MECHAZINE

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Department Vision

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

Department 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 (PSOs)

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 automation solutions to manufacturing and process industries.

Highlights of Department

♦ Intake BE : 120, ME (Machine Design):18
♦ Total 560 students on roll
♦ 30 Highly qualified faculty members from institutes like IIT, NIT, VJTI, etc.
♦ Post graduate course (ME Mechanical with specialization in Machine Design)
♦ 16 Spacious and state of the art laboratories
♦ Departmental library facility
♦ Advanced licensed software’s like ANSYS, CATIA, Autodesk Inventor, Ideas, Solid Works, Cam Works
♦ Departmental computing facility with 80 computers
♦ SAE, ISHRAE, ASHRAE, ASME and FSAI student chapters
♦ ICT class rooms
♦ GATE forum
♦ Industry tie-ups for training, projects, internships and industrial visits of students
FAMT ISHRAE Students' Chapter of Department of Mechanical Engineering organized an orientation program on Indian Society of Heating, Refrigerating and Air conditioning (ISHRAE) student Chapter and its Benefits to Engineering students in HVAC Field on 26th July 2018. This program was organized for all Mechanical Engineering students of FAMT.

The department of Mechanical Engineering established Indian Society of Heating Refrigeration and Air Conditioning Engineers (ISHRAE) Students Chapter for the society year 2018-19 on 27th July, 2018. Mr. Nandkumar Mahajan President ISHRAE Thane Chapter highlighted the role of ISHRAE to explore the leadership qualities among students. Mr. Manish Gulalkari elaborated the role, activities, programs, facilities, collaborations and certification courses of ISHRAE and emphasized on benefits for students members and the institute on being a part of this vibrant society.

The department of Mechanical Engineering arranged a Seminar on GATE Awareness on 25th August, 2018. Mr. Sanjeev Chavan and Mr. Bharat Chaudhari (Both from T.I.M.E. group) were the resource persons. The seminar included the importance of GATE, historical result analysis of GATE, Strategies for preparation & time management while preparing and writing the exam. T.I.M.E group proposed to extend the facilities to students for on campus GATE coaching. Total 86 students were present for the seminar.
The Department of Mechanical Engineering conducted a Value Added Course on “SolidWorks-Basics” (40 hours) from 25th August to 6th September 2018 for the students of Second year, Third year & Final Year Mechanical Engineering.

Prof G D Pandit Delivering the session

The student members of ASHRAE Student Chapter of the Department of Mechanical Engineering organized Group Discussion on Green Building on 29th August, 2018 in presence of Mr. Shankar Sapaliga, President ASHRAE Mumbai Chapter, Mrs. Roshini Easow, Chapter Historian and Mr. Sandeep Shinde, Student Activity Chair.

Participation of ASHRAE Ratnagiri chapter student members

The Department of Mechanical Engineering conducted a guest lecture on “Falcon 9 Software” on 23rd August, 2018 for the students of Final year Mechanical Engineering. Mr. Shashikant Bidwai, CAD-CAM Guru, Pune conducted the session. Mr. Shashikant Bidwai introduced Falcon 9 and explained relevance of CAD-CAM tools in Falcon 9. He also explained importance of Falcon 9 software in latest design procedures followed by the industry.

Mr.Shashikant Bidwai addressing the students
The Department of Mechanical Engineering, organized a session on "Introduction to CAT and IIM Procedures on 1st October 2018. The session was specially planned for third year Engineering students of the department, to guide them for entrance test of CAT to secure admission in IIMs. Mr. Pratik Barve, alumnus of FAMT and presently is studying MBA in IIM Bengaluru, was the guest speaker for the session. The guest speaker Mr. Pratik Barve shared his excellent experiences related to CAT and IIM procedures.

The Department of Mechanical Engineering conducted a two days Workshop on “IoT Using Arduino” from 6th to 7th October, 2018 for the students of Third year & Final Year Mechanical Engineering. The workshop was organized in association with Skyfi Labs, Bangalore with an objective of delivering content beyond syllabus in interdisciplinary stream. Mr. Tej Kumar Saka, Skyfi Labs, Banglore was the resource person for this workshop.

