

# World of MECHAZINE

## MECHANICAL ENGINEERING

Learning from home

AY: 2020-21 Sem-I

# Message by Head of Department



Dr. Sham H. Mankar ( Associate Professor)

It gives me great pleasure to give my best wishes to Magazine, a newsletter from Department of Mechanical Engineering of Pimpri Chinchwad College of Engineering and Research, Ravet, Pune.

The Department of Mechanical Engineering has modern and well-equipped laboratories for hands on practical training to students. All the faculty members are duly qualified and experienced. We are committed to the pursuit of excellence. It is our goal to address the varying needs of our young students academically, socially, emotionally and by doing so, provide the highest quality educational experience to all.

As PCCOE&R believes in student centric four-pillar philosophy which includes academic excellence, research and innovations, training and placement, ethics and values. The students and faculties of department are always proactive in taking initiatives in technical, cultural and social events. We provide opportunities for students to participate in various technical and sports events /competitions.

This newsletter is an attempt to highlight the achievements of the department. I wish good luck to the entire team of editors. I hope that this newsletter will serve the purpose of reflecting all activities of department and it will inspire others to do their best.

Magazine coordinator



Prof. Tejal Patil

Magazine editor



Mr. shreyansh jagtap



# Vision of Department

To be a Premier Department of Mechanical Engineering and research to serve the needs of the society and all the stakeholders.

M1. To provide state of art facilities to impart quality education.

M2. To undertake various value added and add on courses to make students technically sound and thorough professionals.

M3. To collaborate with the industries and academia and strive to instill the research and innovative aptitude in the students and faculties.

M4. To inculcate high moral, ethical values and national pride in students and faculties.

# Mission of Department

∅ To provide state of art facilities to impart quality education.

∅ To undertake various value added and add on courses to make students technically sound and thorough professionals.

∅ To collaborate with the industries and academia and strive to transform the research and innovative aptitude in the students and faculties.

∅ To inculcate high moral, ethical values and national pride in students and faculties

# Program Educational Objectives (PEOs) of Department

PEO-1: o develop the students sound in academic fundamentals to understand, analyze and solve problems related to Mechanical Engineering.

▼ PEO-2: To build up student's ability to enhance their competence in research and innovation to design product and process.

PEO-3: To enhance employability of students to meet the employers requirements at large and prepare them towards quality higher education.

PEO-4: To create awareness amid the students about professional ethics, managerial skills, social commitment and lifelong learning.

## Program Specific Outcomes (PSOs) of Department

- Develop the knowledge and skills relevant to the field of Robotics and Automation by undergoing hands-on training.

▼ - Execute new ideas on product design and development with the help of modern Computer aided tools and other modern and emerging technology in the field of Mechanical Engineering



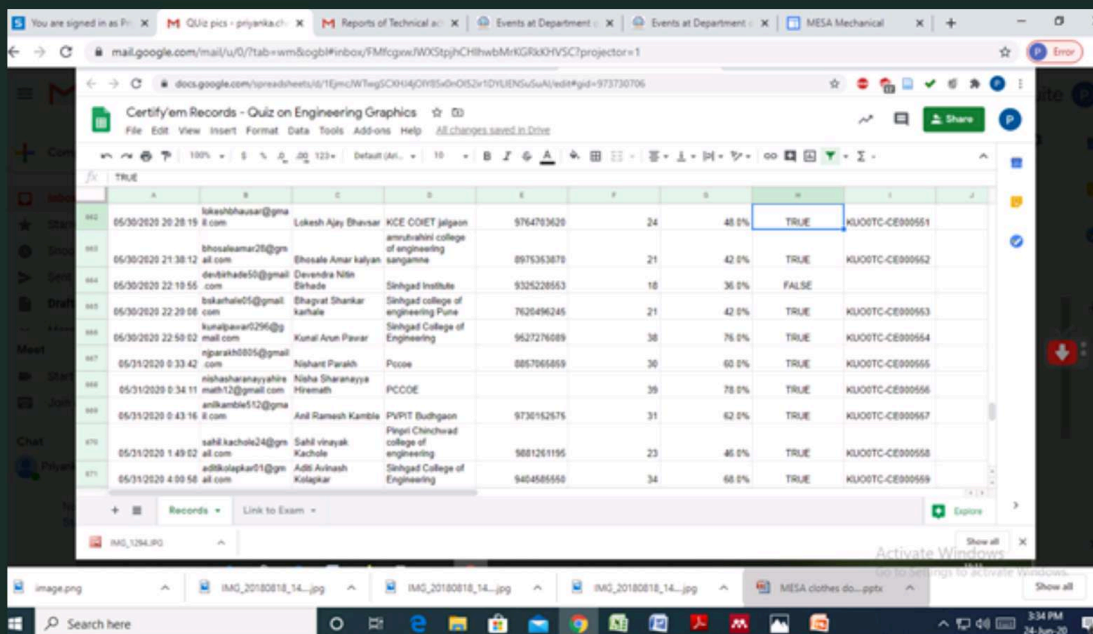
# Topic: Building your networkEvent- Online Quiz Aptitude And GK-(An intercollegiate Event)

