base. In case of our life, Ye are the real carver.

Tiring with difficulties, We're withdrawing steps. Sweetness in thy words encouraged to fulfil our dream.

Helpless we were! We were directionless! Thy pure demeanour stirred a glimmer of hope in our mind!

The greater Jewel ye are! Ye are an utmost knowledgeable! Banyan tree, ye are! Under thy shadow, we became wise.

Dr. Ganesh Sarangdhar Kakade BSHD, MIT, Aurangabad.

Candle to the darken room... Wait of a bride's groom. Heart aloud in the space .... You are Raupanzel's escape.. Stability of the sea to curiosity of an oceanic wave !!!

> Harshita chaudhary Fith Yr.Architecture





अभी अभी जो पल गुजरा है एक ख़याल, फिरसे उ<u>भरा है</u>

ये जो लफ्ज़ मैं चुनकर खोज़ूं या फुसलाकर उनको भेज़ूं गर ना पहुंचे ये मंज़िल तक या लग जाए इनको भनक के ये तो है कुछ देर के राही व्यर्थ है इनका जग सारा ही उलझन में यूँ, रूठे तो क्या? सच सांझा, फिर टूटे तो क्या? सच सांझा, फिर टूटे तो क्या? शब्दों के बिन, थम गई भाषा किंचित, विचलित, मै बे-आसा मनाऊँ के, उनको ही सोचा है, जिसमे... अभी अभी,... ये पल गुजरा है ।

