



E- Magazine

Issue 21, June 2021



MARATHWADA INSTITUTE OF TECHNOLOGY, AURANGABAD

Publishing

E-MAGAZINE

JUNE 2021



SUCCESS

TECHNOLOGY

CREATION

INNOVATION

MIT

DESIGNERS

ACHIEVERS

LEARNING

Campus Chronicle.....

Tech Elektra 2k21

The pandemic did not adhere the Department to conduct its annual technical event “**Tech Elektra 2k21**” though in the online mode through zoom and google meet platform. The theme this time was **Alumni Rendezvous** followed by **Fun Events** planned by the Student Association of the Department. Each day was graced by an alumni of the Electrical Department. The overall summary of all 4 days is as below:

DAY 1: 25th June 2021

Alumni speaker: Mr Pratik Gawade

A knowledgeable and very lively session about the alumni's college experiences, and life after graduation. Mr. Pratik Gawade, who is a social worker, shared his experiences, guidance on how college activities helped him to build his career and life. This indeed motivated all the students. He also explained the significance of social work, answered some questions asked by the students. It was a pleasure to see him interact with the faculty and discuss his college days.

The session was truly inspirational, joyful and full of life.

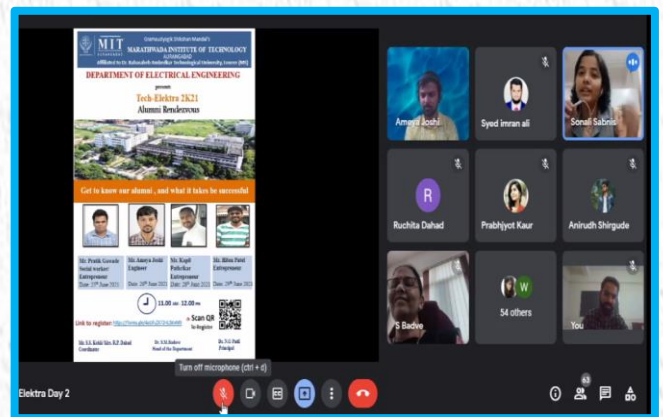
EVENT : Picturesque

The first event of Tech Elektra 2k21 started with utmost enthusiasm and active participation of the students, where students submitted their best clicked photographs. This round was followed by a selfie round which was fun and enjoyable.

Tech Elektra 2k21 – Alumni Rendezvous Glimpses



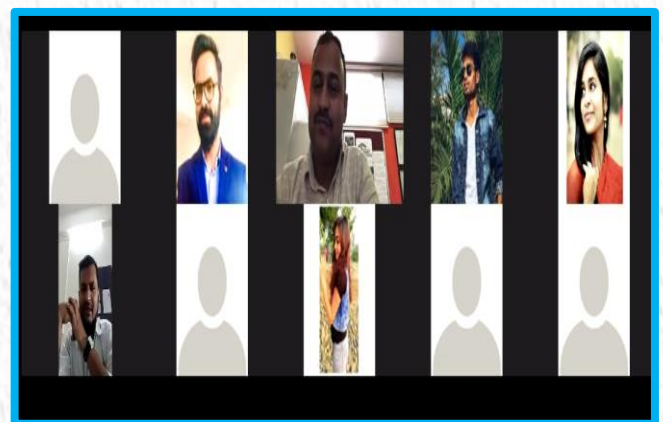
**Alumni Pratik Gawade
Interacting**



Alumni Ameya Joshi Interacting



**Alumni Hiten Patil
Interacting**



Alumni Kapil Pathrikar Interacting

Tech Elektra 2k21

DAY 2 : 26th june 2021

Alumni speaker: Mr . Ameya Joshi

The second day of Techelektra continued with same zeal. The speaker was Mr. Ameya Joshi. guided on embedded systems, computer languages like python, and automation industry. The students participated with total attentiveness and got their queries resolved.

EVENT : Mentimeter Fun

The event was full of fun quizzes, crazy questions and so much laughter. This event surely brought out the little child in every one of us. The students of the department participated in large number .

DAY 3 : 28TH JUNE 2021

Alumni speaker: Mr. Kapil Pathrikar

An informative session delivered by Mr. Kapil Pathrikar where he shared his college, and work experiences. He explained the process of startups. He shared his experience and knowledge as a entrepreneur and electrical contractor. The session was very informative and interactive.

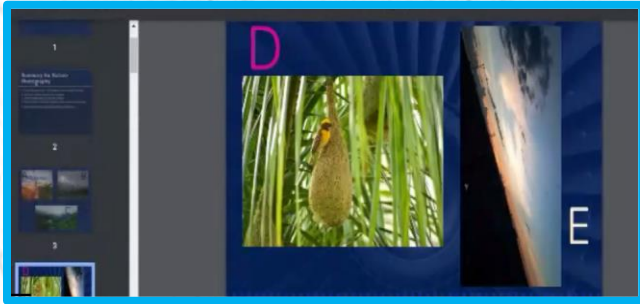
EVENT: Bollywood Jabrafan

A memorable event with drama, movies, songs and dialogues. Where the students and the faculties of the department had a great time . The participation was very active and beyond anticipation. Even though conducted in online mode, it was a great recreational and refreshing day.

