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# MECHAZINE

*Biannual Bulletin of  
Department of Mechanical Engineering*

*Team Matador All India Second Rank*



## EDITORS:

Dr. Milind Kirkire  
(Dean Academics and Head, Mechanical Engg. Dept.)

Prof. Sachin Mestry  
(Assistant Professor, Mechanical Engg. Dept.)



Hope Foundation's

**Finolex Academy of Management and Technology, Ratnagiri**

(Approved by AICTE, Recognized by DTE, Affiliated to University of Mumbai)

P-60, 60/1, MIDC Mirjole Block, Ratnagiri, Maharashtra, INDIA 415639

# 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)*  
*Ms. 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)*

## 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*

“

TALENT IS A  
FACULTY THAT IS  
HIGHLY DEVELOPED,  
BUT GENIUS  
COMMANDS ALL THE  
FACULTIES

”

**Francis Herbert Hedge**

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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**

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

## **PROGRAM SPECIFIC OUTCOMES**

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

## **PROGRAM EDUCATIONAL OBJECTIVES**

1. To prepare the Learner with a sound foundation in the mathematical, scientific and engineering fundamentals
2. To prepare the Learner to use modern tools effectively in order to solve real life problems
3. To prepare the Learner for a successful career in Indian and Multinational Organizations and to excel in their Postgraduate studies
4. To encourage and motivate the Learner in the art of self-learning
5. To inculcate a professional and ethical attitude, good leadership qualities and commitment to social responsibilities in the Learner's thought process



# PROGRAMS ORGANISED BY THE DEPARTMENT

## One Day Bridge Course for Mechanical Engineering Students

The Department of Mechanical Engineering organized a "One Day Bridge Course for Second Year Mechanical Students" on 11th July 2019 for the second year Mechanical Engineering students. The objective of the course was to familiarize the newly admitted S.E students about prerequisites of Machine Tool practices, Materials Technology and Engineering Mathematics.



Prof. Gayatri Abhyankar, demonstrating the machine tools to the students

## A Two Days Workshop on Electric Vehicle Design & Development

The Department of Mechanical Engineering of Finolex Academy of Management and Technology, Ratnagiri in association with DIYguru Education & Research Pvt. Ltd. conducted a two days' workshop on "Electric Vehicle Design & Development" from 20th to 21st September 2019 for the students of Third year and Final Year Mechanical and Electrical Engineering.



Prof. S S Gurav welcoming guests

## One Day Workshop on Preventive and Predictive Maintenance of Machines Using Vibration Analysis

The Department of Mechanical Engineering organized a "one day workshop on Preventive and Predictive Maintenance of Machines Using Vibration Analysis" by Mr. Sudarshan Lakha on 23rd August 2019.



Mr. Sudarshan Lakha conducting the session

## Three Days Workshop on IoT Oriented Mechanical Application

The Department of Mechanical Engineering of Finolex Academy of Management and Technology, Ratnagiri in association with Prolific Systems & Technologies Pvt. Ltd., Pune conducted a Three days workshop on "IoT Oriented Mechanical Applications" from 4th to 6th October 2019 for the students of Third year Mechanical Engineering.



Practical Session for Participating Students

# PROGRAMS ORGANISED BY THE DEPARTMENT

## Skill-up Calci

Mechanical Engineering Students Association (MESA) organized Skill-up Calci on 29th July to 2nd August 2019 in coordination with First Year Engineering Department. The aim was to make the students of First Year Engineering familiar with the functions of scientific calculator to find solutions of Matrices, Integration, solving Equations etc.



Prof. Tushar Kavatkar explaining the importance of event to the FE students

## Book Fair

Mechanical Engineering Students Association (MESA) organized a Book Fair on 8th August to 14th August 2019. The purpose of the book fair was to make available old books for the students of academy at affordable price



Dr. Kaushal Prasad (Principal, FAMT) with a Student Buyer.

## Blood Donation Camp

A Blood Donation Camp was organized to create health awareness and social responsibility among students in the academy on 27th September 2019 by Mechanical Engineering Students Association [MESA] in association with Red Cross and Civil Hospital Blood Bank, Ratnagiri.



Dr.Kaushal Prasad (Principal, FAMT) and Prof. T.V. Kavatkar (MESA Faculty Advisor) along with Mr. Vikrant Patwardhan, MESA Head; Ms. Swati Chavan, Ladies Representative; Mr.. Shriyog Gimhavanekar, Assistant MESA Head



# PROGRAMS ORGANISED BY THE DEPARTMENT

## Teachers' Day Celebration

The Department of Mechanical Engineering and ISHRAE FAMT Student Chapter celebrated Teachers' Day on 24th September 2019. Prof. Dr. Milind Yadav and other faculty members inaugurated the program.



Dr. Milind Yadav lighting the lamp

## Beach Cleaning Campaign on 151 Birth Anniversary of Mahatma Gandhi

On the occasion of the 151st Birth Anniversary of Mahatma Gandhi, the Department of Mechanical organized a Beach Cleaning Campaign at Mandavi Beach in association with FAMT ISHRAE & ASHRAE Student Chapters and Ratnagiri Municipal Council on Monday, 13 September 2019. A total of 130 student members participated in cleaning the beach a day after Ganesh Visarjan. It was coordinated by FAMT ISHRAE & ASHRAE Student Chapters Faculty Advisor – Prof. Hemant V Chavan.



## Together against Corruption, an International Youth Contest

The Department of Mechanical Engineering organized an International Youth Contest on Together against Corruption in association with Rashtriya Chemical Fertilizers on 25th August 2019 in celebration of Vigilance Awareness Week from 28th October to 2nd November 2019. The program was conducted by ISHRAE Faculty Advisor Prof. Hemant V. Chavan.