© शौनक कुलकर्णी 05/01/2019



# Through the Lens.....

Survine

## Through the lens.....

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#### **BE FEARLESS!!**

Madhusudan Lahotí

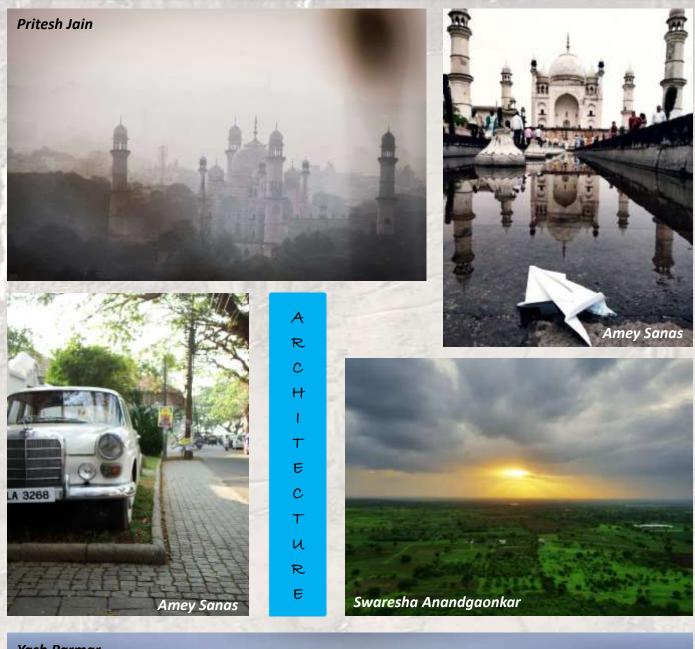
and wanted in the

- Rícha Pande,
- Amey Sanas,
- Smrutí Mahatole
- Rajat Patale



Madassidian lahots

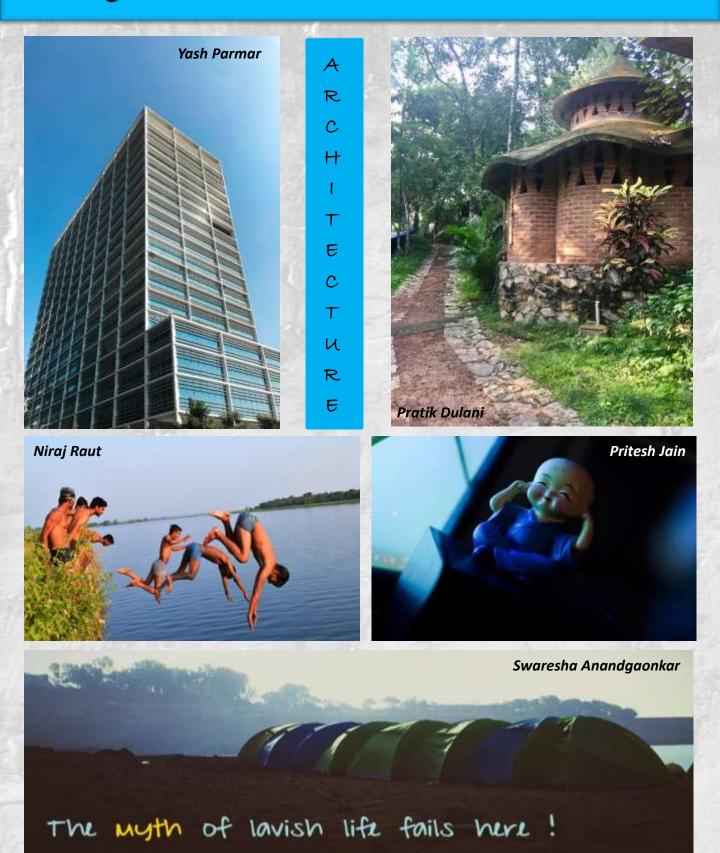
#### Through the lens. . .



Yash Parmar



## Through the lens.....



## Through the lens.....

#### Prof. Deepali Hejib

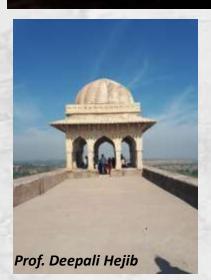






#### ARCHITECTURE



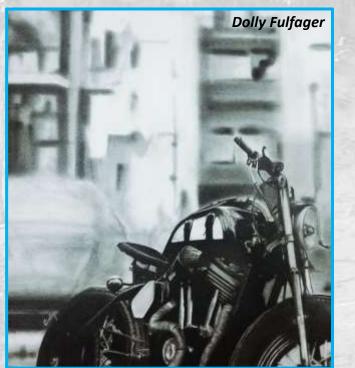




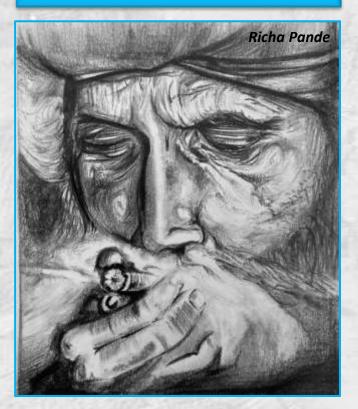
# From notebook to Canvas.....

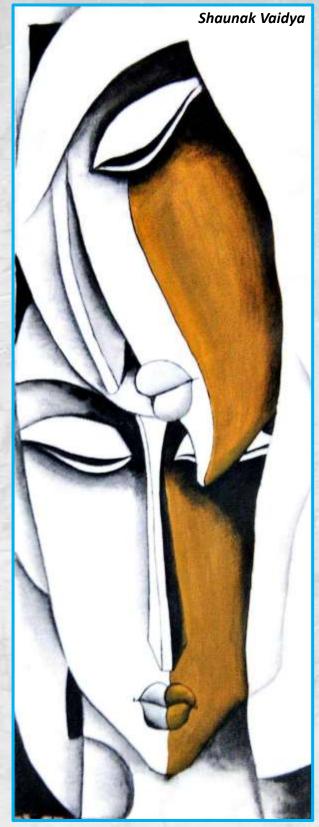


## Art Works .....



#### 3<sup>rd</sup> YEAR Archítecture





Art Works .....



## Art Works .....



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



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





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## NOLATION CREATION TECHNOLOGY MIT DESIGNERS SUCCESS Z ERS LEARNING

#### Mahatma Gandhi and Lal Bahadur Shastri Jayanti celebration 2<sup>nd</sup> Oct. 2018

Mahatma Gandhi and Lal Bahadur Shastri Jayanti was celebrated on 2<sup>nd</sup> Oct. 2018 with lots of enthusiasm and zeal. Master Ishwar Kharat, Master Vashistha Ingale, Miss Sakshi Dodke and Miss Rohini Nakhate spoke on the life and achievements of Mahatma Gandhi and Lal Bahadur Shastri. Principals of all five institutes presided over the function. Dr. S.P. Bhosle, Principal, MIT-T spoke on the occasion followed by Dr. N.G. Patil, Principal, MIT-E. Miss. Pratiksha and Vashishtha Ingale anchored the program. The program was organized under the guidance of Prof. S.G. Quadri, Students Council Incharge. The program concluded with National Anthem.