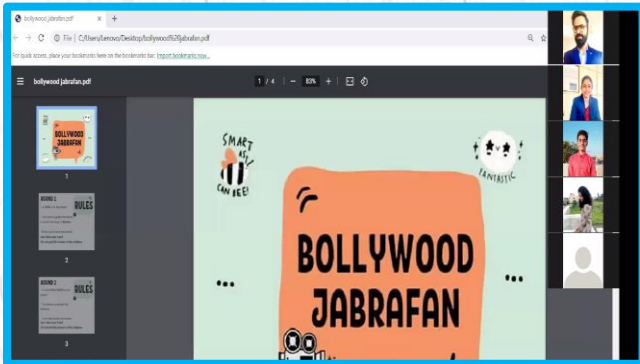
Events

Department of Electrical Engineering

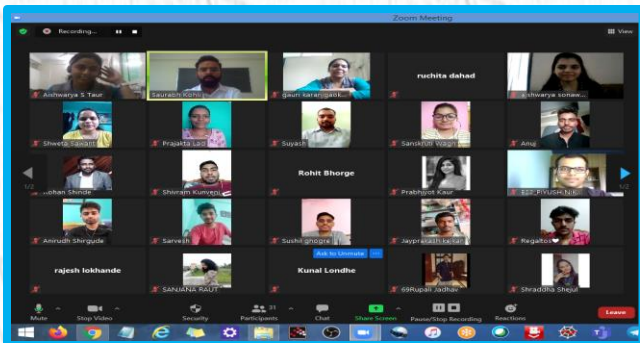
Tech Elektra 2k21 – Events Glimpses



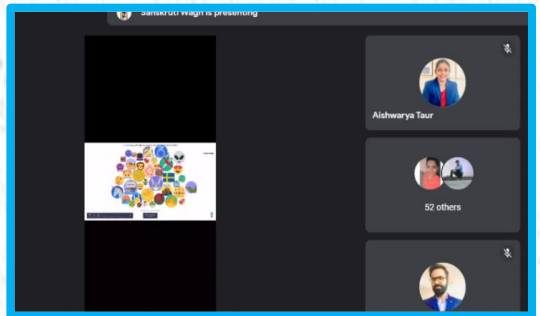
Glimpse of Mentimeter Fun Event



Glimpse of Memory Masters Event



Glimpse of Picturesque Event



Glimpse of Bollywood Jabrafan Event



Valedictory Group Picture

Event

Tech Elektra 2k21

DAY 4: 29th June 2021

Alumni Speaker: Mr. Hiten Patel

A question answer session where Mr. Hiten Patel shared his words of knowledge. Guided us, about pursuing jobs and opportunities work ethics, etc. He shared the difficulties he faced while entering the corporate world. He shared his experience of a startup. The students were surely motivated and enlightened after the session

EVENT: Memory masters

Techelektra 2k21 was wrapped up with an innovative event called memory masters. Where we all tested our memory and intellect. The event was followed by fun quizzes. The students and teachers participated enthusiastically. Lastly the session was ended with the declaration of event winners

Even though in online mode, Tech Elektra 2k21 was indeed a very memorable experience and much needed refreshment for the Department. Its participation and success was beyond expectations.

“Non-Destructive testing Techniques”

Name of Expert: **Dr. J. D. Rathod**, Associate Professor & Head of Applied Mechanics and Structural Engg. Department of The Maharaja Sayajirao University of Baroda, Vadodara

Date: 5th June 2021 ,

Timing: 11:30am to 1:00pm

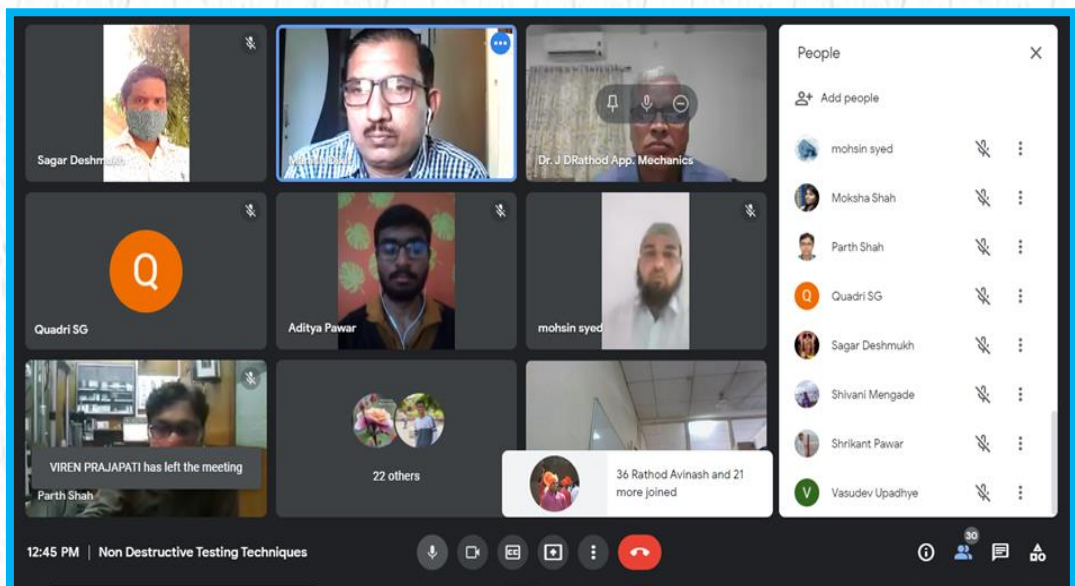
Participants : Third/Final Year students & Faculty of various institutes.

Number of participant: 70

Online Platform: Google Meet

Event Coordinator: 1)Dr.M.S.Dixit, 2) S.G.Quadri 3) S.N. Pawar 4) Y.D. Shermale

Description: Dr. Rathod explained basic fundamentals of each non destructive test viz. Rebound Hammer, UPV, Corrosion analyzer etc. He elaborated the proper techniques of testing as per Indian Standards. He also explained some advance techniques of testing. The every attendee were impressed and appreciated in the feedback of webinar.



“Awareness on NABL Accreditation”

Name of Expert: Dr. Pankaj Goyal (Deputy Director, NABL), Mr. Ranjith Kumar (Assistant Director, NABL), Mr. Venugopal (Technical Expert)

Date: 11th June 2021,

Timing: 11:30am to 2:00pm

Online Platform: Google Meet

Number of participant: 120

Participants : Faculties of various institutes.

