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# MECHAZINE

Bi Annual Bulletin of  
Department of Mechanical Engineering



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(Assistant Professor, Mechanical Engg. Dept.)

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Hope Foundation's  
**Finolex Academy of Management and Technology, Ratnagiri**  
(Approved by AICTE, Recognized by DTE, Affiliated to University of Mumbai)


# Team Mechanical

## Faculty Members

- Dr. Kaushal K. Prasad (Principal)
- Dr. Milind S. Kirkire (Dean, Academics and HoD)
- Dr. Shashikant S. Goilkar (Dean, R & D)
- Dr. Milind S. Yadav (Associate Professor)
- Mr. V. MuraliMohan (Associate Professor)
- Mr. Vikram S. Chougule (Associate Professor)
- Mr. Sachin S. Mestry (Assistant Professor)
- Mr. Vidyasheel S. Bagade (Assistant Professor)
- Mrs. Gayatri J. Abhyankar (Assistant Professor)
- Mrs. Abhilasha S. Jadhav (Assistant Professor)
- Mr. Sumit S. Malusare (Assistant Professor)
- Mr. Harshal R. Salvi (Assistant Professor)
- Mr. Hemant V. Chavan (Assistant Professor)
- Mr. Amar S. Yekane (Assistant Professor)
- Mr. Jayesh S. Anavkar (Assistant Professor)
- Mr. Mahadev L. Naik (Assistant Professor)
- Mr. Shodhan U. Mayekar (Assistant Professor)
- Mr. Vikram V. Nagale (Assistant Professor)
- Mr. Sachin S. Gurav (Assistant Professor)
- Mr. Prabodh B. Horambe (Assistant Professor)
- Mr. Tushar V. Kavatkar (Assistant Professor)
- Mr. Sagar N. Sakharkar (Assistant Professor)
- Mr. Dayanand G. Potdar (Assistant Professor)
- Mr. Pranav P. Thakur (Assistant Professor)
- Mr. Rushikesh M. Rasal (Assistant Professor)
- Mr. Abhijit M. Date (Assistant Professor)
- Mr. Pratik R. Kamble (Assistant Professor)
- Mr. Malhar Malushte (Assistant Professor)

## Staff Members

- Mr. R. V. Utekar
- Mr. L. G. Patil
- Mr. A. V. Nhivekar
- Mr. R. R. Bhosale
- Mr. A. A. Lingayat
- Mr. V. V. Lohar
- Mr. D. Y. Mestry



*One child, one  
teacher, one  
book, one pen  
can change the  
world.*

*Malala Yousafzai*

# Contents

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# VISION

- To become a centre of quality education by developing competent engineers who can address challenges in the field of mechanical engineering.



# MISSION

- To establish state of the art facilities in department enabling effective training of students and creating research environment
- Evolve competent technical professionals through effective delivery of curriculum and contents beyond, which fulfil the needs of industry and society
- To inculcate sense of social responsibility and human values amongst the students



# PROGRAM SPECIFIC OUTCOMES

- Students will be able to investigate problems in the fields of design, thermal and manufacturing processes through application of statistical techniques.
- Students will be able to provide computer-based solutions to Mechanical and allied industries.



# PROGRAM EDUCATIONAL OBJECTIVES

- To prepare the stakeholder to exhibit leadership qualities with demonstrable attributes in lifelong learning to contribute to the societal needs.
- To make ready the stake holder to pursue higher education for professional development
- To help the stakeholder to acquire the analytical and technical skills, knowledge, analytical ability attitude and behavior through the program
- To prepare the stakeholders with a sound foundation in the mathematical, scientific and engineering fundamentals
- To motivate the learner in the art of self-learning and to use modern tools for solving real life problems and also inculcate a professional and ethical attitude and good leadership qualities
- To prepare the stakeholder to be able to design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.



# Programs Organized by Department

## A Seminar on Solar Installation, Commissioning & Current Government Policies

The department of Mechanical Engineering organized a seminar on 'Solar Installation, Commissioning & Current Government Policies' under the guidance of Dr. M. S. Kirkire (Dean Academics and Head of Mechanical Engineering Department.) on 23<sup>rd</sup> January 2020 for BE Mechanical Engineering students. A total of 66 students attended the seminar.

The seminar began with an introductory speech by Prof. R. M. Rasal (Assistant Professor, Mechanical Engg. Dept.). Dr. M. S. Kirkire felicitated Mr. Rhishikesh S. Kondekar (Proprietor-Saurmandal Solar), the resource person for the seminar. Mr. Rhishikesh Kondekar enlightened the students about the importance of renewable energy sources. He also guided students regarding the installation of a solar power plant, its components, power calculations for choosing the solar inverter, agreement to be made with the MSEB, and on-grid, off-grid & hybrid solar systems.

Prof. R. M. Rasal, Prof. V. S. Bagade, Prof. S. U. Mayekar and Prof. S. S. Malusare (Faculty in Mechanical Engineering) coordinated the seminar successfully.



## A career guidance seminar on Piping Design Engineering and Construction

The Department of Mechanical Engineering of Finolex Academy of Management and Technology, Ratnagiri conducted a career guidance seminar on "Piping Design Engineering and Construction" on 5<sup>th</sup> February, 2020 for the students of final year Mechanical Engineering. It was delivered by Mr. Ravi Jorigal who is working as a Manager, Business Development, Asian Academy of Professional Training, Pune.