Campus Diary..... Events.....

Competetion....

#### 15<sup>th</sup> NYPC conducted on 25<sup>th</sup> Oct.2018 in MIT

15<sup>th</sup> National Youth Parliament Competition was held on 25<sup>th</sup> Oct. 2018 in our institute. Dr. Tarun Arora, Group Coordinator, NYPC and Dr, R.M. Damgir, Associate Professor, GECA were Judges for the event. In all 55 students of various streams participated in the event. Various issues related to Naxalism, GST, Inflation, Health care etc. were raised in the house. Honourable Dr. Y.M. Kawade presided over the event. Dr. Nilesh Patil, Principal, MIT lauded the participation of the students. The entire event was conducted and organized Prof. S.G. Quadri, NYPC – Institute coordinator.



Campus Diary..... Events.....

Competetion....

#### 15<sup>th</sup> NYPC conducted on 25<sup>th</sup> Oct.2018 in MIT







Campus Diary..... Events.....





Kishore C. Raipurkar Asso. Professor

Dr. Aruna P. Maharolkar Asst. Professor Dr.C. L. Gogte Professor & Dean, R & D

Patent Filed on 11/01/2019

Title : A Technique For Carbon Nanotube Surface Modifcation Using Liquid Nitrogen

Department of Mechanical Engineering Marathwada Institute of Technology Aurangabad

### Achievements.....

#### **Department of Electrical Engineering**

MIT Aurangabad, won the **second prize** in **13thState level award** for **excellence in energy conservation and management by the Maharashtra Energy Development Agency (MEDA)**.

The MEDA award is conferred to the facilities and units that take extra efforts for efficient utilization and management of energy. Also efforts in conservation of energy and focus on alternative sources of energy are counted as a parameter for presenting the award.

MIT, Aurangabad has constituted 'Energy Cell' to undertake several projects and to create awareness of energy conservation among the students, faculty and society. To conserve the electrical energy, MIT, Aurangabad has installed renewable energy sources on campus, such as 35kVA Gasifier and 350kWP roof Top Solar System, which fulfills 40% electricity need of MIT.

		Medical College Kalwa., Thane	First	
31	Educational & Research	Sharad Institute of Technology College of Engineering, Kolhapur		
32	Institution	G.S.Mandal's, MIT, Aurangabad	Second	
33		Zeal Education Society's, Pune	Third	

### Achievements.....

#### **Department of Electrical Engineering**

MIT, Aurangabad has also extended Efforts in technology. Dr. S.M. Badave, Head, EEE Department, Prof. S.N. Pawar, Prof. K.K. Jadia are the key faculties from MIT, Aurangabad for implementing these green energy conservation changes in MIT, Aurangabad.. Hon. Dr. Y A Kawade, President, G.S. Mandal, Aurangabad, MIT Director General Prof. Munish Sharma, MIT-E Principal Dr. Nilesh Patil, and all faculties congratulated Dr. S.M.Badave, Head, EEE Department and her team members for winning this prestigious award.



## Report on NPTEL Local Chapter MIT (E), Aurangabad 2018-19 Part-I

- Communication of Enrollment for the Jul- Oct 2018 semester courses to all head of departments (Mechanical, CSE, EEE, Arch., ETC, Civil, Basic Science and Computer Applications) and their respective coordinators via mail.
- Displayed NPTEL online courses posters to all department, Library and central notice boards
- Conducted sessions for faculties of all department (Mechanical, CSE, EEE, Arch., ETC, Civil, Basic Science and Computer Applications)
- Dr. N. G. Patil (Principal), Dr. D. V. Nehete (VP Academics) and Dr. H. M. Dharmadikari (VP Administration) distributed Jan-Apr 2018 certificates to all concerned faculties and students.