Event Coordinator: 1) Dr. M.S. Dixit, 2) S.G. Quadri, 3) S.N. Pawar, 4) Y.D. Shermale

Description: The Inaugural address was given by Mr. Avijit Das – Director, NABL. Dr. N.G. Patil gave the opening remarks. Short sessions on the Topic ; ‘NABL Accreditation and its Importance’, ‘Accreditation Procedures for Laboratories’, ‘Testing of Materials in Civil Engineering Laboratories - Key technical challenges’, ‘Experience after Obtaining NABL accreditation’ were conducted by Dr. Pankaj Goyal (Deputy Director, NABL), Mr. Ranjith Kumar (Assistant Director, NABL), Mr. Venugopal (Technical Expert) and Dr. D.T. Bornare, (Dy. Director, MITCARS, Aurangabad) respectively.



NABL Accreditation and Its Importance

DR. PANKAJ GOYAL

Deputy Director

**National Accreditation Board for Testing and
Calibration Laboratories (NABL)**

“Importance of Geotechnical Investigations for Civil Engineering Constructions”

Name of Expert: Dr. Vinil Kumar Gade, Faculty of Civil Engineering Department, National Institute of Technology (NIT), Andra Pradesh

Date: 12th June 2021,

Timing: 11:30am to 1:00pm

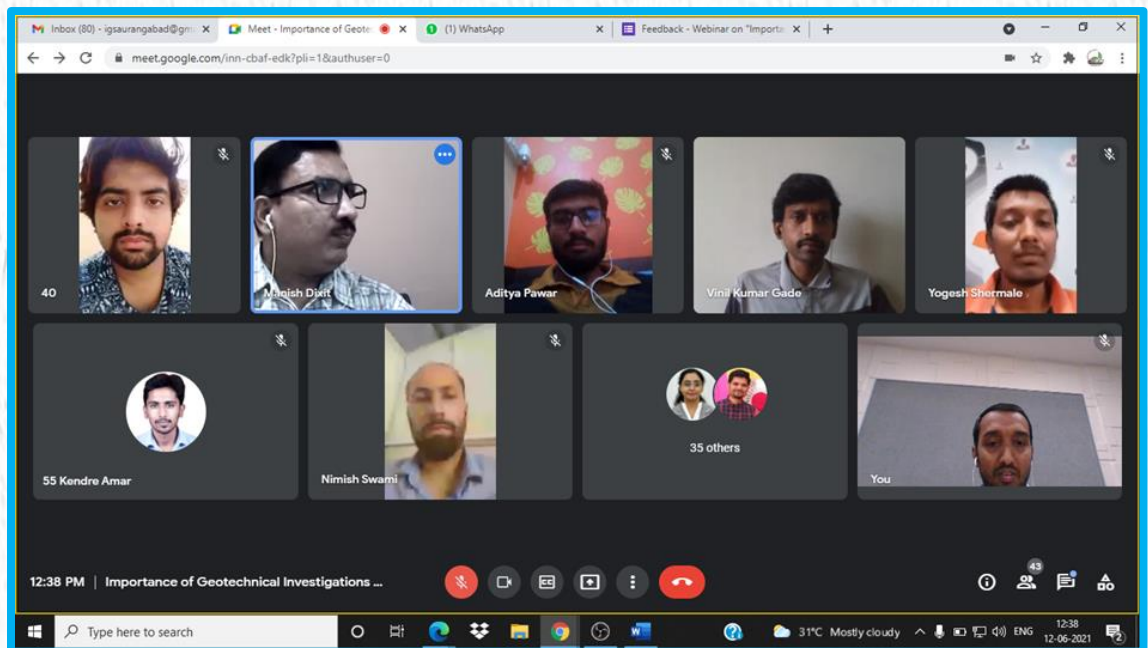
Online Platform: Google Meet

Number of participant: 75

Participants : Third/Final Year students & Faculty of various institutes.

Event Coordinator: 1) Dr. M. S. Dixit, 2) S. G. Quadri 3) S. N. Pawar 4) Y. D. Shermale

Description: Dr. Vinil Kumar Gade shown some structures failed due to improper and incomplete investigations of soil and foundation strata. He discussed importance of various test required for different types structures. He also discussed some test i.e. shear test on soil, plate load test.



Department of Civil Engineering

“Non-destructive Testing”

Name of Expert: Prof. V. R. Upadhye, Prof. A. P. Jaiswal, Prof. Fahad Syed, Prof. Y. D. Shermale, Faculty Members, Civil Engineering Department, Marathwada Institute of Technology, Aurangabad.

Date: 18th June 2021,

Timing: 11:30am to 4:00pm

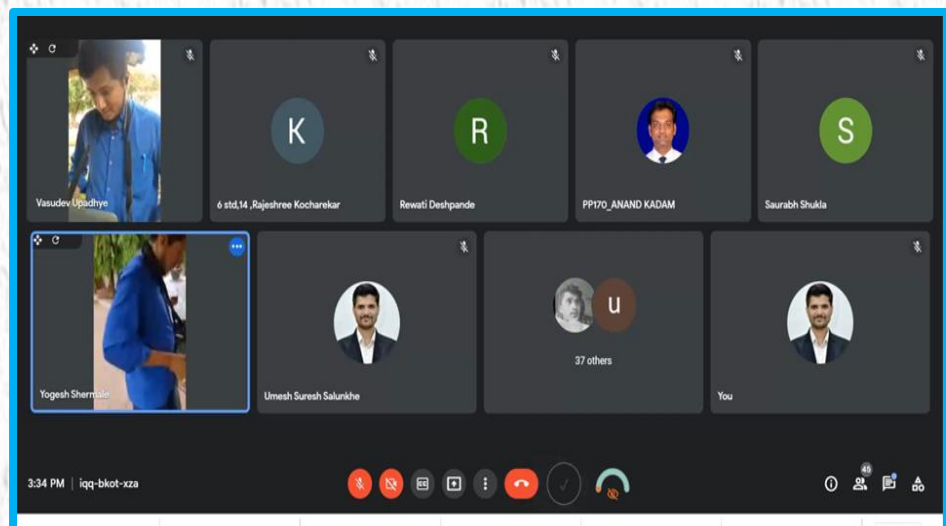
Online Platform: Google Meet

Number of participant: 50

Participants : Students of various degree and diploma colleges.

