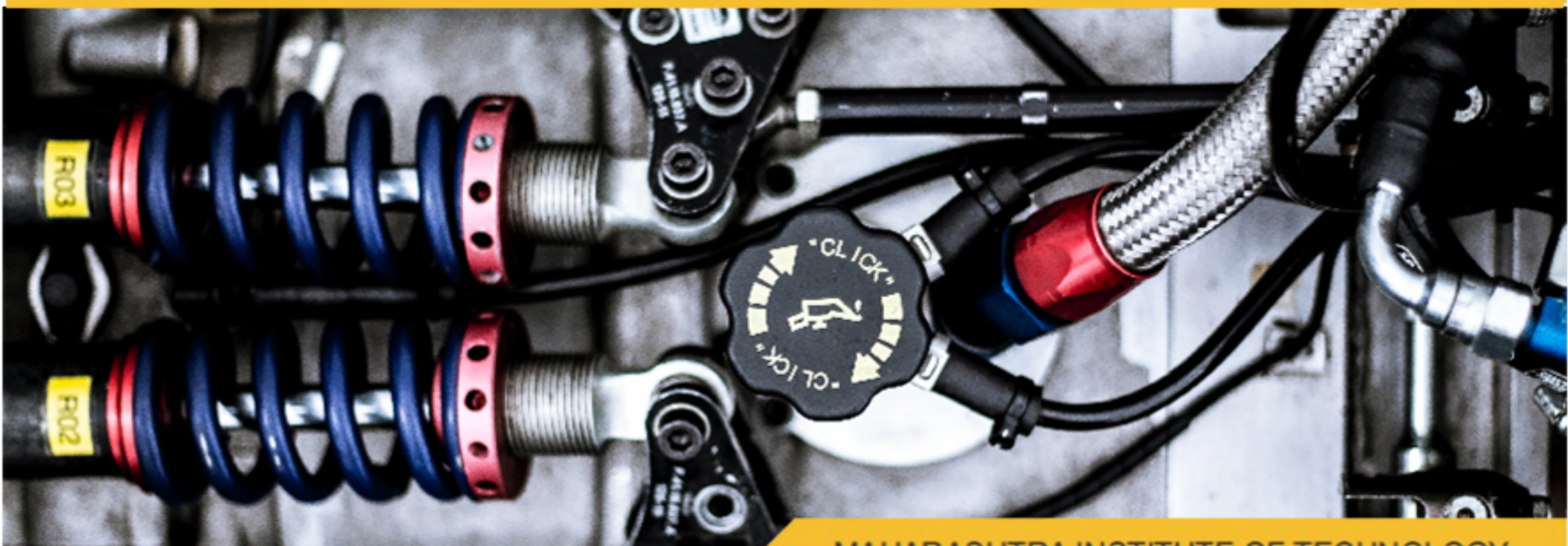


M.I.T B'TECH

MECH-ZINE 2020



MAHARASHTRA INSTITUTE OF TECHNOLOGY

13TH EDITION

Mechanical Engineering Magazine

Forward From Editorial Team:

“MECHZINE” highlights achievements and events conducted by the Department of Mechanical Engineering. The team’s efforts towards providing the readers with the dimensions of enthusiasm that our students and teachers measure along with the marvelous moments shared in and out of the academics.

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Content

1. Workshop
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Workshop

AMME-2020

Five days workshop on Technical Symposium on Advances in Material and Manufacturing Engineering (AMME-2020) was jointly organized by Department of Mechanical Engineering and Department Of Basic Science and Humanities . and scheduled on 30th June to 4th July 2020.

The program was organized under the supervision of Dr. Santosh Bhosle, Principal, MIT and Dr.A.J.Keche, Head, MED. And the Faculty Co-ordinators of this event was Dr.Swamini Chopra, Dr.Bhagwan Toksha and Prof. Trishul Kulkarni.

One day workshop

One day workshop on Opportunities for Higher Education and Research in Engineering organized by Department of Mechanical Engineering scheduled on 22nd July 2020.

Placement

Departmental Placement of Year 2019-2020



Name : Rohit Nair

Industry : Byjus Think and
Learn Pvt. Ltd.