The function began with the welcome and introduction of Mr. Ravi Jorigal by Prof. M. L. Naik. Mr. Ravi Jorigal guided the students about the importance of Piping Engineering in the various fields of Engineering and also shared information about different training programs after the graduation. A total of 30 students from B.E. Mechanical attended the seminar.

The seminar was organized under the guidance of Dr. M. S. Kirkire, HoD Mechanical. Prof. M. L. Naik, Prof. P. B. Horambe and Prof. P. R. Kamble coordinated the seminar successfully.



**Mr. Ravi Jorigal addressing the audience**

## A career guidance seminar on "Career Opportunities in Marine Engineering"

The Department of Mechanical Engineering of Finolex Academy of Management and Technology, Ratnagiri, conducted a career guidance seminar on "Career Opportunities in Marine Engineering" on 10<sup>th</sup> February, 2020 for the students of final year Mechanical Engineering. It was delivered by Mr. Shoaib Mhaskar who is working as a Second Engineer at Valles Steamships. The programme began with the welcome and introduction of Mr. Shoaib Mhaskar by Prof. M. L. Naik. Mr. Shoaib Mhaskar inspired the students to enter in a field of Marine Engineering with his in depth guidance and live experiences. A total of 46 students of B.E. Mechanical attended the seminar.

The program was organized under the guidance of Dr. M. S. Kirkire, HoD Mechanical. Prof. P. P. Thakur, Prof. M. L. Naik, Prof. P. B. Horambe and Prof. P. R. Kamble coordinated the seminar successfully.



**Mr. Shoaib Mhaskar addressing the audience**

# Programs Organized by Department

## MECHOTSAV & AUTOTECH 2k20

MECHOTSAV 2K20 was organized at Finolex Academy of Management & Technology on 27<sup>th</sup> & 28<sup>th</sup> February 2020 by Mechanical Engineering Students Association [MESA]. Honorable Principal Dr. Kaushal Prasad inaugurated the event.

MESA administrated the techfest under the guidance of Dr. Milind S. Kirkire, Head Mechanical Engineering Department, Prof. Tushar V. Kavatkar, MESA Faculty In-charge, and Prof. R. M. Rasal, Assistant MESA Faculty In charge. MESA Head Mr. Vikrant Patwardhan, Ms. Swati Chavan, Ladies Representative, Assistant MESA Head Mr. Shriyog Gimhavanekar, Event Management Head Mr. Saurav Sawantdesai, Finance Head Mr. Suhail Dhamaskar, AUTOTECH Head Mr. Pranay Bullu and other student's coordinators worked hard and made the event a grand success.



**Dr. Kaushal Prasad (Principal), Dr. Milind S. Kirkire (HOD Mechanical Engineering), Prof. Tushar Kavatkar (MESA Faculty Advisor) during Inauguration of MECHOTSAV 2K20**

## A Webinar Series on Psychrometry and Cooling Load Estimation

IISHRAE Thane Chapter organized a webinar series on Psychrometry and Cooling Load Estimation in the five technical sessions for Third Year Mechanical Engineering students from 10<sup>th</sup> to 12<sup>th</sup> April 2020. These topics are part of the syllabus of Refrigeration and Airconditioning.

Mr. Amit Deshmukh, Group Director, Buro Happold Engineering, Mumbai was invited as a resource person for the webinar series. The program was conducted on the Zoom Video Platform by Prof.

## One Week Online Faculty Development Program on Exploring the Dimensions of Innovation, Incubation and Emerging Technologies to Embrace the Post COVID Changes

The Department of Mechanical Engineering, Finolex Academy of Management and Technology, Ratnagiri, organized a one-week online Faculty Development Program (FDP) on 'Exploring the Dimensions of Innovation, Incubation and Emerging Technologies to embrace post-COVID Changes' from 8<sup>th</sup> June 2020 to 12<sup>th</sup> June 2020, the program was inaugurated. Dr. Milind S. Kirkire welcomed the speakers and the participants which was followed by the invocation of God. Ms. Aruna M. Katara, President, Hope Foundation and Research Centre, Pune, graced the inaugural program and addressed the participants. Dr. S. K. Ukarande (Associate Dean, Faculty of Science and Technology, University of Mumbai and Principal, K. J. Somaiya Institute of Engineering & Technology, Mumbai) delivered the keynote address. Dr. Kaushal Prasad congratulated the organizing team for the initiative.

The online FDP was organized and convened by Dr. Milind S. Kirkire, Dean Academics and Head of Mechanical Engineering Department along with Dr. Milind S. Yadav, Associate

Professor, and coordinated by Prof. Mahadev Naik, and Prof. Amar Yekane Assistant Professors, Mechanical Engineering Department, with the guidance of Dr. Kaushal Prasad, Principal, FAMT.



**Mrs. Aruna M Katara, Dr. Kaushal Prasad, Dr. S K Ukarande, Mr. Gaurish Borkar, Dr. Milind Kirkire Mr. Ravi Jorigal & Mr. Siddhesh Keluskar addressing the**



# Professional Student's chapter activities

## ISHRAE Members attended 13<sup>th</sup> National Program Confluence, Ahmedabad

ISHRAE Ahmedabad Chapter and ASHRAE Western India Chapter jointly organized 13<sup>th</sup> National Program Confluence with a theme of Indoor Air Quality at Pandit Deendayal Upadhyay Auditorium, Ahmedabad on 17<sup>th</sup> and 18<sup>th</sup> January 2020.