**Recognized as an ACTIVE Local Chapter for Jul-Oct 2018** 

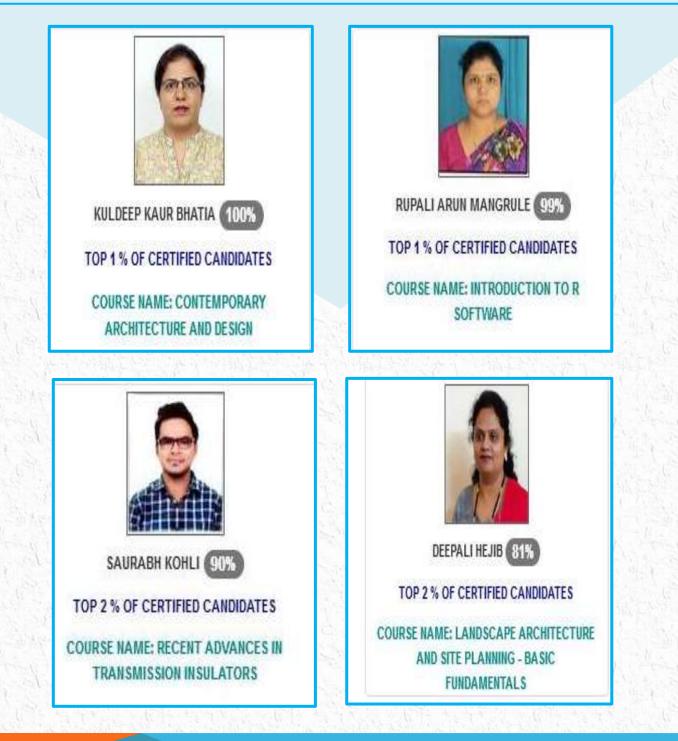
Registrations and Result Analysis for Jul-Oct 2018 online courses and examination

	Total Registrations							
Total			Faculties		Student			
407			99		308			
Mr. S.	and the second	Star Land	New Station	Safety Sal	1 A Share			
Course Run	Present	Gold	Elite	Successful	Participation	Topper		
<u>Jul-Oct</u> <u>2018</u>	70	3	39	22	6	10		

Campus Diary..... Achievements....

### NPTEL Local Chapter Topper's Jul-Oct 2018 (Online Examination)

#### Achievements.....



## NPTEL Local Chapter Topper's Jul-Oct 2018 (Online Examination)

#### Achievements.....



### Felicitation of Students

#### **Robotic Center of Excellence**

Felicitation of students who have completed value added course in Siemens NX CAD at Robotic Center of Excellence.





#### **Department of Architecture**

# Interaction Session "Acting- President, Council Of Architecture, New Delhi" @ MIT, Aurangabad

The honorable Acting President of Council of Architecture, Ar.Vijay Garg, Ar. Ramesh Chavan, Pune and Ar. Nilesh chavan from Nashik visited MIT institute on 5<sup>th</sup> Decemeber, 2018 .They were welcomed by Prof. Munish Sharma, Director general of MIT, Principal Prof. Nilesh Patil and Head of the Department of Architecture, Architecture Prof. Kuldeep Kaur Bhatia. The Director General, MIT enlightened them regarding the splendid developments that have taken place in the educational campus of MIT.





The interaction session started with the introduction of the guests. The Head of Architecture Department gave a presentation of the Department, its development from 1984, student activities and all initiatives taken by the Department for all round development of the faculty and students. The guests were happy to note the progress made by the MIT group of institutions and also the Department of Architecture in particular. The president of the CoA gave guidelines to all present in respect of the future course of Architectural Education in India and steps to be initiated keeping in view the CoA norms, Rules and Regulations.

Campus Diary..... Events.....



#### **Department of Architecture**

#### Continued.....

The guests also appreciated various steps and efforts taken by all the faculty members of the Architecture Department to take the Dept. to its present status.



Prof. N.G.Patil, Principal, Prof. H.M. Dharmadhikari, Vice Principal (Administration), Prof. Sayyed Aziz, VP (Academic), HoD Kuldeep Kaur Bhatia and all other faculty members of Department of Architecture had a healthy interaction with the guests . Prof. Kuldeep Kaur Bhatia, concluded the event by thanking the guests.



Campus Diary..... Events.....

Report.....