## World Environment Day Celebration

Given the celebration of World Environment Day, ISHRAE student members organized a Plantation program with ISHRAE THANE Chapter on 27th July 2019.

The program was coordinated by FAMT ISHRAE Student members under the guidance of Faculty Advisor Prof. Hemant V. Chavan and Prof. Abhijit M. Date.



Dr. Milind Yadav, HOD Mechanical; Prof. Hemant V Chavan, Faculty Advisor ISHRAE; Prof. Abhijit M Date and ISHRAE THANE Chapter Office Bearers – Mrs. Manjusha Deshpande (President); Mr. Manish Gulalkari, Students Activity Chair; Ms. Hemlata Patil, Mr. Abhijeet Kamat, Mr. Nishant Lomash and Mr. Amit Deshmukh

## PROGRAMS ORGANISED BY THE DEPARTMENT

### Qrious 2019: A Quiz Contest

The Department of Mechanical Engineering organized a quiz contest Qrious 2019 for the student members of Final Year Mechanical Engineering on Wednesday 16th October 2019. It was based on Refrigeration and Air-conditioning Technology.

A total of 25 student members from Final Year Mechanical Engineering participated in the quiz contest. It was conducted under the guidance of – Prof. Hemant Chavan, Prof. Abhijit Date, and Prof. Shodhan Mayekar.



Prof. Hemant Chavan, Prof. Abhijit Date and Prof. Shodhan Mayekar during Quiz.

### STTP on Energy Efficient Practices in Refrigeration and Air conditioning

A Short Term Training Program on **Energy Efficient Practices in Refrigeration and Air-conditioning** was successfully conducted from 2nd December to 6th December 2019 by the Department of Mechanical Engineering in association with **ASHRAE Mumbai Chapter** and **ISHRAE Thane Chapter**.

It received an overwhelming response from 30 participants. A total of 16 Guest speakers from Industries around Mumbai, Goa, and Sangli guided participants with their experience. It was coordinated by **Dr. Milind S Yadav** and **Prof. Hemant V Chavan**.



The Chief guest Dr. Milind V Rane (Institute Chair Professor, Department of Mechanical Engineering, IIT Bombay) being felicitated by Dr. Kaushal Prasad (Principal) with Dr. Milind Kirkire (Dean Academics and HoD, Mechanical Engg.) and Dr. Milind Yadav (Coordinator).



# INDUSTRIAL VISITS

## Industrial Visit to MSRTC Workshop, Ratnagiri (For T. E. Mechanical Students)

The Department of Mechanical Engineering arranged an Industrial Visit to MSRTC Workshop, TRP, Ratnagiri on 27th July, 2019 for the students of Third Year Mechanical Engineering.



Prof. R M Rasal with students at MSRTC, TRP Ratnagiri

## Industrial Visit to MSRTC Divisional Workshop, Ratnagiri (For B. E. Mechanical Students)

The Department of Mechanical Engineering organized an Industrial Visit to MSRTC Divisional Workshop, Ratnagiri on 24th of August 2019 for B.E Mechanical Engineering students for the Elective Subject Automobile Engineering.



Prof. Tushar Kavatkar & Prof. Vikram Nagle along with Students at MSRTC Workshop during visit

## Industrial Visit to Wilo Mather and Platt Pumps Pvt. Ltd., Kolhapur

The Mechanical Engineering Department organized an Industrial Visit to Wilo Mather and Platt Pumps Pvt. Ltd., Kolhapur in association with ISHRAE Thane Chapter for the student members on Saturday 5th October 2019.

A total of 43 student members of Second and Third-year Mechanical Engineering visited the facilities. The visit was conducted under the guidance of Ms. Hemalata Patil, Student Activity Chair, ISHRAE Thane Chapter.



Prof. Hemant V. Chavan (ISHRAE, ASHRAE Faculty Advisor) and Prof. Pratik Kamble accompanied the students during the visit.

# STUDENT'S ACHIEVEMENTS

## Success of Samarth Shinde in International Competition at Amman, Jordan

Mr. Samarth Avinash Shinde of Second-year Mechanical Engineering bagged Second position for his presentation on District Cooling System in the RAL Student Competition held during Large Chapter Regional Conference 2019 (RAL CRC) on 29th September 2019 at Hotel Grand Hyatt in Amman, Jordan. He received the certificate of participation, a free ASHRAE membership until his graduation and Cash prize of \$600.



Samarth receiving the award accompanied by Prof. Hemant Chavan and other dignitaries

## Team MATADORS of FAMT Won All India Second Rank in National Level Bharath Formula Karting Championship (BFKCT 3.0)-2019-20

Event Dates: 10th September - 13th September, 2019

Bharath Formula Karting organised by CADD Technologies at Kari Motor Speedway, Coimbatore, Tamil Nadu

### The Team MATADORS

Prathamesh Sandeep Rahate (Captain)  
Kushal Hemant Choudhary (Vice Captain)  
Vikrant Vinayak Patwardhan  
Rahul Sanjay Padyal  
Unmesh Laxman Parab  
Siddhesh Vaibhav Chhatre  
Sahil Sanjay Bandbe  
Sarvesh Sanjay Raut  
Suyog Digambar Redij  
Priyesh Prakash Joshi  
Pranal Ravindra Tarye  
Tejas Santosh Tupe  
Avishkar Ramesh Bondre

Shubham Umesh Nalawade  
Yashwant Zilu Dhuri  
Aniket Vijaykumar Patil  
Rohan Pramod Posane  
Shubham Arjun Sutar  
Kunal Mohan Patil  
Nimish Sakharam Patil  
Aniket Shyamsundar Parab  
Reshma Rajendra Morajkar  
Poonam Chandrashekhar Velonde  
Swati Sharad Chavan  
Aparajeet Raghunath Desai  
Ninad Naresh Kher