Event Coordinators: 1) Dr. M. S. Dixit , 2) U. S. Salunkhe.

Description: Prof. V. R. Upadhye and Prof. Fahad Ali explained the theory of different Non Destructive Testing in first phase of webinar. They also elaborated the site challenges associated with different NDT techniques. Live Demonstration of various Non-Destructive Testing techniques was conducted by Prof. Y.D. Shermale and Prof. Fahad Ali in second phase of webinar. They performed various test on specially cast samples and also clear the doubts of students. The polytechnic & undergraduate students were highly benefited by this webinar.



Department of Mechanical Engineering

Department of Mechanical Engineering, Marathwada Institute of Technology, Aurangabad organized and attended various webinars:

“ Innovation in Material Science: Role in Early Disease Diagnostics and Climate Change “

Organizer: Dr. S.S Joshi, Speaker : Dr. Sultan Halifa Haroon Al Rashid, Research fellow, RMIT, Australia.

Date: 12th June 2021 ; No of participants : **208**

Attended by : Dr. P. U. Zine, Dr. D.V. Nehete, Dr. S.S Joshi, Prof. A.V.Gadekar, Prof. Vishal Warule, Prof. Vinod Damdhar, Prof. N.V.Kalyankar, Prof. S.S.Waghmare, Prof. Naveed A. Shaikh, Prof. Ashok Dattu Bharati, Prof. S.V. Korke .

‘Skills for Network and Resume Building’

Organizer: Department of Electrical Engineering, Marathwada Institute of Technology. Aurangabad.

Date: 22nd June 2021

Attended by : Prof. N.V.Kalyankar.

ACS Publications Symposium: Innovation in Measurement Science (In Partnership with ACS Division of Analytical Chemistry)

Organizer: Virtual Event hosted and organized by the American Chemical Society (ACS)

Duration : 22 to 25 June 2021

Attended by : Dr. Shravanti Joshi

Department of Mechanical Engineering

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“ Innovation in Material Science: Role in Early Disease Diagnostics and Climate Change “

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Date: 22nd June 2021

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ACS Publications Symposium: Innovation in Measurement Science (In Partnership with ACS Division of Analytical Chemistry)

Organizer: Virtual Event hosted and organized by the American Chemical Society (ACS)

Duration : 22 to 25 June 2021

Attended by : Dr. Shravanti Joshi

Department of Basic Science and Humanities

Department of Basic Science and Humanities, Marathwada Institute of Technology, Aurangabad organized webinar on “Myths and Facts of Covid”. Dr. Abhay Jain (Consultant CIIGMA Hospital , Aurangabad) was the resource person for the webinar. Main aim of the webinar was to aware all about the myths and facts of Covid -19. No. of participants for the event were 117, webinar was organized online on Zoom platform between 2.30-3.30 PM on 26th June 2021.

Webinar Organized by DEPARTMENT OF BASIC SCIENCES AND HUMANITIES



Myths and Facts about Covid

Date
26.06.2021
Time
02:30 pm to
03:30 pm

ABOUT SPEAKER



Dr. Abhay Jain
MBBS, DCH, DNB

- Consultant, CIIGMA Hospital, Aurangabad

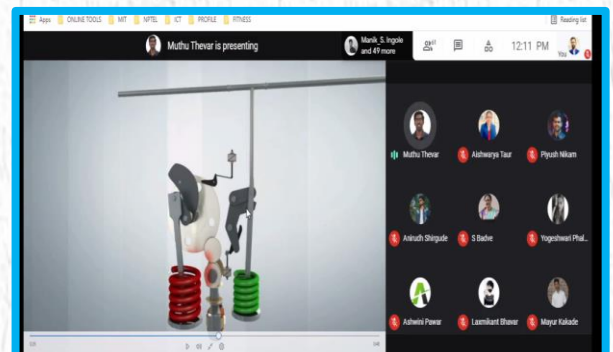
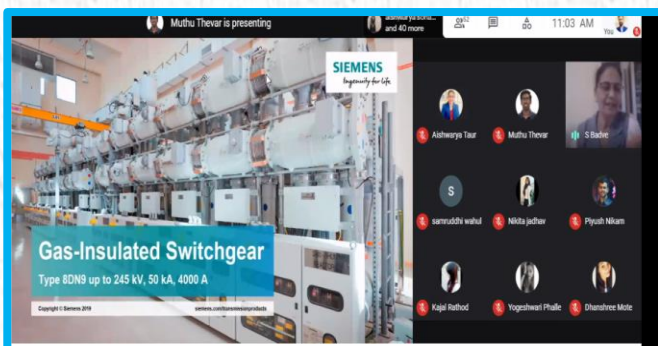
Department of Electrical Engineering

GIS-A Holistic Overview Of Layout, Operation And Commissioning

The Department of Electrical Engineering started its webinar series with this first webinar on 12 June 2021, Saturday in the presence of Dr.S.M Badave (HEED), speaker Mr. Isakki Muthu Thevar, Technical Sales Support Professional. Prof. S.S.Kohli and Prof. Ms.A.S.Taur (Coordinators), Faculties of EE department and participants.

The speaker Mr. Isakki Muthu Thevar had given information regarding Siemens Ltd. Aurangabd. Then the session headed to GIS. The various key factors such as parts of GIS, layout, advantages, Space ratio compared with AIS, Single line diagram, operation, commissioning were discussed.

The question and answer session was carried out by Prof.. S.S. Kohli. The participants had interacted with logical questions on GIS and hence an apt discussion happened.