Online Quiz on Aptitude and GK was organised under MESA during 10-15 June-2020 with 300 participants.

Co-ordinator: Prof. Priyanka Chavan

Objective: To understand an individual's ability to successfully perform particular tasks.

\*E-Certificate was awarded to the candidates who score above 60% marks.\*



Row	Date	Time	Email	Name	Institute	Roll No.	Score	Percentage	Result	Exam ID
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## Event -Webinar on BE+MBA

Date of Event-14/08/2020

Participant- All department Interested students

(Common Event for all Department, conducted by Dhamale Ma'am)

# FDP on “Emerging Trends in Refrigeration & Air Conditioning”,

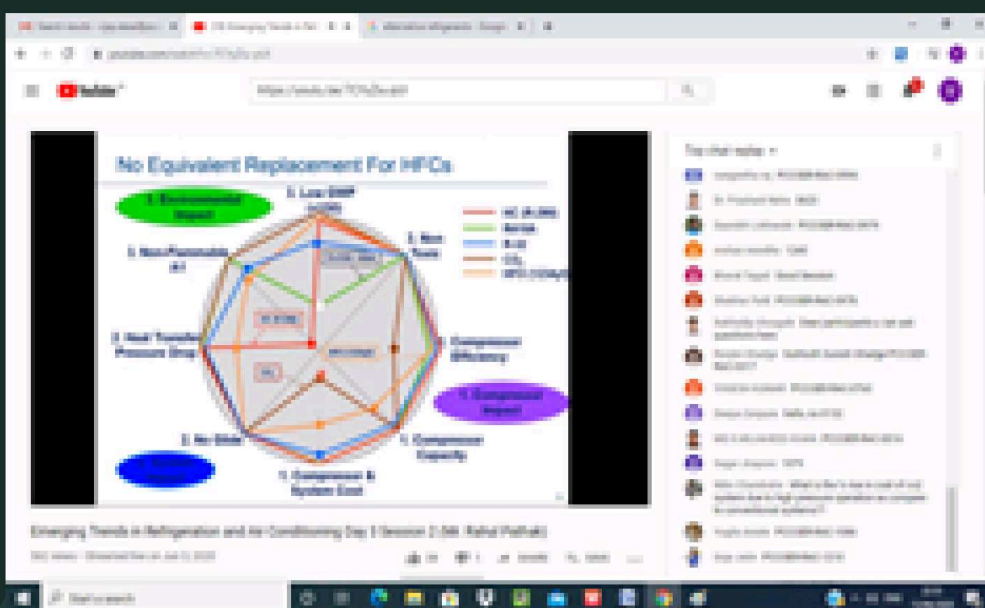
This one week online Faculty Development Programme (FDP) on “Emerging Trends in Refrigeration & Air Conditioning”, is conducted by Department of Mechanical Engineering of Pimpri Chinchwad College of Engineering & Research, Ravet in association with ISHRAE Pune Chapter and The Institution of Engineers (India) Pune Local Centre.

Date : 01 st June to 06 th June 2020

## COURSE OBJECTIVE

1. To disseminate the knowledge to researchers (Faculties, Students and Industrial Professionals) are working in area of Refrigeration & Air Conditioning
2. To bridge the gap between academia & Industry.
3. To explore industrial practices in the field of refrigeration.

This workshop is to bring industry and academia in common platform and to expand academic horizons in industry practices.