The Confluence was the biggest international program ever on Indoor Air Quality. The 13<sup>th</sup> Confluence was about all the aspects of indoor and outdoor air quality management where national and internationally renowned speakers addressed the participants. A total of 06 FAMT ISHRAE student members attended the two days program.



ISHRAE student members from left Mr.Nilkanth Prabhumatkari, Tejas Tupe, Parth Makadia, Aniket Gidye, Hitendra Patil, Varad Vichare

## ACRESERVE 201920 for HVAC and R Professionals

FAMT ISHRAE Student Chapter members participated in a program ACRESERVE 201920 for HVAC and R Professionals organized by ISHRAE Goa Chapter as a part of Student Chapter Activity at Sanskruti Bhavan, Panaji, Goa, on 24<sup>th</sup> January 2020.

The program was useful for third-year Mechanical Engineering students as it covered a few syllabus topics in the subject of RAC and helped the final year students to gain practical knowledge and certification which carries weightage for ISHRAE Job Junction in June 2020



## STEM K12 Activity - Science Mela

Mechanical Engineering participated in Science Mela. It was organized by ISHRAE Thane Chapter in association with Rotary Club, Thane on 25<sup>th</sup> January 2020 for the students of 6<sup>th</sup> to 9<sup>th</sup> standard at Shrimati Savitri Devi Thirani Vidyamandir, Thane.

A total of 08 student members of Second Year Mechanical and Electrical Engineering participated in the meal. The event was conducted under the guidance of Ms. Sarita Mishra, K12 Chair, President, Mrs. Manjusha Deshpande and President Mr. Manish Gulalkari from ISHRAE Thane Chapter.

The entire event was coordinated by Prof. Hemant Chavan, Faculty Advisor, FAMT ISHRAE Student Chapter.



FAMT ISHRAE student members receiving certificate of participation from Mrs. Manjusha Deshpande, Mr.Manish Gulalkari and Ms.Sarita Mishra of ISHRAE Thane Chapter

## Online Quiz on World Environment Day

ISHRAE FAMT Student Chapter conducted an Online Quiz on World Environment Day on 5<sup>th</sup> June, 2020. The quiz was based on the historical background of World Environment Day, biodiversity, sustainable development, and conservation of natural resources. A total of 233 students participated in the online quiz.

Prof. Vidyasheel S. Bagade and Prof.Shodhan U Mayekar (ISHRAE Faculty Advisors) along with Prof. Hemant V. Chavan (ISHRAE Student Activity Chair, Konkan region) and Dr. Milind.S. Kirkire (Head of Mechanical Engineering Department) guided the students to conduct event successfully.



# Professional Student's chapter activities

## ISHRAE FAMT Student Chapter Celebrates World Environment Day

ISHRAE FAMT Student Chapter celebrated the 'World Environment Day' on 5th June 2020. The program was conducted on Google Meet, an online platform, due to the current scenario caused by the pandemic. Dr. Milind. S. Kirkire (Head of Mechanical Engineering Department) expressed the views about sustainable development and conservation of energy sources in his inaugural speech.

Mr. Prem Rasik Kolte briefed the participants on the background of World Environment Day, conservation of conventional energy sources and utilization of renewable energy sources. Ms. Vaishali Ramchandra Arekar delivered a presentation on 'Asbestos and Its Effect on Environment'. A few videos on World Environment Day and Biodiversity were shown to all participants. The program ended up with a thanks note by Mr. Tejas Santosh Tupe (ISHRAE FAMT Chapter President) followed by a digital selfie.

The program was anchored by Mr. Zakwan Mapari. A total of 31 members (students and faculty) participated. Prof. Vidyasheel S. Bagade, Prof. Shodhan U Mayekar (ISHRAE Faculty Advisors), Prof. Hemant V. Chavan (ISHRAE Student Activity Chair, Konkan region) and Dr. Milind. S. Kirkire (Head, Mechanical Engineering Department) guided the students to conduct the event successfully.



## ISHRAE FAMT Student Chapter Organized a National Drawing Competition.

ISHRAE FAMT Student Chapter Organized a National Drawing Competition. ISHRAE FAMT Student Chapter organized a 'National Drawing Competition' from 30<sup>th</sup> May 2020 to 21<sup>st</sup> June 2020. Afra M. Faruque Wadkar, Sahil Suresh Movale and Aakanksha C. Mahadik won the competition in their respective

The themes of the competition included Corona warriors, Lockdown and Family Integration and Self-Reliant India. The competition was organized for three age categories- 9 to 13 years, 14 to 18 years and above 18 years. In all total 143 participants sent their drawings. Mr. Amol Padmakar Shivalkar, Mr. Babasaheb Rajaram Kamble and Mr. Uday Shivaji Lingayat judged the competition.

Prof. Vidyasheel S. Bagade, Prof. Shodhan U. Mayekar (ISHRAE Faculty Advisors), Prof. Hemant V. Chavan (ISHRAE Student activity chair, Konkan region), Dr. Milind. S Kirkire (HoD Mechanical Engineering Department) guided the event.