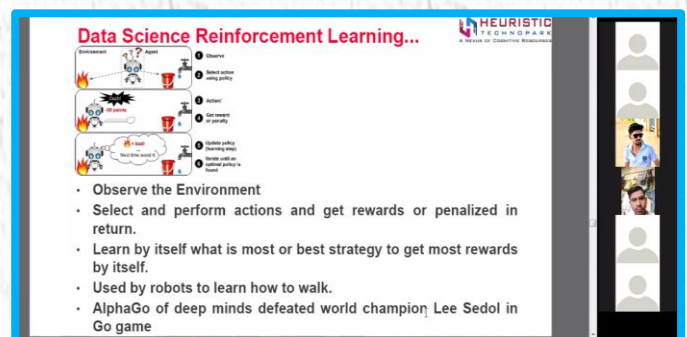
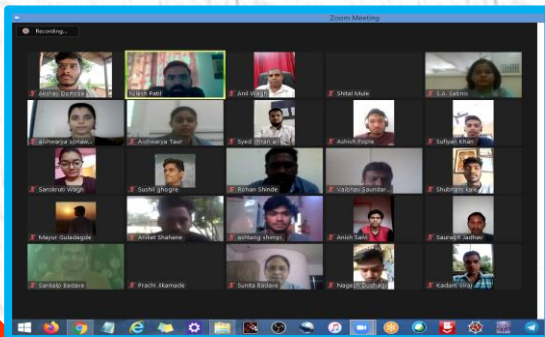


Python And Machine Learning – Scope, Future And Opportunities

The Department of Electrical Engineering organized this webinar on 15-06-2021 with an intention to spread awareness about the growing opportunities in Python and Machine Learning. The speaker of the program was Mr. Vikrant Husale, Director, Heuristic Techno park. The Webinar was conducted in the presence of Dr.S.M Badave (HEED), Prof. S.S.Kohli and Prof.S.A.Sabnis (Coordinators) Following were the highlights of the program which were discussed :

- Artificial Intelligence (AI), Machine Learning (ML) and Data Science (DS) are the pillars of the fourth industrial revolution. ML is an application of AI which allows computers to automatically learn from data without being explicitly programmed.
- Python has been designed with the provision for creating Machine Learning algorithms. Python is preferred as the best and robust platform for Machine Learning systems.
- Python also has numerous libraries for machine learning, data manipulation and analysis as well as a very active development community that continuously updates and creates new packages.

The webinar covered the basics of Artificial Intelligence, Machine learning and Python.

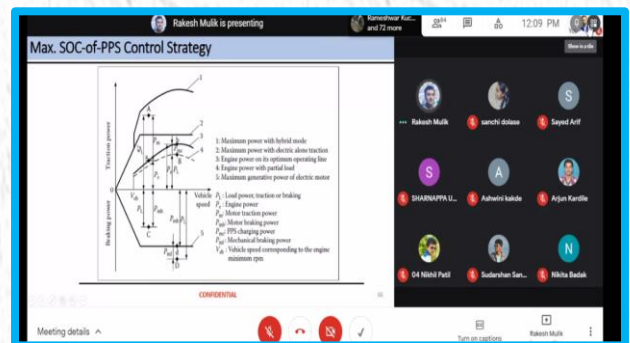
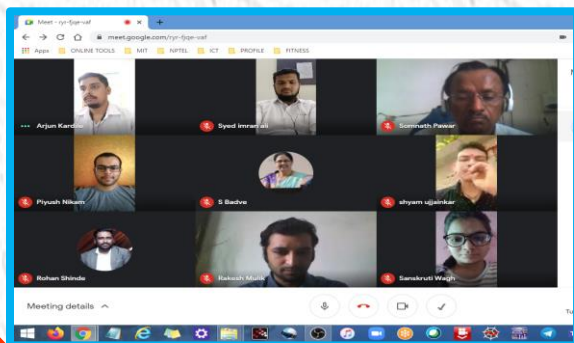


Recent Trends in Hybrid and Fuel Cell Electric Vehicles

The Department of Electrical Engineering organized this webinar on 18-06-2021. The speaker of the program was Mr. Rakesh Mulik, Deputy General Manager, ARAI, Pune. The Webinar was conducted in the presence of Dr. S. M. Badave (HEED), Prof. S. S. Kohli and Prof. A. H. Kardile (Coordinators). Following were the highlights of the program which were discussed :

- Need of Electrical Vehicles
- Different Types and Configurations of Electric Vehicles
- Hybrid Electric Vehicles: Configurations and Applications
- Transmission Configurations and Designs.
- Developing efficient Control Strategies for various configurations of HEVs
- NEDC Test for Vehicles
- Construction, Working and Types of Fuel Cells
- Structure of Hydrogen Storage System in FCEVs
- Limitations of Evs
- Government Initiatives like FAME-I, FAME-II for promoting EVs and Road Map till 2050.

The session was very interactive with many questions asked and reverted back with appropriate response from speaker.

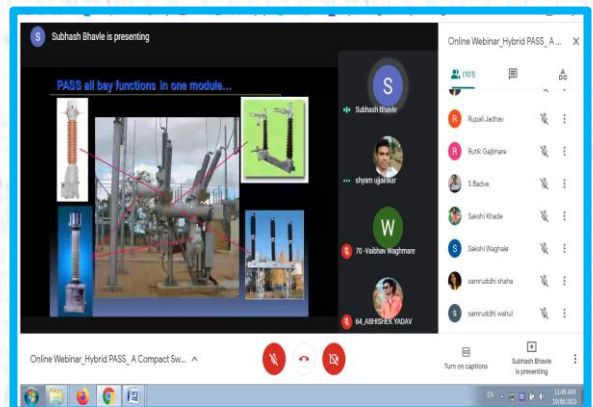
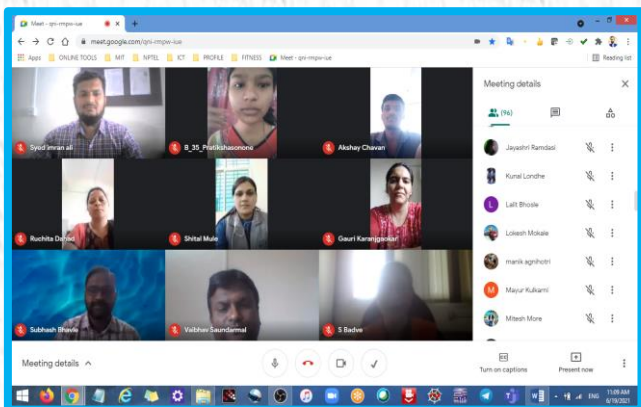