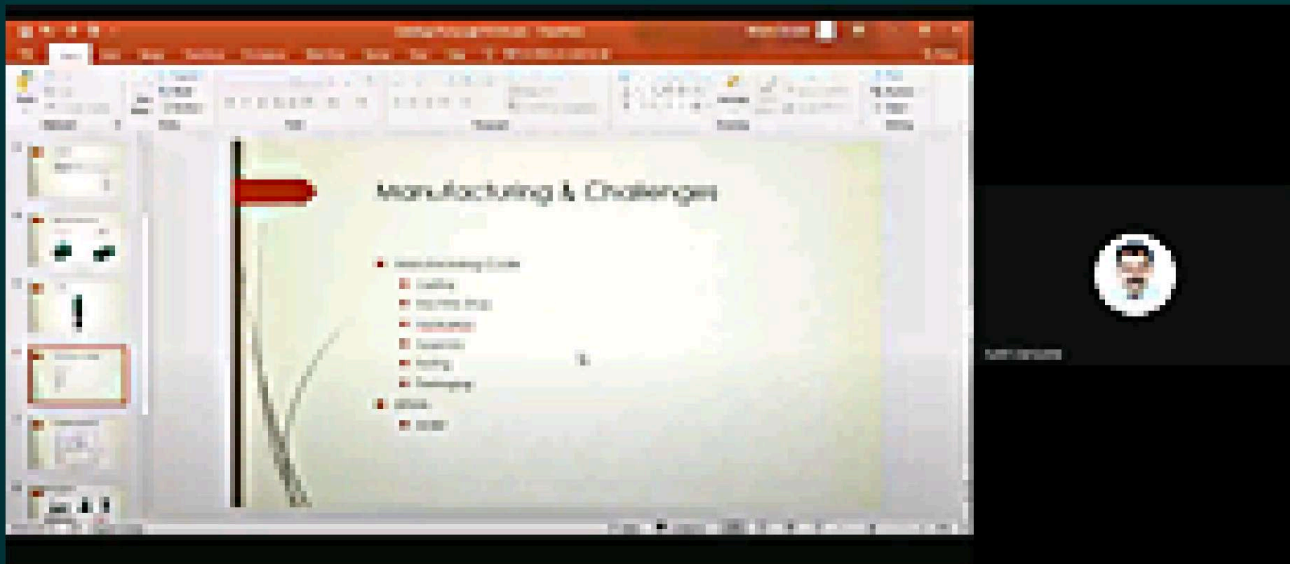
Mr. Rahul Pathak (Expert) speaking on “New Refrigerants and Latest Scroll Compressor Technology”

# Webinar on Vertical Centrifugal Pump

Webinar on Vertical Centrifugal Pump for TE  
Mechanical students on 6th Dec, 2020.

Resource person: Mr. Sunil Zanzane (Senior Manager,  
Mather Platt Pumps Ltd., Pune)

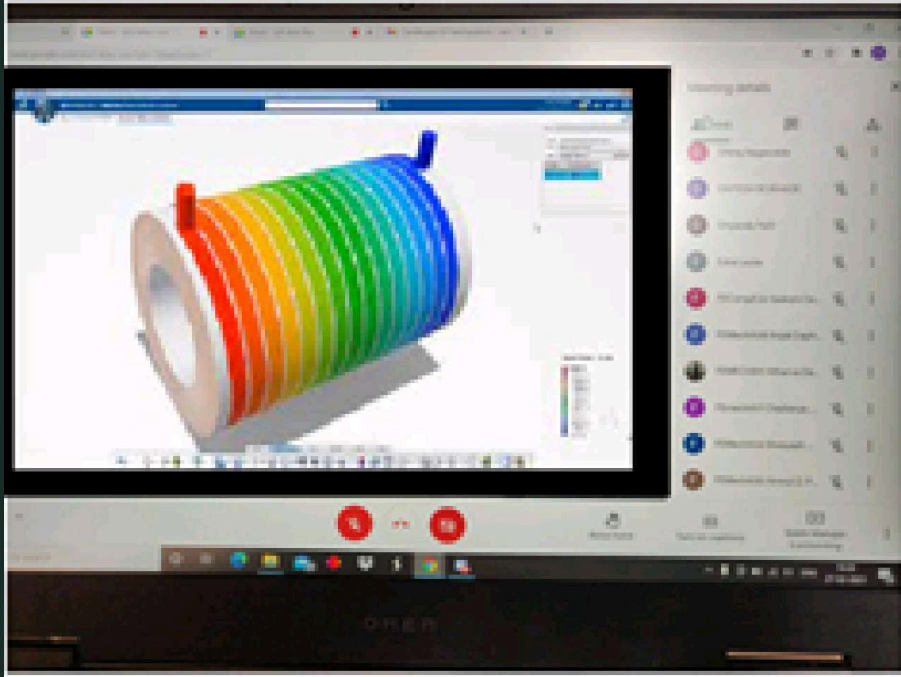
Co-ordinator: Prof.. A. D. Khare and Prof. Tejal Patil