# STUDENT'S ACHIEVEMENTS

Prizes won **All India Second Rank** with **prize money** of approximately **Rs.35000**

Faculty Advisors: Prof. V. Murali Mohan & Prof. Amar Yekne



Team Matador Glimpses



## STUDENT'S ACHIEVEMENTS

### **Samarth Shinde Won Gold Medal in University Level Elocution Competition**

**Samarth Avinash Shinde** from Second Year Mechanical won Gold Medal in University Level Elocution Competition (Group B) held at Vidyapeeth Vidyarthi Bhavan, Churchgate, Mumbai on 28th August 2019. The competition was held under 52nd University Youth Festival. Around 40 students from different colleges affiliated to University of Mumbai participated in this competition.



**Samarth Shinde with the Gold Medal and Certificate of Merit**

### **Team Mech Masters Selected for Final Round of Smart India Hackathon Competition**

The student's team "MechMasters" of Mechanical Engineering Department, FAMT, was selected for the final round of Smart India Hackathon Hardware Edition 2019 (SIH-2019) competition. SIH-2019 is organized to find solutions for industry problems and is driven by All India Council for Technical Education (AICTE) and MHRD, Government of India.

Team MechMasters –

**Team Mentor: Prof. Jayant Mane,**  
Department of Electrical Engineering

**Team Leader: Rushikesh Dale**

**Team Members: 1. Mr. Parth Makadia**  
**2. Mr. Omkar Sagavekar 3. Mr. Govind**  
**Walavalkar 4. Ms. Ashwini Vaidya**

**SPOC- Prof. Deven Ketkar,** Department of  
Information Technology



**Team MechMasters with Dr. Kaushal Prasad (Principal), Prof. Deven Ketkar (SPOC, SIH-2019) and Dr. Milind Yadav, (HOD, Mechanical Engg.)**

# FACULTY ACHIEVEMENTS

## NPTEL Online Certification Courses

Name of Faculty	Course Name	Grade
Dr. Milind S Kirkire	Design Thinking - A Primer	Elite +Silver
Prof. Prabodh B. Horambe	Innovation Business Models and Entrepreneurship	Elite +Silver (Topper 2%)
Prof. Sachin S. Mestry	Design for Quality, Manufacturing and Assembly	Elite +Silver
Prof. Amar S. Yekane	Product Design using Value Engineering	Elite +Silver
Prof. Tushar V Kavatkar	Product Design using Value Engineering	Elite +Silver
Prof. Mahadev L. Naik	Introduction to Research - Online	Elite +Silver
Prof. Harshal R Salvi	Introduction to Research - Online	Elite +Silver
Prof. Jayesh S. Anavkar	Design for Quality, Manufacturing and Assembly	Elite
Prof. Sumit S Malusare	Manufacturing Automation	Elite
Dr. Shashikant S Goilkar	Patent Search for Engineers and Lawyers	Elite
Prof. Vidyasheel S. Bagade	Energy Conservation and Waste Heat Recovery	Elite
Prof. Shodhan U. Mayekar	Energy Conservation and Waste Heat Recovery	Elite
Prof. Pratik R. Kamble	Toyota Production System - Online	Elite
Prof. Gayatri J. Abhyankar	Introduction to Research - Online	Elite
Dr. Milind S. Yadav	Design for Quality, Manufacturing and Assembly	Successfully Completed

## Awards

Dr. Milind Kirkire and Prof. Gayatri Abhyankar received *Productivity Improvement Award in National Productivity Competition* during 61st National Convention of Indian Institution of Industrial Engineering held at **SV National Institute of Technology, Surat** during 12th -14th Dec 2019.



Dr. Milind Kirkire presenting during National Productivity Competition



## FACULTY ACHIEVEMENTS

**Prof. Hemant V. Chavan** has been awarded with the prestigious **2019 Student Branch Advisor of the Year Award** by **American Society of Heating Refrigerating and Air-conditioning Engineers (ASHRAE)**.



Prof. Hemant V Chavan being felicitated by Mr. Amod Dixit, President, and Mr. Sandeep Shinde, Student Activity Chair of ASHRAE Mumbai Chapter

**Prof. Gayatri Abhyankar and Dr. Milind Kirkire** Received **Best Paper Award** for research paper titled 'Structural Equation Modelling (SEM) of Success Factors for Medical Device Development' in **5th International conference on Industrial Engineering (ICIE19)**, **S V National Institute of Technology, Surat, Gujarat, India.** (Dec. 12-14 2019).



Prof. Gayatri Abhyankar and Dr. Milind Kirkire receiving the Best Research Paper Award at the hands of Prof. P. L. Patel, Deputy Director of SVNIT Surat in the presence of Shri. Damodar Bhagat, Chairman, IIIE National Council, Mumbai.



# FACULTY ACHIEVEMENTS

## Faculty Development Programs/Short Term Training Programs

**Dr. M. S. Kirkire** has completed One week AICTE and ISTE approved Short Term Training Program on "Energy Efficient Practices in Refrigeration and Air – Conditioning", organized by Department of Mechanical Engineering, Finolex Academy of Management and Technology (FAMT), Ratnagiri in association with ASHRAE, Mumbai and ISHRAE, Thane Chapter, from 2nd December to 6th December 2019.