#### **Ready Engineer Program 2.0**

#### NATIONAL EDUCATION EXCELLENCE AWARD 2017

An Initiative by TATA Technologies Limited

The purpose of the Ready Engineer program is to bridge the engineering industry talent gap by educating and mentoring aspiring young engineers. The aim is to be a catalyst in reducing the academia-industry gap and ensure that the future engineers are ready for the industry.

To make Engineers Industry-Ready by training them on engineering fundamentals & concepts, applications & contemporary technologies, soft skills to enhance their awareness & to increase their employability.

Tata Technologies' 'Ready Engineer' program identifies 2nd and 3rd year mechanical engineering students from colleges to be part of this unique training The program imparts application-based training by industry experts in technical domain training, soft skill training, employability assessment and National Program on Technology Enhanced Learning (NPTEL) courses to meet the future opportunities of Industry 4.0.

Campus Diary..... Events.....

Report.....

#### Continued .....

NPTEL, KRACKIN and Aspiring Minds have been selected as the implementation partners for this program. NPTEL provides e-learning through digital and video courses in engineering, the sciences, technology, management and humanities. It is a joint initiative by seven Indian Institutes of Technology (IITs) and the Indian Institute of Science (IISc) Bangalore. KRACKIN, a startup based out of the NASSCOM 10000 Startup warehouse in Bengaluru, is a platform to help improve the industry-readiness of engineering students with timely industry interventions through their web and mobile platforms. Aspiring Minds, a talent assessment organization, helps to enhance soft skill and personality development through credible assessments and training.

#### TATA TECHNOLOGIES AND MIT, AURANGABAD SIGNED MOU

In Department of Mechanical Engineering 80 students from Third Year and 80 Students of Second year have registered for the course and successfully completed first semester.

Improvement in soft skills and more practical approach to the subjects is developed in students.

#### **Faculty Coordinators:**

Prof. R. B. Dabhade Prof. R. K. Shelke Prof. S. R. Gaikwad

Campus Diary..... Events.....

Report.....

Continued .....

#### **READY ENGINEER'S SOCIAL RESPONSIBILITY CAMPAIGN**

Tata Technologies encourage the Ready Engineers students to take up the Volunteering activity during their course TTL recommends one semester one activity model. The fees collected for Ready Engineer course shall be utilized for the volunteering activity

RE students of MIT, Aurangabad helps this "Free Socio-Techno Awareness Activity **Scientific Talent Identification & Nurturing Program**" run free of cost by Prof. Bharati Damdhar to develop various qualities like Creativity, Logical thinking and Analytical thinking and 'Innovative idea execution' approach in the budding brains.

Provided the financial support to purchase materials, Models, Microscope etc. which is used to demonstration to students during session.





Campus Diary..... Events.....

## International Conference on Smart Computer Applications and Innovations (ICSCAI-2018)

Organised by Department of Computer Science & Engineering (CSE) AND Department of Masters of Computer Applications(MCA) on 21<sup>st</sup> and 22<sup>nd</sup> December 2018

The conference was held on various themes like 'Image Processing & GIS', 'Intelligent Information Systems', 'Next Generations Network and Security' and 'Data Science'. More than 100 researchers had submitted their article, best 50 research articles were selected for publishing in reputed journals. The keynote and plenary speeches were given by

- 1. Mr. Abhay Kumar Deshmukh, CTO, NIHON, Bangluru
- 2. Mr. Mukund Kudrimoti, Cognizant Technology Solutions, USA
- 3. Ms. Manasi Patvardhan, Tata Research Center, Pune



Campus Diary..... Events..

## International Conference on Smart Computer Applications and Innovations (ICSCAI-2018)

#### Glimpses of the conference....











Campus Diary..... Events.....

#### Internal Complaints Committee (ICC), MIT, Aurangabad

#### "Self Defence Techniques" by the organization 'Mission Sahasi', Aurangabad.

Internal Complaints Committee (ICC), MIT, Aurangabad arranged two hours training program on "Self Defence Techniques" by the organization 'Mission Sahasi', Auranagabad formed by NGO'S SavitriBai Phule Mahila Ekatma Samaj Mandal, Student for Seva and Krida Bharti, Aurangabad.Workshop was conducted on 19<sup>th</sup> October 2018 (8:30 to 11:30am) at Main auditorium, MIT Campus, Aurangabad. Workshop was organized for all girls' students of Marathwada Institute of Technology. The workshop focused on self Defence techniques which were explained on actual practice.