Department of Electrical Engineering

Hybrid PASS: A Compact Switchgear

The Department of Electrical Engineering organized this webinar on 19-06-2021. The speaker of the program was Mr. Subhash Bhavle, Dy. Executive Engineer, MSETCL, Aurangabad. The Webinar was conducted in the presence of Dr.S.M Badave (HEED), Prof. S.S.Kohli and Prof.S.I.Ali (Coordinators). The speaker had given basics of switchgear and Air Insulated Substation and Gas Insulated Substation. He discussed about the concept of Hybrid PASS switchgear. He explained various key factors such as parts of AIS, GIS and Hybrid PASS, layout, advantages, Space ratio of Hybrid PASS compared with AIS & GIS, Single line diagram, operation, commissioning. He had also shown some practical photographs videos regarding related to topic for better understanding.

The question and answer session was very healthy and interactive with many questions asked by the participants.



Department of Electrical Engineering

Starting and Excelling in your career by Network and Resume Building

The Department of Electrical Engineering organized this webinar on 22-06-2021. The speakers of the program were Mr. Sagar Salunkhe , Ex Project Manager -Siemens Ltd and Mr. Pushpak Teja, Product Manager –Truckbook. The Webinar was conducted in the presence of Dr.S.M Badave (HEED), Prof. S.S.Kohli and Prof.A.S.Taur (Coordinators) .

During this webinar Mr. Sagar Salunkhe (Speaker) had given information regarding his own experience of starting his journey of job in Siemens Ltd.Aurangabd. The session was interactive. Participants were asking questions in between. They took polls to get to know students perspective.

Mr. Pushpak Teja has a lot of experience in management hence he shared his views on the same. Later the speakers enlisted the network required to build through various platforms. They discussed how to get job opportunities through LinkedIn and lunch club.

Students actively participated in question and answer session. The session was very interactive with many questions asked and reverted back with appropriate response from speaker.



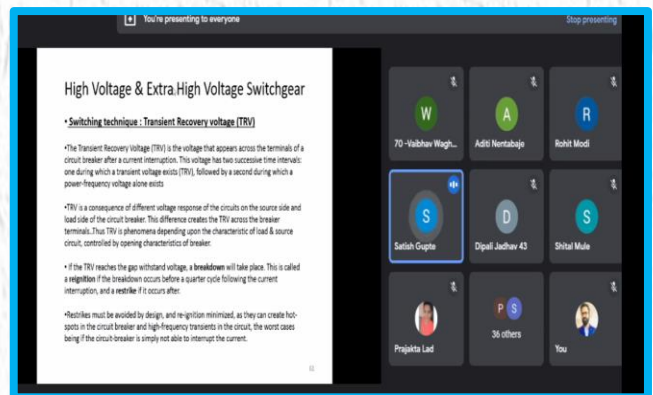
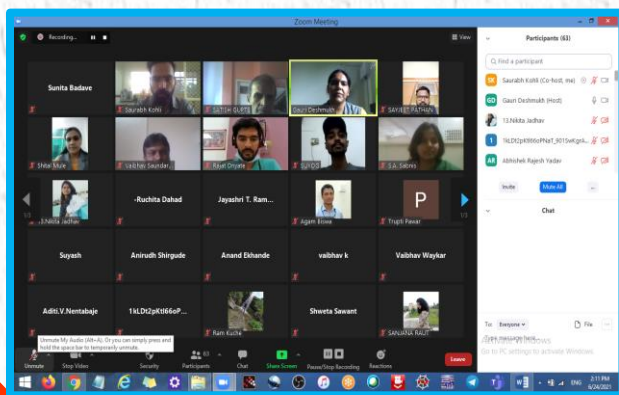
Department of Electrical Engineering

Switchgear and Protection – A practical Perspective

The Department of Electrical Engineering organized this webinar on 24-06-2021. The speaker of the program was Mr. Satish Gupte, Ex-Vice President, Siemens Ltd. The Webinar was conducted in the presence of Dr. S. M. Badave (HEED), Prof. S. S. Kohli and Prof. G. D. Karanjgaokar (Coordinators).

The speaker had over 40 years of vast experience in the field of Switchgears & Protections. Winner of 'World Award' from Siemens, for Design of Innovative Medium Voltage Switchboard. The practical significance of basic terminology used in protection & switchgears industry were explained by the speaker. Various technical aspects, specifications and testing requirements as per Indian and International Standards of Low Voltage Switchgear, Medium Voltage Switchgear and High Voltage Switchgear were elaborated to the students. The basics and importance of relay co-ordination were also discussed.

The session turned out to be very informative for all the participants.



Faculty Achievements

Department of Computer Application

Dr. Madhuri Joshi has received certificate of Completion of Red Hat System Administration II in June 2021



CERTIFICATE OF ATTENDANCE

Madhuri Joshi

NAME

Marathwada Institute of Technology

SCHOOL/UNIVERSITY

Red Hat System Administration I (RH124)

COURSE

June 9, 2021

DATE

A handwritten signature in black ink, appearing to read "Ken A".

KEN GOETZ

Vice president, Global Training Services at Red Hat



Red Hat
Training and
Certification

Success Story.....

Faculty Achievements

Department of Computer Application

Shubhashree Savant Head, Computer Applications Department has successfully completed SWAYAM-NPTEL Domain Certification in "Programming" and been recognized by NPTEL IIT Madras, as an "NPTEL Stars" - "NPTEL_DOMAIN_SCHOLARS". April 2021 in Computer Science and Engineering discipline.



Success Story.....

Department of Mechanical Engineering

Student Placement

Mr. **Sanket Jadhav** of B. Tech. Mechanical Engineering selected as **Graduate Engineer Trainee in BKT Tires Waluj Aurangabad with annual package of 3.6 LPA** the campus recruitment process was conducted on 16th and 17th june 2021.