**Prof. V. Murali Mohan** has completed One week AICTE and ISTE approved Short Term Training Program on "Energy Efficient Practices in Refrigeration and Air – Conditioning", organized by Department of Mechanical Engineering, Finolex Academy of Management and Technology (FAMT), Ratnagiri in association with ASHRAE, Mumbai and ISHRAE, Thane Chapter, from 2nd December to 6th December 2019.

**Prof. Sachin S Mestry** has completed AICTE sponsored Two Weeks Pedagogical FDP on "Imparting Outcome Based Education (OBE) in Professional Education: Objectives, Best Practices and Measurement of Outcomes" organized by D. Y. Patil College of Engineering, Akurdi Pune from 4th November 2019 to 15th November 2019 and secured Gold Medal.

**Prof. V. S. Bagade** has completed One week AICTE and ISTE approved Short Term Training Program on "Energy Efficient Practices in Refrigeration and Air – Conditioning", organized by Department of Mechanical Engineering, Finolex Academy of Management and Technology (FAMT), Ratnagiri in association with ASHRAE, Mumbai and ISHRAE, Thane Chapter, from 2nd December to 6th December 2019.

**Prof. A. S. Jadhav** has completed One week AICTE and ISTE approved Short Term Training Program on "Energy Efficient Practices in Refrigeration and Air – Conditioning", organized by Department of Mechanical Engineering, Finolex Academy of Management and Technology (FAMT), Ratnagiri in association with ASHRAE, Mumbai and ISHRAE, Thane Chapter, from 2nd December to 6th December 2019.

**Prof. G. J. Abhyankar** has completed One week AICTE and ISTE approved Short Term Training Program on "Energy Efficient Practices in Refrigeration and Air – Conditioning", organized by Department of Mechanical Engineering, Finolex Academy of Management and Technology (FAMT), Ratnagiri in association with ASHRAE, Mumbai and ISHRAE, Thane Chapter, from 2nd December to 6th December 2019.

**Prof. H. R. Salvi** has completed Faculty Development Program on "Fundamentals of Energy Management and Applications (FEMA 2019)" organized by Sardar Vallabhbhai National Institute of Technology, Surat and sponsored by ATAL Academy from 25th November 2019 to 29th November 2019.

# FACULTY ACHIEVEMENTS

## Faculty Development Programs/Short Term Training Programs

**Prof. A. S. Yekane** has completed Short Term Training Program on "FEM Simulations in Metal Forming: Formulation and Practical Implementation", organized by Indian Institute of Technology, Bombay from 9th December 2019 to 13th December 2019.

**Prof. S. U. Mayekar** has completed Faculty Development Program on "Fundamentals of Energy Management and Applications (FEMA 2019)" organized by Sardar Vallabhbhai National Institute of Technology Surat and sponsored by ATAL Academy from 25th November 2019 to 29th November 2019.

**Prof. S. S. Gurav** has completed One week AICTE and ISTE approved Short Term Training Program on "Energy Efficient Practices in Refrigeration and Air – Conditioning", organized by Department of Mechanical Engineering, Finolex Academy of Management and Technology (FAMT), Ratnagiri in association with ASHRAE, Mumbai and ISHRAE, Thane Chapter, from 2nd December to 6th December 2019.

**Prof. P. B. Horambe** has completed One week AICTE and ISTE approved Short Term Training Program on "Energy Efficient Practices in Refrigeration and Air – Conditioning", organized by Department of Mechanical Engineering, Finolex Academy of Management and Technology (FAMT), Ratnagiri in association with ASHRAE, Mumbai and ISHRAE, Thane Chapter, from 2nd December to 6th December 2019

**Prof. T. V. Kavatkar** has completed One week AICTE and ISTE approved Short Term Training Program on "Energy Efficient Practices in Refrigeration and Air – Conditioning", organized by Department of Mechanical Engineering, Finolex Academy of Management and Technology (FAMT), Ratnagiri in association with ASHRAE, Mumbai and ISHRAE, Thane Chapter, from 2nd December to 6th December 2019

**Prof. P. R. Kamble** has completed One week AICTE and ISTE approved Short Term Training Program on "Energy Efficient Practices in Refrigeration and Air – Conditioning", organized by Department of Mechanical Engineering, Finolex Academy of Management and Technology (FAMT), Ratnagiri in association with ASHRAE, Mumbai and ISHRAE, Thane Chapter, from 2nd December to 6th December 2019

**Prof. P. P. Thakur** has completed One week AICTE and ISTE approved Short Term Training Program on "Energy Efficient Practices in Refrigeration and Air – Conditioning", organized by Department of Mechanical Engineering, Finolex Academy of Management and Technology (FAMT), Ratnagiri in association with ASHRAE, Mumbai and ISHRAE, Thane Chapter, from 2nd December to 6th December 2019

# FACULTY ACHIEVEMENTS

## Research Publication in International Journal

**P. R. Kamble, D.G. Potdar, T.V. Kavatkar**, "An Overview of Industry 4.0 Means to Supply Chain" International Journal for Science and Advance Research in Technology, Volume 5, Issue 11, November 2019

## Research Publication in International Conference

**Dr. Milind Kirkire and Prof. Gayatri Abhyankar**

Structural Equation Modelling (SEM) of Success Factors for Medical Device Development (2019). 5th International conference on Industrial Engineering (ICIE19), S V National Institute of Technology, Surat, Gujarat, India.(Dec. 12-14 2019)2.