Drawings by students

## Online Quiz on World Environment Day

ISHRAE FAMT Student Chapter conducted an Online Quiz on World Environment Day on 5<sup>th</sup> June, 2020. The quiz was based on the historical background of World Environment Day, The quiz was based on historical background of world environment day, biodiversity, sustainable development, and conservation of natural resources.

A total of 233 students participated in the online quiz. Prof. Vidyasheel S. Bagade and Prof. Shodhan U Mayekar (ISHRAE Faculty Advisors) along with Prof. Hemant V. Chavan (ISHRAE Student Activity Chair, Konkan region) and Dr. Milind. S. Kirkire (Head of Mechanical Engineering Department) guided the students to conduct event successfully.

# Industrial Visits

## Visit to ZECO Aircon Ltd. Thane

An Industrial Visit to ZECO Aircon Ltd. Atgaon, Thane was organized ISHRAE Thane Chapter for the student members of the Mechanical Engineering on 25<sup>th</sup> January, 2020.

In this visit students explored the latest technology of Air Handling Unit, Coils, and Ducting. Mr. Kamble, a representative of ZECO, guided the students on air filters used in air handling unit, coils, and working and construction of air handling units. He also explained the construction of pre-insulated panels and ducting manufacturing. A total of 23 student members of second and third year Mechanical Engineering with Prof. Hemant V Chavan, Faculty Advisor, visited the plant under the guidance of Ms. Hemalata Patil, Student Activity Chair, ISHRAE Thane Chapter.



**Ms. Hemalata Patil and Mr.Kamble from ZECO aircon and ISHRAE Student members**

## Visit to Kruger Ventilation Industries (India) Pvt. Ltd. Thane

An Industrial Visit to Kruger Ventilation Industries (India) Pvt. Ltd. Atgaon, Thane was organized by ISHRAE Thane chapter for students of Mechanical Engineering on 25<sup>th</sup> January 2020. Kruger Ventilation is a subsidiary of Soler & Palau Ventilation Group.

The visit was organized as a part of students activity where students explored ventilation fans such as centrifugal fan technology, rotary fan, forward SISW, DIDW, backward curved impellers & their assembly line and Mr. Pankaj and Mr.Ankit, the representatives of Kruger Ventilation conducted a very informative session for the students.

Total of 23 students from 2nd & 3rd year Mechanical Engineering visited under the guidance of faculty advisor Prof. Hemant V. Chavan & Ms. Hemalata Patil, student activity chair, ISHRAE Thane Chapter



**Mr. Aniket Guiding students**

## Visit to JK Files (India) Limited, Ratnagiri

The Department of Mechanical Engineering of Finolex Academy of Management and Technology, Ratnagiri organized an 'Industrial Visit to JK Files (India) Limited, Ratnagiri', on 25<sup>th</sup> January 2020 for the students of second-year Mechanical Engineering.

Mr.Praksh Parulekar, HR Manager (JK Files Ltd. Ratnagiri) guided the students about the safety regulations to be followed in Industry. In this visit, students learned the importance, applications, use, and implementation of various manufacturing and material handling processes that are extensively used in manufacturing industries. During the visit, useful information related to material storage, material handling, Centre less grinding process, heat treatment process, automatic packaging, and dispatch was given by practical means.

A total of 106 students of the second-year Mechanical Engineering Department along with three faculty members visited the Industry. It was arranged with the permission of Dr. Kaushal Prasad, Principal FAMT with the initiative and valuable guidance of Dr. Milind S. Kirkire, Head of Mechanical Engineering Department. The entire visit was successfully planned and coordinated by Prof. Gayatri Abhyankar, Prof. Amar Yekane, and Prof.Pratik Kamble.



**Practical explanation and demonstration related to**



# Industrial Visits

## Visit to Finolex Power Plant

The Department of Mechanical Engineering organized an Industrial Visit to Finolex Power Plant to bridge the gap between curriculum and current industry practices in the area of thermodynamics on 9<sup>th</sup> January 2022. A total of 60 students & Prof. Hemant V. Chavant visited the plant & studied the actual boiler maintenance activities.



**Students with FIL Power Plant Officials**

# Faculty Achievements

## *FDP/STTP attended*

- **Dr. Milind S. Kirkire**

- Completed FDP on “Exploring The Dimensions of Innovation, Incubation and Emerging Technologies to Embrace Post COVID Changes” organized by Finolex Academy of Management and Technology, Ratnagiri
- Completed FDP on “Innovative Trends in Engg. & Technology” organized by SLRT College of Engg., Mumbai
- Completed FDP on “Innovation, Entrepreneurship and its Relevance in Industry 4.0 practices in the post COVID 19 situation” organized by Terana College of Engineering Navi Mumbai

- **Dr. Shashikant S. Gailkar**

- Completed one Week FDP on "Research Opportunities and Challenges in Manufacturing Sector" organized by SVERI's College of Engineering, Pandharpur
- Completed two Week online FDP on "Prayog - Experiments on Click - Using Virtual Labs" organized by Vidyavardhini College of Engineering and Technology, Vasai
- Completed FDP on “Innovative Trends in Engg. & Technology” organized by SLRT College of Engg., Mumbai
- Completed FDP on “Innovation, Entrepreneurship and its Relevance in Industry 4.0 practices in the post COVID 19 situation” organized by Terana College of Engineering Navi Mumbai
- Completed Five Days FDP on "Evaluation from Offline to Online Teaching" organized by Satish Pradhan Dnyansadhana Collage, Thane
- Completed STTP on “MATLAB based Teaching-Learning in Mathematics, Science & Engineering” organized by Ramrao Adik Institute of Technology, Nerul, Navi Mumbai
- Completed one Week STTP on "Advanced Optimization Tools and Techniques for Researchers and Engineers" organized by SKN Sinhgad College of Engineering, Pandharpur