The program was carried out by starting with registration (8:30am - 9:00am) and inaugural function. Following are the details of session conducted:

**Inaugural function:** The function was started at 9:00 am, by welcoming Guest Dr. Divakar Kulkarni, Pankaj Bharsakhale, Prajakta Jagdhane and team explaining the self Defence techniques of Mission Sahasi, Auranagabd.



The Mission Sahasi aims at not just instilling confidence into girls and women's, but also to bring the much-required change in the 'Chalta Hai' attitude prevailing in the society towards women and their issues. It is a Self Defence training programme for girls imparted by the martial arts trainers and security experts.

Campus Diary..... Events.....

Workshops & Seminars

#### Internal Complaints Committee (ICC), MIT, Aurangabad

#### Continued....

#### Self Defence techniques:

All participants were informed to come empty stomach as to train them more efficiently. There were total more than 60 girl participants accompanied by faculty members for the training. Participants were very enthusiastic and the response was quite good.



Martial arts expert explained about Kubotan and its uniqueness in area of Self- Defence. The participants were asked to use Pens, Safety pins, key chains which would be used as a safety tool. Then various techniques were showed practically how to use the tool and were also made to practice the techniques with other participants.





Campus Diary..... Events.....

Workshops & Seminars

#### Internal Complaints Committee (ICC), MIT, Aurangabad

#### Continued....

From this workshop we came to understand that self Defence techniques are easy by using daily objects like pen, pin, etc. The initiative aims to empower the 'fight' within the 'women' to protect herself. And also participants were looking forward to attend such workshops on larger scale to empower the skill of Self Defence.

This one day workshop was attended by ICC–Presiding Officer, girls of Marathwada Institute of Technology, Faculty Coordinators of all departments, and ICC Members.



Mission Sahasi members, Mrs. Kulkarni and Ms. Prajakta Jagdhane interacted with Principal.

Prof. Pranita Pranjale, ICC- Presiding Officer concluded the workshop by thanking the Mission Sahasi Members and experts.

Campus Diary..... Events.....

### **Industrial Project**

#### **Robotic Center of Excellence**

#### Rigid Foam Sculpture of Bull.

An industrial project of sculpting a bull was carried out at the center in first week of January 2019 . The image of the bull was scanned by 3D scanner and the programming was completed using MASTECAM software and the sculpting was done by RMC\_10\_KUKA robot. The project took 10 hrs for completion.





## Educational Tour of MIT CIDCO students on 15<sup>th</sup> Jan 2019



The B.Sc (Workshop Technology and Automobile Engineering students of MIT CIDCO had visited Robotic Center of Excellence. The students were acquainted with the facilities at the center as well as briefed about the value added courses carried out at the center. The were informed about the CAD Siemens NX software, CNC lathe and CNC milling machines and RMC\_10\_KUKA Robot.

Campus Diary..... Events.....

Site Visits.....

#### **Department of Architecture**

## Dr. Shreya Sawalikar residence:Filler Slab construction Sudhakar Nagar, Aurangabad. (17<sup>th</sup> Dec. 2018)

The twenty students of First year and Fifth year Architecture accompanied by Prof. Deepali Hejib, and Ar.Dhananjay Pund, visited the residential site of Dr. Supriya Kedar Sawleshwarkar on 17<sup>th</sup> December 2018. The main objective of the visit was to experience and understand the construction methods of Filler Slab practically.

Purpose of Visit was to study and learn basic of construction of Filler Slab and different structural design of Filler Slab in a Residential building. More understanding about cost effective construction technology of buildings and different methods of constructing, plus explore and identify different materials. Students studied the basics of filler slab construction, how the Reinforcement and Forming of Slab and Beams of a building are done. They also studied the environmental friendly techniques and cost effectiveness of providing these types of slab. Students also studied different structural components of a building and there construction. It was an informative, interesting and a successful visit.

Campus Diary..... Visits.....

Site Visits.....

#### **Department of Architecture**

Glimpses of site visit....



Campus Diary..... Visits.....



#### MIT

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