**Prof. M L Naik and Dr. Milind Kirkire**

Revisiting Total Productive Maintenance (TPM) from applications of modelling tools perspective (2019). 5th International conference on Industrial Engineering (ICIE19), S V National Institute of Technology, Surat, Gujarat, India.(Dec. 12-14 2019)

**A. M. Date**, "Capillary tube flow characterization of a transcritical CO<sub>2</sub> cycle using separated two-phase flow model" International Conference on Recent Advancement in Air-conditioning and Refrigeration: RAAR 2019, C. V. Raman College of Engineering, Bhubaneswar, Odisha, India, 28th to 30th November 2019

**A. M. Date**, "Heat Transfer Analysis of a Clay-Pot Refrigerator Adopting Curvature Effect" International Conference on Recent Advancement in Air-conditioning and Refrigeration: RAAR 2019, C. V. Raman College of Engineering, Bhubaneswar, Odisha, India, 28th to 30th November 2019

## Reviewer in International Journal

**Dr. Milind Kirkire**

- ♦ European Journal of Industrial Engineering (Inderscience)
- ♦ Journal of Industrial Engineering International (Springer)
- ♦ Benchmarking: An International Journal (Emerald)
- ♦ International Journal of System Assurance Engineering and Management (Springer)
- ♦ Journal of Modelling in Management (Emerald)
- ♦ International Journal of Business Excellence (Inderscience)
- ♦ International Journal of Industrial and Systems Engineering (Inderscience)

**Prof V. V. Nagale**

- ♦ International Journal of System Assurance Engineering and Management (Springer)



# FACULTY ACHIEVEMENTS

## Expert Sessions Delivered

### **Dr. Milind Kirkire**

Delivered an invited expert session on **Maintenance 4.0** in **AICTE- ISTE approved one week refresher course on “Cognizance of Industry 4.0 towards implementation and security”** on 31st Dec 2019 at **K J Somaiya College of Engineering, Mumbai.**

## Session Chair

### **Dr. Milind Kirkire**

Chaired a technical session on **Quality Engineering and Management** during **5th International conference on Industrial Engineering (ICIE 2019)** organised by **SV National Institute of Technology, Surat** during 12th-14th December 2019.

## Other Contribution

### **Dr. Milind Kirkire**

Serving as Member, Research Advisory Committee in Mechanical Engineering Department at Pillai College of Engineering, Panvel (University of Mumbai)

# NEWS CLIPPINGS

**Student Branch Advisor of the Year Award (2019) to Prof. Hemant Chavan by ASHRAE**

**Success of Mr. Samarth Shinde in International Conference**

**'फिनोलेक्स'चे प्रा. हेमंत चव्हाण यांना असाधारण योगदानासाठी प्रशंसा पुरस्कार**

रत्नागिरी / वार्ताहर : फिनोलेक्स अँकॅडमी ऑफ मॅनेजमेंट अँड टेक्नोलॉजी, रत्नागिरी या अभियांत्रिकी महाविद्यालयाचे प्रा. हेमंत चव्हाण यांना विद्यार्थी शाखा अध्यक्ष म्हणून त्यांच्या असाधारण योगदानासाठी प्रशंसा पुरस्कार प्राप्त झाला आहे. हा पुरस्कार अमेरिकन सोसायटी ऑफ हीटिंग, रिफ्रिजिंग अँड एअरकंडीशनिंग इंजिनियर्सच्या मुंबई ब्रंचद्वारे प्रदान करण्यात आला.

प्रा. हेमंत चव्हाण हे फिनोलेक्स अँकॅडमीच्या मेकॅनिकल इंजिनिअर विभागामध्ये सहाय्यक प्राध्यापक आहेत. तसेच ते अमेरिकन सोसायटी ऑफ हीटिंग, रिफ्रिजिंग अँड एअरकंडीशनिंग इंजिनियर्सच्या अँकॅडमीतील विद्यार्थी शाखेचे अध्यक्ष आहेत. फिनोलेक्स महाविद्यालयातील विद्यार्थी शाखा हि मुंबई विभागातील एशिया शाखेसोबत आहे. विद्यार्थी शाखा असलेले फिनोलेक्स अँकॅडमी हे महाविद्यालय आयआयटी मुंबईनंतरचे मुंबई व कोकणातील एकमेव महाविद्यालय आहे.

या आंतरराष्ट्रीय विद्यार्थी शाखेचा उद्देशा कायमचा ज्ञान विद्यार्थ्यांना एअरकंडीशनिंग क्षेत्रात मार्गदर्शन करून राष्ट्रीय स्तरावरील अंतरराष्ट्रीय स्तरावर नोकरीच्या संधी उपलब्ध करून देणे, तसेच विद्यार्थ्यांमध्ये सामाजिक उत्कृष्टता आणणे, हा विद्यार्थी शाखेचे सर्व कामकाज आहे.

समर्थ हा फिनोलेक्स अँकॅडमीच्या मेकॅनिकल इंजिनिअर विभागामधील द्वितीय वर्षाचा विद्यार्थी आहे. अमेरिकन सोसायटी ऑफ हीटिंग, रिफ्रिजिंग अँड एअरकंडीशनिंग इंजिनियर्सच्या अँकॅडमीतील विद्यार्थी शाखेच्या अध्यक्षपदी त्यांनी युवा महोत्सवाच्या प्राथमिक फेरीत सहित्य, ललित आणि कला सादरीकरण अशा १५ वेगवेगळ्या कार्यक्रमांमध्ये भाग घेतला. हे विद्यार्थी आता मुंबई येथे होणाऱ्या विद्यार्थीवृत्तसंस्थेच्या सहाय्यक प्राध्यापकांच्या समितीमध्ये सहभागी होतील.