- **Dr. Milind S. Yadav**

- Completed FDP on “Exploring The Dimensions of Innovation, Incubation and Emerging Technologies to Embrace Post COVID Changes” organized by Finolex Academy of Management and Technology, Ratnagiri
- Completed one week Program on “Outcome Based Education: A Step Towards Excellence” organized by Government College of Engineering, Karad
- Completed one week FDP on “Present Trends and Research in Electric Vehicles” organized by Rajarambapu Institute of Technology, Islampur
- Completed Five Days FDP on "Evaluation from Offline to Online Teaching" organized by Satish Pradhan Dnyansadhana Collage, Thane
- Completed on week FDP on “Moodle Learning Management System” organized by Vidyavardhini College of Engineering and Technology

- **Prof. V. Murli Mohan**

- Completed “one-Week FDP on "Research Opportunities and Challenges in Manufacturing Sector" organized by SVERI's College of Engineering, Pandharpur
- Completed one week Program on "Effective Use Of ICT Tools In Teaching Learning Process" organized by Government Polytechnic, Malvan, Sindhudurg, Maharashtra
- Completed one and Half week Program on "Development of E-Content” organized by Shri R.L.T. College of Science, Akola



# Faculty Achievements

## *FDP/STTP attended*

- **Prof. V. Murli Mohan**

- Completed FDP on “Exploring The Dimensions of Innovation, Incubation and Emerging Technologies to Embrace Post COVID Changes” organized by Finolex Academy of Management and Technology, Ratnagiri
- Completed one week Program on “Outcome Based Education: A Step Towards Excellence” organized by Government College of Engineering, Karad
- Completed FDP on “Innovation, Entrepreneurship and its Relevance in Industry 4.0 practices in the post COVID 19 situation” organized by Terana College of Engineering Navi Mumbai
- Completed Five Days FDP on "Evaluation from Offline to Online Teaching" organized by Satish Pradhan Dnyansadhana Collage, Thane

- **Prof. Vikram S. Chougule**

- Completed “Completed “two days FDP on “NBA preparation” organized by Finolex Academy of Management and Technology, Ratnagiri

- **Prof. Gayatri J. Abhyankar**

- Completed FDP on “Exploring The Dimensions of Innovation, Incubation and Emerging Technologies to Embrace Post COVID Changes” organized by Finolex Academy of Management and Technology, Ratnagiri
- Completed FDP on “Innovative Trends in Engg. & Technology” organized by SLRT College of Engg., Mumbai
- Completed FDP on “Innovation, Entrepreneurship and its Relevance in Industry 4.0 practices in the post COVID 19 situation” organized by Terana College of Engineering Navi Mumbai

- **Prof. Abhilasha S. Jadhav**

- Completed “Completed “two days FDP on “NBA preparation” organized by Finolex Academy of Management and Technology, Ratnagiri
- Completed FDP on “Innovation, Entrepreneurship and its Relevance in Industry 4.0 practices in the post COVID 19 situation” organized by Terana College of Engineering Navi Mumbai

- **Prof. Sumit S. Malusare**

- Completed FDP on “Exploring The Dimensions of Innovation, Incubation and Emerging Technologies to Embrace Post COVID Changes” organized by Finolex Academy of Management and Technology, Ratnagiri
- Completed FDP on “Advanced Trends in Engineering” organized by Nagpur Institute of technology, Nagpur
- Completed Five Days FDP on "Evaluation from Offline to Online Teaching" organized by Satish Pradhan Dnyansadhana Collage, Thane

- **Prof. Hemant V. Chavan**

- Completed “two days FDP on “NBA preparation” organized by Finolex Academy of Management and Technology, Ratnagiri
- Completed on week FDP on “Refrigeration and air-conditioning” organized by BITS Pilani, Hyderabad

- **Prof. Amar S. Yekane**

- Completed two days FDP on “NBA preparation” organized by Finolex Academy of Management and Technology, Ratnagiri

# Faculty Achievements

## *FDP/STTP attended*

- **Prof. Amar S. Yekane**

- Completed one week Program on “Outcome Based Education: A Step Towards Excellence” organized by Government College of Engineering, Karad
- Completed FDP on “Badalta Bhartiya Paridrushya, Sahitya, Sanskriti aur Manovigyan” organized by Delhi University under Ministry of Human Resource Development, Govt. of India

- **Prof. Mahadev L. Naik**

- Completed FDP on “Exploring The Dimensions of Innovation, Incubation and Emerging Technologies to Embrace Post COVID Changes” organized by Finolex Academy of Management and Technology, Ratnagiri
- Completed FDP on “Innovative Trends in Engg. & Technology” organized by SLRT College of Engg., Mumbai

- **Prof. Shodhan U. Mayekar**

- Completed FDP on “Fundamental of Energy Management and Applications” organized by SVNIT, Surat