FDP Attended

Outcome based Pedagogy for Effective Teaching and Learning in Engineering Education

Organizer: SKN Sinhgad College of Engineering, Pandharpur

Date: 14th June to 18th June 2021 Attended by : Prof. A. V. Gadekar

Recent Trends in Technology

Organizer: JSPM's & SBERCT's Bhagwant Institute of Technology, Barshi

Date: 7th June to 13th June 2021 Attended by : Prof. A. V. Gadekar

STTP Attended

Innovative & Inventive Problem Solving

Organizer: Production Engineering Department , AISSMS COE, Pune

Date: 22nd June to 27th June 2021 Attended by : Prof. N.V.Kalyankar

Creative Buzz



Expressions.....

शाम के ढलते सूरज की छांव में,
कभी रात के साये-सी घुल जाओ..
अनगिनत जिम्मेदारियों के बोझ तले,
अब खुदको ना छुपाओ..!!

समझदारी की सुर्खी से, इन होठों को
सजाओ,
परेशानियों को झुमके से, कानों तले
दबाओ..
छोड़ दो अब दूनिया को समझना,
वक्त मिले अगर तो खुद से भी मिल
आओ..!!

क्यों न छोड़ के सारी रंजिशे रुक
जाओ,
कह न सकी जो वो अब कह जाओ...
चलो ख्वाबों को दोबारा दोहराओ,
जाना चाहती थी कभी, क्यों न वहा हो
आओ..!!

थाम लो काजल और चलो निगाहें
सजाओ,
आंखों में दिखता था कभी वो नूर ले
आओ..
कुछ इस तरह रूप चमकाओ,
लबो से ही नहीं, रूह से भी
मुस्कुराओ..!!

जितना खूबियों से जताती हो,
खामियों से भी उतना ही प्यार
जताओ..
बन चुकी सब कुछ,
अब बस खुद बन जाओ..!!

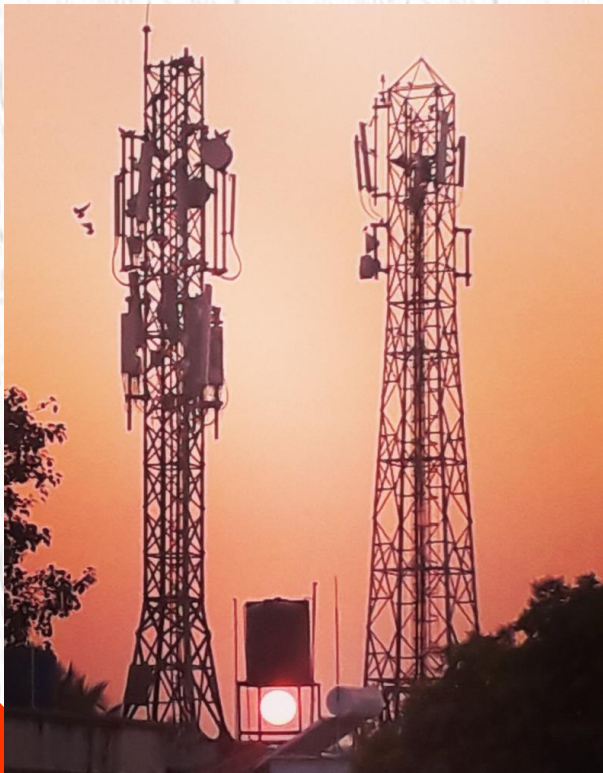
- प्रशंसा जैस्वाल



Through the Lens.....

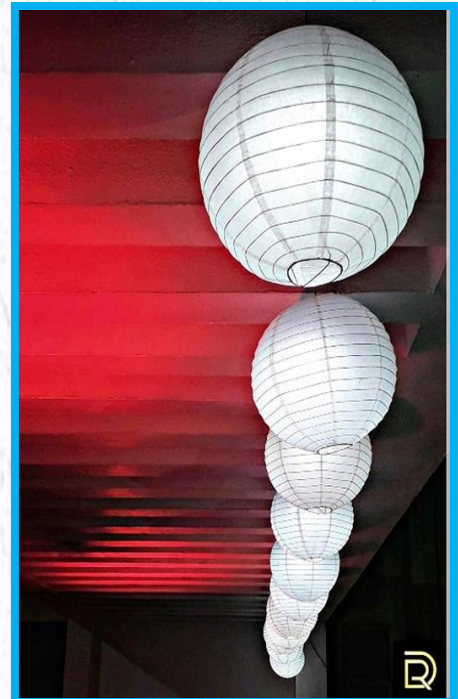
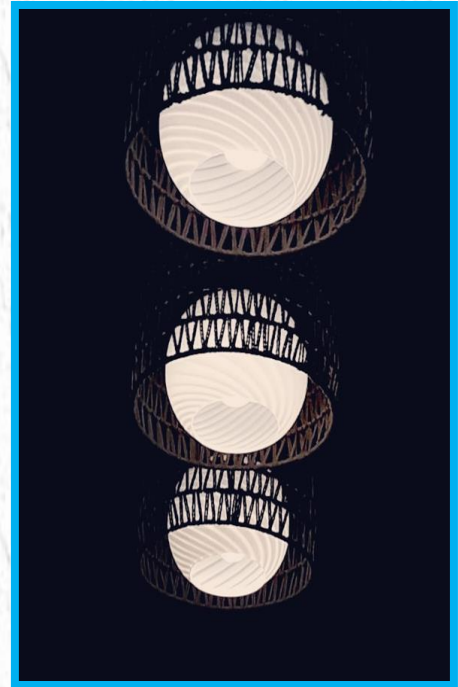
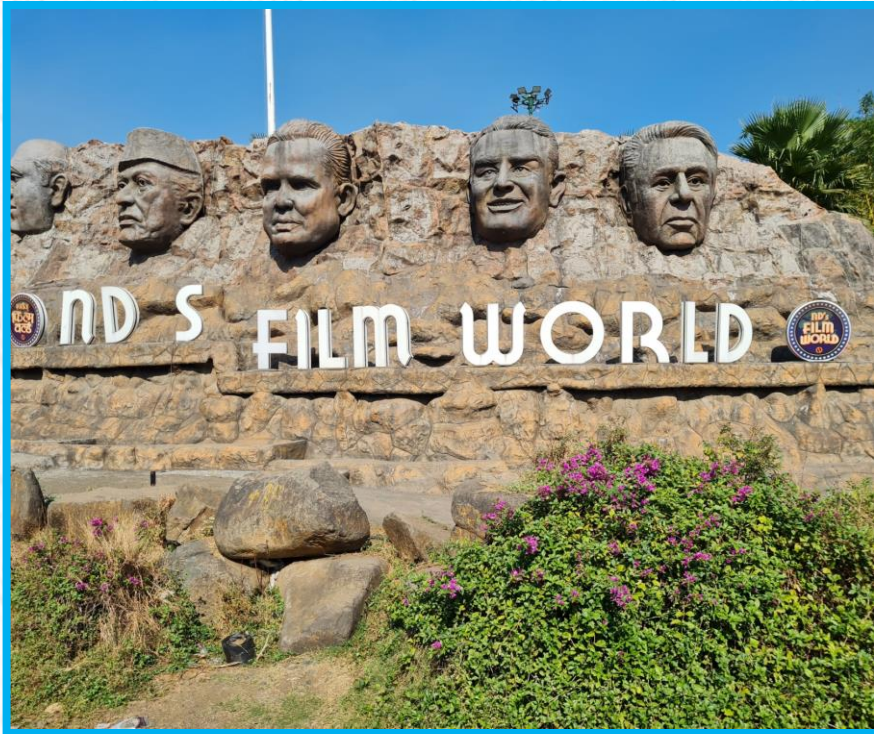