फिनोलेक्सच्या युवक विद्यार्थ्यांनी यश संपादन केले. समर्थ शिंदे (वक्तृत्व - ब गट - प्रथम), निखिल कुळे, समर्थ शिंदे (वादविवाद - ब गट - प्रथम), प्रणव पाटील, संकेत पवार, चिन्मय शेटे, प्रयंशु काशीद, शुभम चव्हाण, तनुजा महाडिक, अर्पणा लागवकर, मुस्मिता कदम, प्रतीक्षा पोरे, अजय पंडित, पार्थ सावंत, आदित्या वराडकर (एकांकिका - अ गट - प्रथम), प्रणव पाटील, संकेत पवार, शुभम चव्हाण, तनुजा महाडिक, अर्पणा लागवकर, आदित्या वराडकर (मिस्ट - अ गट - प्रथम), प्रणव पाटील, संकेत पवार, चिन्मय शेटे, प्रयंशु काशीद, शुभम चव्हाण, तनुजा महाडिक, अर्पणा लागवकर, मुस्मिता कदम, प्रतीक्षा पोरे, अजय पंडित (मुकाभिनय - अ गट - प्रथम), चिन्मय शेटे (कथाकथन - ब गट द्वितीय), रिडी दिवे, पूर्वा घाग, साक्षी डावे, यमश्री कदम, ऋतुजा जाधे, निशिता पडवळ, रिडी इंदुलकर, मन्ना मेनन, सायली पाळंदे, श्रेया बोर्डेकर, ऋतुजा नांदिवडेकर (लोकनृत्य द्वितीय), अश्विनी वैद्य (कथाकथन - अ गट तृतीय).

**समर्थ शिंदे याचे आंतरराष्ट्रीय परिषदेत यश फिनोलेक्स अँकॅडमीचा विद्यार्थी; पर्यावरण हानीवर शोधनिबंध**

रत्नागिरी, ता. १४ : फिनोलेक्स अँकॅडमीतील समर्थ अश्विनाश शिंदे यांनी अमेरिकन सोसायटी ऑफ हीटिंग, रिफ्रिजिंग अँड एअरकंडीशनिंग इंजिनियर्सच्या मुंबई ब्रंचद्वारे प्रदान झाल्या असलेल्या असाधारण योगदानासाठी प्रशंसा पुरस्कार प्राप्त झाला आहे. हा पुरस्कार अमेरिकन सोसायटी ऑफ हीटिंग, रिफ्रिजिंग अँड एअरकंडीशनिंग इंजिनियर्सच्या मुंबई ब्रंचद्वारे प्रदान करण्यात आला.

प्रा. हेमंत चव्हाण हे फिनोलेक्स अँकॅडमीच्या मेकॅनिकल इंजिनिअर विभागामध्ये सहाय्यक प्राध्यापक आहेत. तसेच ते अमेरिकन सोसायटी ऑफ हीटिंग, रिफ्रिजिंग अँड एअरकंडीशनिंग इंजिनियर्सच्या अँकॅडमीतील विद्यार्थी शाखेचे अध्यक्ष आहेत. फिनोलेक्स महाविद्यालयातील विद्यार्थी शाखा हि मुंबई विभागातील एशिया शाखेसोबत आहे. विद्यार्थी शाखा असलेले फिनोलेक्स अँकॅडमी हे महाविद्यालय आयआयटी मुंबईनंतरचे मुंबई व कोकणातील एकमेव महाविद्यालय आहे.

या आंतरराष्ट्रीय विद्यार्थी शाखेचा उद्देशा कायमचा ज्ञान विद्यार्थ्यांना एअरकंडीशनिंग क्षेत्रात मार्गदर्शन करून राष्ट्रीय स्तरावरील अंतरराष्ट्रीय स्तरावर नोकरीच्या संधी उपलब्ध करून देणे, तसेच विद्यार्थ्यांमध्ये सामाजिक उत्कृष्टता आणणे, हा विद्यार्थी शाखेचे सर्व कामकाज आहे.

समर्थ हा फिनोलेक्स अँकॅडमीच्या मेकॅनिकल इंजिनिअर विभागामधील द्वितीय वर्षाचा विद्यार्थी आहे. अमेरिकन सोसायटी ऑफ हीटिंग, रिफ्रिजिंग अँड एअरकंडीशनिंग इंजिनियर्सच्या अँकॅडमीतील विद्यार्थी शाखेच्या अध्यक्षपदी त्यांनी युवा महोत्सवाच्या प्राथमिक फेरीत सहित्य, ललित आणि कला सादरीकरण अशा १५ वेगवेगळ्या कार्यक्रमांमध्ये भाग घेतला. हे विद्यार्थी आता मुंबई येथे होणाऱ्या विद्यार्थीवृत्तसंस्थेच्या सहाय्यक प्राध्यापकांच्या समितीमध्ये सहभागी होतील.

फिनोलेक्सच्या युवक विद्यार्थ्यांनी यश संपादन केले. समर्थ शिंदे (वक्तृत्व - ब गट - प्रथम), निखिल कुळे, समर्थ शिंदे (वादविवाद - ब गट - प्रथम), प्रणव पाटील, संकेत पवार, चिन्मय शेटे, प्रयंशु काशीद, शुभम चव्हाण, तनुजा महाडिक, अर्पणा लागवकर, मुस्मिता कदम, प्रतीक्षा पोरे, अजय पंडित, पार्थ सावंत, आदित्या वराडकर (एकांकिका - अ गट - प्रथम), प्रणव पाटील, संकेत पवार, शुभम चव्हाण, तनुजा महाडिक, अर्पणा लागवकर, आदित्या वराडकर (मिस्ट - अ गट - प्रथम), प्रणव पाटील, संकेत पवार, चिन्मय शेटे, प्रयंशु काशीद, शुभम चव्हाण, तनुजा महाडिक, अर्पणा लागवकर, मुस्मिता कदम, प्रतीक्षा पोरे, अजय पंडित (मुकाभिनय - अ गट - प्रथम), चिन्मय शेटे (कथाकथन - ब गट द्वितीय), रिडी दिवे, पूर्वा घाग, साक्षी डावे, यमश्री कदम, ऋतुजा जाधे, निशिता पडवळ, रिडी इंदुलकर, मन्ना मेनन, सायली पाळंदे, श्रेया बोर्डेकर, ऋतुजा नांदिवडेकर (लोकनृत्य द्वितीय), अश्विनी वैद्य (कथाकथन - अ गट तृतीय).