- **Prof. Tushar V. Kavatkar**

- Completed “two days FDP on “NBA preparation” organized by Finolex Academy of Management and Technology, Ratnagiri
- Completed one week online FDP on "Overcoming the Challenges in Adapting Online Technology in Teaching Learning" organized by Jhulelal institute o Technology, Nagpur
- Completed one week Program on “Outcome Based Education: A Step Towards Excellence” organized by Government College of Engineering, Karad
- Completed on week FDP on “Moodle Learning Management System” organized by Vidyavardhini College of Engineering and Technology
- Completed one week STTP on "Infrastructures and possibilities ahead" organized by New Horizon Institute of Technology and Management

- **Prof. Pranav P. Thakur**

- Completed two days FDP on “NBA preparation” organized by Finolex Academy of Management and Technology, Ratnagiri

- **Prof. Rushikesh M. Rasal**

- Completed on week FDP on “Moodle Learning Management System” organized by Vidyavardhini College of Engineering and Technology

- **Prof. Dayanand G. Potdar**

- Completed one Week Online Faculty Development Program on “Engineering Education & the Industry: A Post COVID-19 Perspective” organized by Rajiv Gandhi Institute of Technology, Mumbai
- Completed two days FDP on “NBA preparation” organized by Finolex Academy of Management and Technology, Ratnagiri
- Completed one week online Faculty Development Program on “R” organized by Department of Mechanical Engineering, S. B. Jain Institute of Technology, Management & Research, Nagpur in association with Spoken Tutorial Project, Indian Institute of Technology, Bombay

# Faculty Achievements

## *FDP/STTP attended*

- **Prof. Dayanand G. Potdar**

- Completed one week online FDP on "Overcoming the Challenges in Adapting Online Technology in Teaching Learning" organized by Jhulelal institute o Technology, Nagpur
- Completed one week Program on "Outcome Based Education: A Step Towards Excellence" organized by Government College of Engineering, Karad
- Completed one week international faculty development program on "Innovative Trends In Engineering and Technology" organized by IQAC, Shree. L. R. Tiwari College of Engineering
- Completed 3 Days Online FDP on "Preparing for NBA Accreditation with a Case Study of Course and Program Outcomes Attainment" organized by IQAC of AISSMS IOIT, Pune and Association of Managements of Un-aided Engineering
- Completed FDP on "Innovation, Entrepreneurship and its Relevance in Industry 4.0 practices in the post COVID 19 situation" organized by Terana College of Engineering Navi Mumbai
- Completed one week STTP on "Infrastructures and possibilities ahead" organized by New Horizon Institute of Technology and Management

## *Workshops attended*

- **Prof. Tushar V. Kavatkar**

- Attended one day workshop on "LINUX" organized by Teaching Learning Centre, ICT, at IIT Bombay held at FAMT Ratnagiri

- **Prof. Pratik R. Kamble**

- Attended workshop on "Geometric Dimensioning and Tolerances (GD & T)" Poona Division of Productivity Council (PDPC), Pune
- Attended workshop on "API Using Autodesk 360 Software" organized by AUTODESK and Pillai College of Engineering & Technology

## *Expert lecture delivered*

- **Dr. Milind S. Kirkire**

- Delivered Expert Lecture on IIOT Industry 4.0 Practices organized by K J Somaiya College of Engineering, Mumbai

# Faculty Achievements

## Online Certificate Courses

- **Prof. Amar S. Yekane**

- Completed a course on “Introduction to Internet of Things” conducted by Stanford University, Stanford Center for Professional Development, USA.
- Completed a course on “E-Learning Program on Industrial Water System” conducted by TATA Steel, Jamshedpur
- Completed a course on “E-Learning Program on Basic TQM Principles” conducted by TATA Steel, Jamshedpur
- Completed a course on “E-Learning Program on Industry 4.0” conducted by TATA Steel, Jamshedpur
- Completed a course on “Production Part Approval Process” conducted by MSME-Technology Development Centre (PPDC), Govt of India
- Completed a course on “E-Learning Program on Machine Learning” conducted by TATA Steel, Jamshedpur
- Completed a course on “E-Learning Program on Measuring Instrument” conducted by TATA Steel, Jamshedpur

- **Prof. Hemant V. Chavan**

- Completed a course on “HVAC: Chiller operation, working & Maintenance” conducted by Udemy
- Completed a course on “Introduction to Piping engineering in oil and gas” conducted by Udemy
- Completed a course on “Hourly Analysis Program HVAC sample Project” conducted by Udemy
- Completed a course on “an introduction to heat transfer” conducted by Udemy
- Completed a course on “HVAC Engineering & cooling load Calculation” conducted by Udemy
- Completed a course on “How to read P&ID, PFD, BFD” conducted by Udemy
- Completed a course on “cooling buildings thoughtfully” conducted by Udemy
- Completed a course on “Flow of fluid through piping system, Valve & pumps” conducted by Udemy
- Completed a course on “all you need to know about Refrigerator” conducted by Udemy
- Completed a course on “HVAC Basic load calculation” conducted by Udemy

- **Prof. Sumit S. Malusare**

- Completed a course on “The Complete Solar Energy Course Beginner to Advanced” conducted by Udemy