Online session by Mr. Sunil Zanzane (Expert)



# Webinar on Computational Fluid Dynamics



## EXPERT DELIVERING THE SESSION

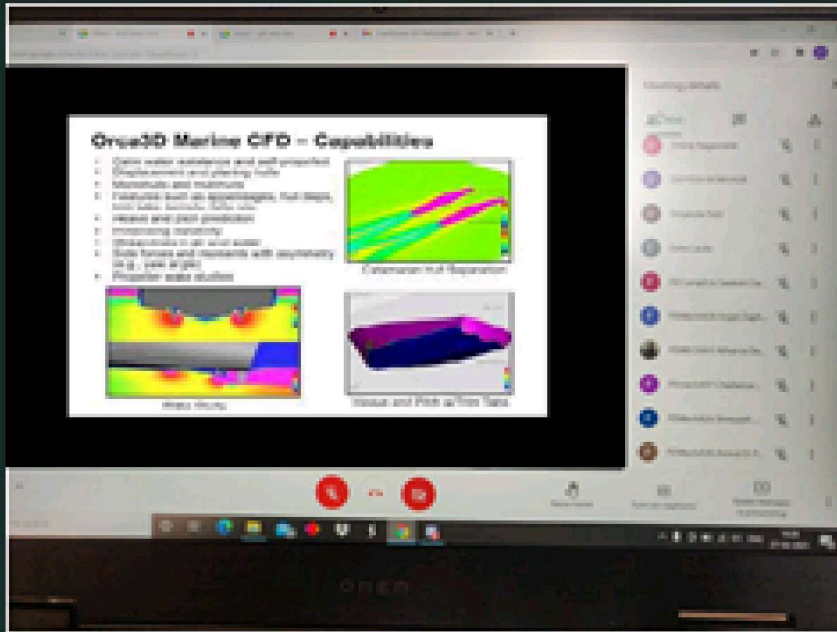
Webinar on Computational Fluid Dynamics (Elective Subject) (25 Hours) was conducted for BE Mechanical students during 11/12/2020 To 31/12/2020.

Resource Person: Dr. C.M. Sewatkar (Associate Professor, Govt. College of Engg. and Research, Avsari)

Co-ordinator: Prof. Aniket Deshmukh



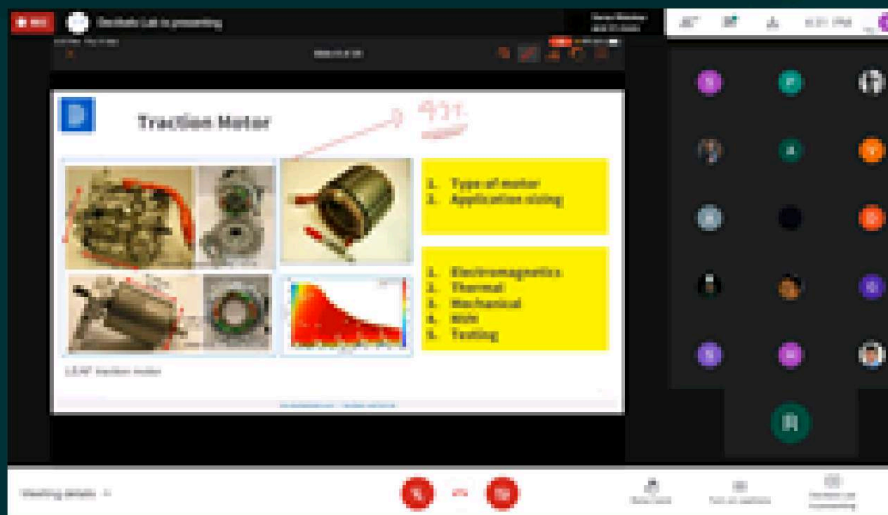
# Webinar on CFD an introduction for beginners



## EXPERT SPEAKING ON CFD

Webinar on CFD an introduction for beginners was conducted on 23rd Nov, 2020  
Resource Person: Prof. Nagesh Patil Assistant Professor, IIT Bhilai  
Co-ordinator: Prof. Aniket Deshmukh

# Three Days Workshop on Electrical Vehicle



Three Days Workshop on Electrical Vehicle was organised for SE students during 29th Oct, 2020 to 31st Oct, 2020

Resource Person: Mr. Omkar Harish (Associate Manager, Ather Energy, Bangalore India)

Co-ordinator: Prof. Amita Mane





Let the festivities begin!