**Success of Finolex Academy's Team Matador at National Level**

**फिनोलेक्स अँकॅडमीच्या टीम मॅटाडोअर्सचे राष्ट्रीय पातळीवर यश**

रत्नागिरी / वार्ताहर : फिनोलेक्स अँकॅडमी ऑफ मॅनेजमेंट अँड टेक्नोलॉजी, रत्नागिरी या अभियांत्रिकी महाविद्यालयाच्या मेकॅनिकल इंजिनिअर विभागातील विद्यार्थ्यांच्या टीमने (टीम मॅटाडोअर्स) भारत फॉर्मूला नॅशनल कार्टिंग चॅम्पियनशीप स्पर्धेत द्वितीय क्रमांक पटकावून राष्ट्रीय पातळीवर पुन्हा एकदा घवघवीत यश संपादन केले आहे. ही स्पर्धा कोईम्बतूर (तामिळनाडू) येथे नुकतीच पार पडली.

या रेसिंग चॅम्पियनशीपला फॉर्मूला १ रेसिंगचे बेसिक मॉडेल म्हणून ओळखले जाते. गाड्यांची गुणवत्ता त्यांच्या डिझाईन, ब्रेक टेस्ट, अक्सलरेशन टेस्ट, स्किडपॅड, एन्ड्युरन्स, ड्रिग रेस अशा वेगवेगळ्या स्टॅटिक्स आणि डायनॅमिक चाचण्यांद्वारे तपासण्यात येते. फिनोलेक्स अँकॅडमीच्या विद्यार्थ्यांनी बनवलेली ही इलेक्ट्रिक कार उत्तम अर्थोत्प्रेरक, अरगोनामिक्स व ड्रायव्हर रिकलस यामुळे सर्वांचे आकर्षण ठरली. ही कार्ट स्किड पॅड आणि ऑटोक्रॉस या फिन्सामध्ये अव्वल ठरली. या यशाबद्दल टीम मॅटाडोअर्सला सुमारे ३८ हजार रुपयांचे पारितोषिक व प्रमाणपत्र देऊन गौरवण्यात आले.

या स्पर्धेमध्ये भारतातून अनेक संघांनी सहभाग घेतला होता. सर्व रेसिंग कार्ट बनवण्यासाठी महाविद्यालयाच्या मेकॅनिकल विभागाचे प्रमुख डॉ. मिलिंद किरकर, डॉ. मिलिंद यादव, टीमचे फॅकल्टी अँडकायडर प्रा. व्ही. मुरली मोहन व प्रा. अमर येकणी यांचे बहुमोल मार्गदर्शन लाभले. राजेश भोसले, राजेंद्र जोकर, अश्विनाश शिंगायात, दीपक मेरेशी यांनी ही कार्ट बनवण्यात सहकार्य केले.

ही कार्ट बनवण्यासाठी टीम कॅप्टन प्रथमेश राहाटे, टीम उपकॅप्टन कुशल चौधरी, अधिकार बोन्ने, कुणाल पाटील, साहिल बंडबे, प्रणील तारे, अनिकेत परब, राहुल पडवळ व इतर विद्यार्थ्यांनी खूप मेहनत घेतली. या यशाबद्दल फिनोलेक्स अँकॅडमीचे प्राचार्य डॉ. कौशल प्रसाद, तसेच शिक्षक व शिक्षकेतर कर्मचारी यांनी संपूर्ण टीमचे अभिनंदन केले आहे.

**Success in 52nd Youth Festival of University of Mumbai**

**फिनोलेक्सच्या विद्यार्थ्यांचे यश**

रत्नागिरी, ता. १६ : अजय येथील राजेंद्र यांनी कॉलेजमध्ये मुंबई विद्यापीठाच्या ५२ व्या युवा महोत्सवाच्या विभागीय फेरीत फिनोलेक्स अँकॅडमी ऑफ मॅनेजमेंट अँड टेक्नोलॉजीच्या विद्यार्थ्यांनी आठ फलप्रकारांमध्ये यश संपादन केले आहे. फिनोलेक्स अँकॅडमीच्या विद्यार्थ्यांनी युवा महोत्सवाच्या प्राथमिक फेरीत सहित्य, ललित आणि कला सादरीकरण अशा १५ वेगवेगळ्या कार्यक्रमांमध्ये भाग घेतला. हे विद्यार्थी आता मुंबई येथे होणाऱ्या विद्यार्थीवृत्तसंस्थेच्या सहाय्यक प्राध्यापकांच्या समितीमध्ये सहभागी होतील.