- **Prof. Mahadev L. Naik**

- Completed a course on “Programming for Everybody (Getting started with Python)” conducted by University of Michigan

- **Prof. Tushar V. Kavatkar**

- Completed a course on “Initiating and planning projects” conducted by University of California, Irvine
- Completed a course on “Budgeting and scheduling projects” conducted by University of California, Irvine
- Completed a course on “Supply chain logistics” conducted by Rutgers The state university of New Jersey
- Completed a course on “Excel Skills for Business: Essentials” conducted by University of Macquarie, Sydney, Australia
- Completed a course on “Introduction to Data Analysis using Excel” conducted by University of Rice



# Faculty Achievements

## *Online Certificate Courses*

- **Prof. Pranav P. Thakur**

- Completed a course on “Initiating and planning projects” conducted by University of California, Irvine
- Completed a course on “Budgeting and scheduling projects” conducted by University of California, Irvine
- Completed a course on “Managing project risk and changes” conducted by University of California, Irvine
- Completed a course on “Supply chain logistics” conducted by Rutgers The state university of New Jersey
- Completed a course on “Supply chain operations” conducted by Rutgers The state university of New Jersey
- Completed a course on “Supply chain planning” conducted by Rutgers The state university of New Jersey

- **Prof. Rushikesh M. Rasal**

- Completed a course on “3D printing hardware” conducted by University of Illinois through Coursera

- **Prof. Dayanand G. Potdar**

- Completed a course on “Excel Skills for Business: Essentials” conducted by Macquarie University, Sydney Australia

- **Prof. Pratik R. Kamble**

- Completed a course on “Initiating and planning projects” conducted by University of California, Irvine
- Completed a course on “Excel Skills for Business: Essentials” conducted by Macquarie University, Sydney Australia
- Completed a course on “Programming for Everybody (Getting Started with Python)” conducted by University of Michigan
- Completed a course on “Global Environmental Management” conducted by Technical University of Denmark
- Completed a course on “Supply chain logistics” conducted by Rutgers the State University of New Jersey
- Completed a course on “The Art of Negotiation” conducted by University of California, Irvine
- Completed a course on “Six Sigma Tools for analyze” conducted by University System of Georgia
- Completed a course on “Six Sigma Principles” conducted by Kennesaw State University, Georgia
- Completed a course on “3D Model Creation with Autodesk Fusion 360” conducted by Autodesk
- Completed a course on “Budgeting and Scheduling Projects” conducted by University of California, Irvine
- Completed a course on “Six Sigma Tools for Define and Measure” conducted by University System of Georgia
- Completed a course on “E-Learning Program on Basic TQM” conducted by TATA Steel, Jamshedpur
- Completed a course on “The fundamentals of Digital Marketing” conducted by Google Digital Unlocked
- Completed a course on “Google Analytics for Beginners” conducted by Google Analytics academy
- Completed a course on “E-Learning Program on Heat Treatment of Steels” conducted by TATA Steel, Jamshedpur
- Completed a course on “Online Lean Manufacturing Excellence Program” conducted by IDOS Consultants LLP, Navi Mumbai
- Completed a course on “Excel Expert- Microsoft Office Specialist” conducted by LinkedIn Learning
- Completed a course on “Career Edge- Knockdown the Lockdown” conducted by TCS ION
- Completed a course on “E-Learning Program on Machine Learning” conducted by TATA Steel, Jamshedpur
- Completed a course on “E-Learning Program on Industry 4.0” conducted by TATA Steel, Jamshedpur

# Faculty Achievements

## *Webinars attended*

- **Dr. Milind S. Yadav**

- Attended Webinar on “Application of Statistical tools and Energy Engineering” organized by Shree L R Tiwari Collage of Engineering
- Attended Webinar on “Battery Modelling Simulation Using STARCCM+ Software” organized by Fr. Conceicao Rodrigues Institute of Technology, Vashi
- Attended Webinar on “Patents & Intellectual Property Rights” organized by RMD Sinhgad School of Engineering, Warje

- **Prof. V. MuraliMohan**

- Attended Webinar on “Refinery Operations Management & Technology” organized by FInolex Academy of Management and Technology, Ratnagiri, Department of Chemical Engineering
- Attended Webinar on “Data Science Congress 2020” an initiative of Aegis School of Business, Data Science and Cyber Security powered by Mumbai University Campus

- **Prof. Vikram S. Chougule**

- Attended Webinar on “Refinery Operations Management & Technology” organized by FInolex Academy of Management and Technology, Ratnagiri, Department of Chemical Engineering

- **Prof. Sumit S. Malusare**

- Attended Webinar on “ Application of Statistical tools and Energy Engineering” organized by Shree L R Tiwari Collage of Engineering

- **Prof. Hemant V. Chavan**

- Attended Webinar on “Pshychrometry and cooling load Estimation” organized by ISHRAE Thane Chapter

- **Prof. Tushar V. Kavatkar**

- Attended webinar on “Developing Thinking Abilities Relevant for Engineering Education” organized by FACE PREP
- Attended webinar on “Role of Teacher in Context with National Education Policy” organized by MUCTA
- Attended Webinar on “ Application of Statistical tools and Energy Engineering” organized by Shree L R Tiwari Collage of Engineering
- Attended Webinar on “Faculty Program on NBA” organized by Bharati Vidyapeeth College Of Engineering, Navi Mumbai
- Attended Webinar on “Emotional Well Being At Work (Psychology of Emotional Intelligence)” organized by Association of Business Leaders and Entrepreneurs
- Attended Webinar on “Faculty Awareness Program on NBA and Outcome Based Education (OBE)” organized by Department of Computer Engineering, JSPM’s Rajarshi Shahu College of Engineering, Tathawade, Pune
- Attended Webinar on “Electric Solar Vehicle Project” organized by ISIEINDIA