Name : Sheeban Akthar

Industry : Jaro Education
Pvt. Ltd.

Webinar

"Virtual Reality and Augmented Reality"



Dr. Datta Parle

(Alumnus MIT

Technical Consultant)

The session started with welcome of guest followed by preamble of the Webinar on "Virtual Reality and Augmented Reality" Dr. A.J. Keche, Head of Mechanical Engineering Department, in his inaugural address, emphasised on the need of such workshops in Covid-19 Pandemic situation and welcomed the guests on the behalf of MIT family.

YouTube Video Link for Recorded Live Session of Webinar:

<https://www.youtube.com/watch?v=8GxiVWZRX8E&t=1681s>

Dr. Datta Parle in his talk during the session told participants about what is the role of Virtual Reality and Augmented Reality” in the manufacturing sector . Dr. Parle talked about the numerous applications and exciting benefits of incorporating Virtual Reality and Augmented Reality. The webinar also covered the industries and companies currently making use of and thriving with the help of AR/VR in training, to give you a more realistic outlook on using these technologies.

Dr. Parle elaborated how with augmented and virtual reality in training; companies can provide their employees with immersive, interactive and engaging training scenarios in which the employees can participate as if physically present. He also told the importance and opportunities of Virtual Reality and Augmented Reality in Mechanical Engineering. The session was largely appreciated by the participants

Around 150 participants were present for the session.

Webinar

"Additive Manufacturing "



Mr. Yogesh Pawar

(Alunmus MIT
Founder, IPRO 3D)

Session started with formal introduction of speaker by Dr. A.J. Keche, Head of Mechanical Engineering Department, and welcome of the guest. Mr.I.A.Quazi hosted the session on ADDITIVE MANUFACTURING.

Mr. Yogesh Pawar talked about his own Start up on iPRP 3D and 3D printing. Mr. Yogesh Pawar discussed the challenges in 3D printing and opportunities for young engineers in 3D printing and how it is beneficial to students and its application in industries. He also elaborated various technologies.

The session was very dynamic and informative. Lots of implementable ideas regarding an important and current topic was discussed. The participants really enjoyed his session

Around 120 participants were present for the session.

After the end of session, Valedictory Function of the work shop started at 6.15 pm sharp.

The valedictory function was attended by Dr. A.J. Keche Head of Mechanical Engineering Department, Faculty members, students, and participants.

The feedback was taken through online form and Certificate of participation was also given to participants.

Mr.T.P.Kulkarni, Coordinator of the webinar proposed the vote of thanks in very delightful manner. After vote of thanks the webinar was ended.

All the sessions were hosted and Coordinated by organising committee members Mr.T.P.Kulkarni ,Mr.I.A.Quazi and Mr.P.A.Lad.

Number of registrations: - Around 320

"Opportunities for Mechanical Engineers in Ai World"



Mr. Mandar Kulkarni

(Group Manager, Findability
Sciences Pvt. Ltd)

The session started with welcome of guest followed by preamble of the Webinar on **"Opportunities for Mechanical Engineers in Ai World"** Dr. A.J. Keche, Head of Mechanical Engineering Department, in his inaugural address, emphasised on the need of such workshops in Covid-19 Pandemic situation and welcomed the guests on the behalf of MIT family. Prof. V. M. Chidri Dean Alumni affairs MIT (T) also guided on this occasion.

Mr. Mandar Kulkarni in his talk during the session told participants about what is the role of Artificial Intelligence in the manufacturing sector and the need of the AI in Mechanical Engineering. Mr. Kulkarni elaborated the importance of I.4.0 and required skills of Mechanical Engineering in this AI world. Session speaker also told the budding professionals about the career opportunities in this field and provided enough guidance to achieve the same. The session was largely appreciated by the participants.

Around 250 participants were present for the session

"Journey of Excellence through TPM"



Mr. Lalit Patil

(Dy. Manager,
Godrej Aerospace)

Mr. Lalit Patil elaborated 'Journey of Excellence through TPM' in his speech. Mr. Patil told about their company that how they have achieved a major milestone through TPM and awarded for the same.