फिनोलेक्सच्या युवक विद्यार्थ्यांनी यश संपादन केले. समर्थ शिंदे (वक्तृत्व - ब गट - प्रथम), निखिल कुळे, समर्थ शिंदे (वादविवाद - ब गट - प्रथम), प्रणव पाटील, संकेत पवार, चिन्मय शेटे, प्रयंशु काशीद, शुभम चव्हाण, तनुजा महाडिक, अर्पणा लागवकर, मुस्मिता कदम, प्रतीक्षा पोरे, अजय पंडित, पार्थ सावंत, आदित्या वराडकर (एकांकिका - अ गट - प्रथम), प्रणव पाटील, संकेत पवार, शुभम चव्हाण, तनुजा महाडिक, अर्पणा लागवकर, आदित्या वराडकर (मिस्ट - अ गट - प्रथम), प्रणव पाटील, संकेत पवार, चिन्मय शेटे, प्रयंशु काशीद, शुभम चव्हाण, तनुजा महाडिक, अर्पणा लागवकर, मुस्मिता कदम, प्रतीक्षा पोरे, अजय पंडित (मुकाभिनय - अ गट - प्रथम), चिन्मय शेटे (कथाकथन - ब गट द्वितीय), रिडी दिवे, पूर्वा घाग, साक्षी डावे, यमश्री कदम, ऋतुजा जाधे, निशिता पडवळ, रिडी इंदुलकर, मन्ना मेनन, सायली पाळंदे, श्रेया बोर्डेकर, ऋतुजा नांदिवडेकर (लोकनृत्य द्वितीय), अश्विनी वैद्य (कथाकथन - अ गट तृतीय).



## NEWS CLIPPINGS

## Selection of Mechanical Engineering Students in TCS

## Inauguration of GATE Classes

## Eye Check – up camp Organized by MESA



रत्नागिरी : फिनोलेक्स अँकॅडमीमध्ये आयोजित नेत्रतपासणी शिबिरात उपस्थित विद्यार्थी.

## फिनोलेक्स अँकॅडमीमध्ये नेत्रतपासणी शिबिर

रत्नागिरी / काताहर ।

फिनोलेक्स अँकॅडमी ऑफ मॅनेजमेंट अँड टेक्नॉलॉजी हे अभियांत्रिकी महाविद्यालय विद्यार्थ्यांमध्ये आरोग्यविषयक जागृती निर्माण व्हावी. यासाठी नेहमीच वेळेवेळी उपक्रम राबवत असते. मागील महिन्यात सामाजिक बांधिलकीच्या उद्देशाने नुकतेच मेकॅनिकल इंजिनिअरिंग स्टुडंट असोसिएशन (मेस) या विद्यार्थी संघटनेमार्फत रक्तदान शिबिराचे आयोजन करण्यात आले होते.

या रक्तदान शिबिराच्या वरिष्ठी प्रतिस्पर्धानंतर दि. १५ ऑक्टोबर रोजी फिनोलेक्स अँकॅडमीने सकाळ सुप, रत्नागिरी व सायन्स क्लब,

रत्नागिरी यांच्या संयुक्त विद्यमाने विद्यार्थ्यांसाठी 'सोफ्ट नेत्रतपासणी' शिबिराचे आयोजन केले.

या शिबिरामध्ये सुमारे १७० प्रथमवर्ष अभियांत्रिकी विद्यार्थी आणि ६० शिक्षक व कर्मचारीवृंद यांची नेत्रतपासणी करण्यात आली. या नेत्रतपासणी शिबिराला लायन्स क्लबचे नेत्र चिकित्सक डॉ. योगेश पाटील, पतप्रखन कुलकर्णी, राजेश शेळके, राजू चव्हाण, फिनोलेक्स अँकॅडमीचे डीन रिसर्च अँड डेव्हलपमेंट डॉ. शशिकांत गोर्डलकर, डीन अँकॅडमिक्स व मेकॅनिकल इंजिनिअरिंग विभाग प्रमुख डॉ. मिलिंद किराकर हे उपस्थित होते.

# फिनोलेक्स अँकॅडमीमध्ये गेट प्रशिक्षण वर्ग सुरु

**रत्नागिरी :-** होप फाऊंडेशन संचालित फिनोलेक्स अँकॅडमी ऑफ मॅनेजमेंट अँड टेक्नॉलॉजी रत्नागिरी या संस्थेने ३५० तासांचे गेट प्रशिक्षण वर्ग सुरु केले आहेत.

अभियांत्रिकी विद्यार्थ्यांना पदव्युत्तर पदवी प्राप्त करण्यासाठी ग्रॅज्युएट अँप्टीट्युड टेस्ट इन इंजिनिअरिंग (GATE) ही प्रवेश परीक्षा देणे अनिवार्य असते. या परिक्षेत मिळणाऱ्या गुणांवरच भारतच सरकारच्या बीपीसीएल, एचपीसीएल, इंडियन ऑईल, एनटीपीसी, ओएनजीसी इत्यादि कंपन्यांमध्ये नोकरीच्या संधी उपलब्ध होतात. म्हणूनच फिनोलेक्स अँकॅडमीने इम्पीरीयल इन्स्टीट्यूट ऑफ

एक्सलन्स या संस्थेशी सामंजस्य करार करून या संस्थेच्या तज्ञ आणि अनुभवी प्राध्यापक वर्गामार्फत विद्यार्थ्यांना प्रशिक्षण दिले जात आहे.

असे प्रशिक्षण सुरु करणारी फिनोलेक्स अँकॅडमी ही संपूर्ण कोकणातील एकमेव अँकॅडमी आहे. या प्रशिक्षणाचा लाभ कोकणातील इतर अभियांत्रिकी महाविद्यालयातील विद्यार्थी सुद्धा घेत आहेत. हे प्रशिक्षण वर्ग सुरु करण्यासाठी श्री.शोधन मयेकर, महादेव नाईक, श्री.प्रतिक कांबळे, श्री.गिरीष पंडित यांनी विशेष मेहनत घेतली. यासाठी त्यांना प्राचार्य डॉ.कौशल प्रसाद, डीन डॉ.मिलिंद किरकिरे, डॉ.मिलिंद यादव, रजिस्ट्रार गजानन तारणावकर यांचे मार्गदर्शन लाभले.