Through the Lens.....



Rishabh Deora-Third. Yr.B.Arch

Through the Lens.....



Rishabh Deora-Third. Yr.B.Arch

Through the Lens.....



Atharva Gaopande, FYBVOC

Atharva Gaopande-F. Y.B.Voc

Through the Lens.....



Rutuja Sarode , TY, EE

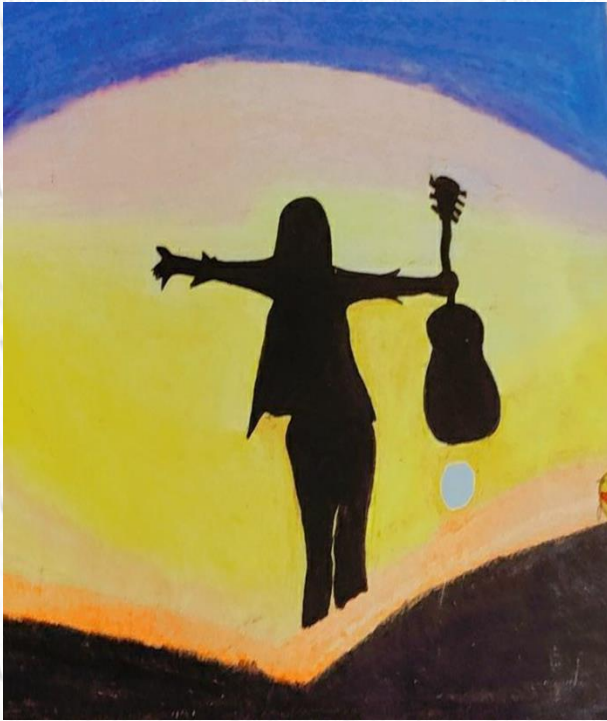


Madhav Anantawad , TY, EE

Sketchplosion.....



Art Works.....



Arti Rathod FYMCA



Sushil Dongre, SYBVOC



Tanmayee Khutale FYMCA

Art Works.....



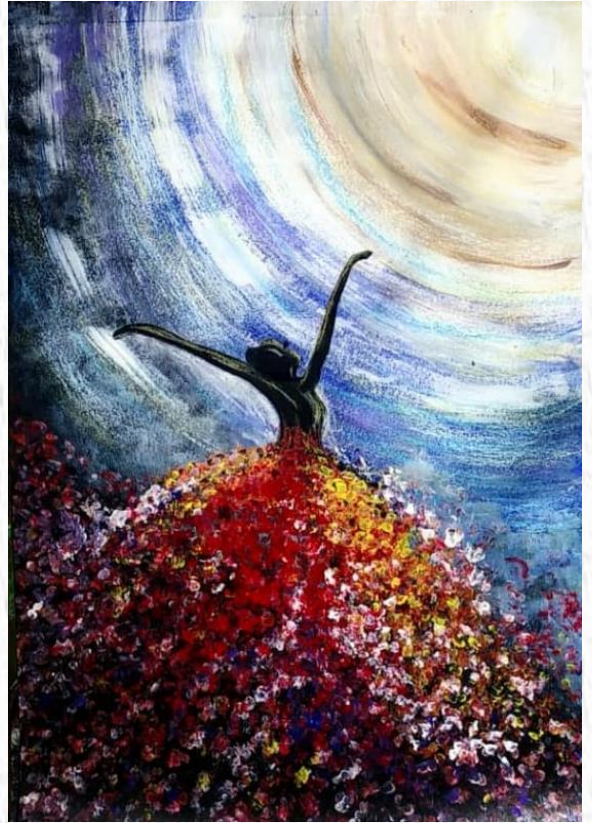
Shivram Kunveni, SY, EE



Prabhjyot Kaur, TY, EE

Arti Rathod --FYMCA

Art Works.....



Amruta Vetal-Fourth. Yr.B.Arch

Life @ MIT.....



The Candid Moments.....

Life @ MIT.....



The Candid Moments.....



MIT
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Aurangabad-431010,
Maharashtra State, INDIA
Telephone: +91 - 240 - 2375375
Fax: +91 - 240 - 2375275, 2376154
Email: info@mit.asia
Website: <https://engg.mit.asia>