The session was very Interesting and provoking and it gives a completely different perspective of looking towards TPM journey.. Mr. Patil explained all the things in TPM using various case studies and also stated the importance of TPM. He also told that how quality can be achieved through TPM in excellent manner.

Around 100 participants were present for the session.

After the end of session, Valedictory Function of the work shop started at 5.30 pm sharp.

The valedictory function was attended by Dr. A.J. Keche Head of Mechanical Engineering Department, Faculty members, students, and participants.

The feedback was taken through online form and Certificate of participation was also given to participants.

Prof. I.A. Quazi, member of organising committee proposed the vote of thanks in very delightful manner. After vote of thanks the webinar was ended.

All the sessions were hosted and Coordinated by organising committee members Mr.T.P.Kulkarni ,Mr.I.A.Quazi and Mr.P.A.Lad.

Number of registrations: - Around 380

Number of states: -2-3 states across India

Webinar

"GATE PREPARATION AND CAREER OPPORTUNITIES"



Mr. Anirudhha Kulkarni

(Research Engineer ,
BPCL, Greater Noida)

The session started with welcome of guest followed by preamble of the online Webinar on "Gate Preparation and Career Opportunities" Dr. A.J. Keche, Head of Mechanical Engineering Department, briefly told about the journey of the department and milestones achieved by the department in due course of time . Hon. Principal Dr. S.P. Bhosle, in his inaugural address, emphasised on the need of such workshops in Covid-19 Pandemic situation and welcomed the guests on the behalf of MIT family.

Mr. Aniruddha Kulkarni talk during the session told participants about the need of GATE preparation and GATE examination. He was telling participants about how to prepare for Gate exam, what should be the strategies of students while preparing. Speaker also told the budding professionals about the career opportunities in different field and provided enough guidance to achieve the same. The session was largely appreciated by the participants.

Around 200 participants were present for the online session.

NCC

"National Cadet Corps"

The National Cadet Corps is the youth wing of Armed Forces with its Headquarters at New Delhi, Delhi, India. It is open to school and college students on voluntary basis.



"National Cadet Corps"(N.C.C.), in Maharashtra Institute of Technology, Aurangabad, conduct active programs which provide students with an opportunity to be trained equivalent to that of the military cadets, to know more about the military equipments and gain on-field experience.

At the beginning of second year, 20 new students are enrolled in N.C.C. The students are trained with basic knowledge of military equipments and on-field experience in the basic training camps. Around 50 students are enrolled juniors & seniors, for these training camps every year.

The main aim of the training given is to:

- Develop in youth the quality of character, courage, comradeship, discipline and spirit of adventure, sportsmanship and the ideals of selfless service among the youth to make them useful citizens who can serve their country effectively and passionately.
- Organize, train and motivated youth, to provide leadership qualities in every sphere of life .
- Motivate the youth of our country to take up a career in the Armed Forces. Also youth become really dedicated towards the nation and is ready to face any challenge, whether natural or man-made



Objectives :

To develop discipline and awareness in the student towards the defense of country. The opportunity of military training and character building should be provided to student.

Gaining the "C" certificate indicates the cadet has successfully passed a cultural training camp and gives him benefits in military employment like,

1. Thirty-two vacancies in every regular course of the Indian Military Academy (IMA).
2. The NCC Special entry scheme offers short service commission of 5 years (non-technical) in the Indian Army to graduates(50% aggregate).
3. 10% in all course including flying training courses in Indian Air Force.
4. 2 to 10 bonus marks awarded for recruitment

Under N.C.C. the other activities conducted were

1. Flag march
2. Camp training
3. Volunteering in marathon
4. Social service

FACULTY HIGHLIGHT

CONFERENCE

Dr.S.A.Chopra, Asst.Prof.MED, MIT, is invited as keynote speaker at, " Global virtual Summit on Advances in Materials, Physics and Chemistry Science". The Talk will be virtually delivered via a video conferencing between Sept.11-12, 2020. She will be speaking on," A novel microwave treatment to augument the mechanical properties of polymeric materials".