# Faculty Achievements

## *Webinars attended*

- **Prof. Dayanand G. Potdar**

- Attended Webinar on “E-Tendering” organized by JIT Borawan (MP)
- Attended Webinar on “Faculty Awareness Program on Industrial Engineering and its Applications in Industry” organized by Department of Mechanical Engineering, JSPM Narhe Technical Campus Narhe, Pune
- Attended Webinar on “Application of Statistical tools and Energy Engineering” organized by Shree L R Tiwari Collage of Engineering
- Attended Webinar on “TEQIP-III Sponsored One day National Webinar on Role of Additive Manufacturing (3D Printing )” organized by Department of Engineering, Engineering College Banswara
- Attended Webinar on “Faculty Program on NBA” organized by Bharati Vidyapeeth College Of Engineering, Navi Mumbai
- Attended Webinar on “Emotional Well Being At Work (Psychology of Emotional Intelligence)” organized by Association of Business Leaders and Entrepreneurs
- Attended Webinar on “Faculty Awareness Program on NBA and Outcome Based Education (OBE)” organized by Department of Computer Engineering, JSPM’s Rajarshi Shahu College of Engineering, Tathawade, Pune

## *Conference attended*

- **Prof. Amar S. Yekane**

- Attended International Conference on Management and Recycling of Metallurgical Waste held by Indian Institute of Technology, Varanasi

- **Prof. Dayanand G. Potdar**

- Attended IWCSET-2020 international Web Conference held by Society of Technical advanced Materials of India

- **Prof. Pratik R. Kamble**

- Attended an Exclusive Conference on 'Additive Manufacturing' held by CII Naoroji Godrej Centre of Manufacturing Excellence

# Newspaper Clipping

Finolex Academy of Management & Technology received Best ISHRAE Model Award

2020

सकाळ

## फिनोलेक्स कॉलेजला सर्वोत्कृष्ट इश्रे मॉडेल स्टुडंट चॅप्टर पुरस्कार

रत्नागिरी, ता. २८ : गेल्या तीन वर्षांत इंडियन सोसायटी ऑफ हिटिंग रेफ्रिजरेटिंग एअरकंडिशनिंग इंजिनिअर्स (इश्रे) या संस्थेतर्फे घेतलेल्या विविध स्पर्धांमध्ये विद्यार्थी उपक्रमातील सर्वोत्कृष्ट कामगिरी आणि विद्यार्थ्यांच्या सहभागासाठी मेकॅनिकल अभियांत्रिकी विभागाच्या इश्रे विद्यार्थी अध्यायाने बेस्ट मॉडेल स्टुडंट चॅप्टर जिंकला.

हा पुरस्कार पश्चिम विभागातील मुंबई, ठाणे, पुणे, औरंगाबाद, कोल्हापूर, सांगली, नागपूर, नाशिक, गोवा, इंदूर, भोपाळ, अहमदाबाद, सुरत, वडोदरा, वापी येथील विविध अभियांत्रिकी महाविद्यालयांमधील एकूण १५४ विद्यार्थी अध्यायांचा समावेश असलेल्या महाविद्यालयांतून फिनोलेक्स महाविद्यालयाने जिंकला. प्रा. हेमंत चव्हाण यांच्या प्रयत्नाने मेकॅनिकल इंजिनिअरिंगच्या विद्यार्थ्यांसाठी सन २०१७ मध्ये फिनोलेक्स महाविद्यालयात इश्रे विद्यार्थ्यांचा अध्याय सुरू झाला. त्यांच्या मार्गदर्शनाखाली विद्यार्थ्यांनी

### करिअरची निवड

इश्रे विद्यार्थी अध्याय, विद्यार्थ्यांना एचव्हीएसी अँड आर उद्योगातील करिअरची निवड करण्यास प्रोत्साहित करतो. सेमिनार, प्रश्नमंजूषा, वनस्पती आणि इंडस्ट्रियल भेटीद्वारे ज्ञानप्रसार केला जातो.

विविध उपक्रम आणि स्पर्धांमध्ये भाग घेतला. प्रा. चव्हाण यांनाही या कार्यासाठी पुरस्कार देऊन सन्मानित करण्यात आले आहे. के-१२ उपक्रम शालेय विद्यार्थ्यांच्या स्पर्धांवर केंद्रित आहे. त्यांना ड्रॉइंग स्पर्धा, पोस्टर डिझाइन, क्वीझ आणि झाडे लावण्याद्वारे ऊर्जा संवर्धन आणि पर्यावरणीय समस्यांविषयी जागरूक केले जाते. याकरिता डॉ. मिलिंद किरकिरे आणि प्राचार्य डॉ. कौशल प्रसाद यांचे मार्गदर्शन लाभते. या यशाबद्दल होप फाउंडेशनच्या अध्यक्षा अरुणा कटारा यांनी अभिनंदन केले.