The Department of Mechanical Engineering organized an Expert Lecture on “Advanced Tool Design” on 13th October, 2018 for the students of third year Mechanical Engineering. During his talk, Mr. Dhairyashil Mohite enlightened the students about the importance, applications and opportunities in context with Tool Design and cutting Technology.
FAMT student chapter organised Job junction online test for the final year student, members from FAMT and GIT on 27th October 2018

An orientation program on Fire & Security Association of India (FSAI) student Chapter and its benefits to an engineering students in the morning session on 2nd August, 2018 by Mr. Milind Rane.

A seminar on Role of Youth in making Surakshit Bharat in association with Fire & Security Association of India (FSAI) at Mechanical Engineering Dept. of FAMT in the afternoon on 2nd August, 2018 by Mr. Rajesh Shirke

The department of Mechanical Engineering organized a Mockdrill training session program in Fire and safety association with Fire and Security Association of India (FSAI) on 2nd August, 2018.
FSAI Mumbai Chapter organized student chapter installation ceremony at Finolex Academy of Management and Technology, Ratnagiri on 1st September 2018

A Motivational seminar on Enthusiasm is everything was organised on 1st September 2018. The seminar was delivered by Mr. C. K. Asher

Seminar on safety and security – Rishta wohi par Soch nayi was organised on 1st November 2018. The seminar was delivered by Mr. Rajesh Shirke

Seminar on Importance on learning activities in engineering curriculum was organised on 1st September 2018. The seminar was delivered by Dr. Surendra Rathod, Dean SPIT.
An industrial visit was organised by the Department of Mechanical Engineering, FAMT, Ratnagiri, to ZECO Aircon Limited, Atgaon, Thane for Third year Mechanical Engineering ISHRAE student members on 6th October 2018

An industrial visit was organised to V Oak Engineering Limited, Thane for Third year Mechanical Engineering ISHRAE student members on 6th October 2018

An industrial visit was organised to Caryaire Equipments India Private Limited, Thane for Third year Mechanical Engineering ISHRAE student members on 6th October 2018
FAMT celebrated World Population Day on 11th July, 2018. A program was organized by Department of Mechanical Engineering for students, faculty and staff members. World Population Day is observed to raise awareness on the global population issues since 1989.

FAMT ISHRAE Students' Chapter of Department of Mechanical Engineering organized a Seminar on Importance of Blood Platelets Donation on 27th July, 2018. This program was organized for all Mechanical Engineering students of FAMT and was attended by 302 students. Mr. Manish Gulalkari, Student Activity Chair ISHRAE Thane Chapter, guided the students on platelet donation and its importance. They were also briefed about the medical procedure for the collection of platelet through machine. The seminar ended with an appeal to donate platelet.
FAMT ISHRAE Students' Chapter organized K12 STEM (Science, Technology, Engineering Mathematics) program on Science for All for the students of standard 1st to 7th at Z.P. Purn Prathamik Kendra Shala No.01 in association with ISHRAE Thane Chapter on 27th July, 2018. It was based on the concept of that everyone needs to use the scientific information to make choices that arise every day. Everyone should be able to engage intelligently in public discourse and debate about important issues of science and technology. Everyone deserves to share in the excitement and personal fulfillment that can come from understanding and learning about the natural world. ISHRAE THANE Chapter Office Bearers - Mr. Nanadkumar Mahajan (President); Mr. Manish Gulalkari(Student activity Chair); Ms. Hemlata Patil, Ms. Sarita Mishra ISHRAE K12 Chair, Mr. Rahul Soni, Mr. Raj shah (ISHRAE CWC members) also participated in the distribution of stationary items to the participants from the school.

The Mechanical Engineering Students Association (MESA) in association with Department of Life Long Learning & Extension (DLLE) organized Book Fair on 31st August to 8th September, 2018. The purpose of the book fair was to make available old books for the students of academy at affordable price. It was helpful for the students who cannot afford to purchase new books from the market. Around 229 books were collected and put on sale during the fair.
Mechanical Engineering Students Association [MESA] celebrated this Raksha Bandhan with Ek Rakhi Sainikasathi on 25th August, 2018. It received a huge response from the students of FAMT as well as the students from other institutes.

Rakhi and Thank you letter for soldiers

On occasion of celebration of 150th birth anniversary of Mahatma Gandhi, The Student chapters - ISHRAE, ASHRAE, FSAI, ASME of FAMT organized a Beach Cleaning Campaign at Mandavi on Monday, 24th September, 2018 in association with Ratnagiri Municipality. Around 130 student members of FAMT Student chapters were present for cleaning of the beach, day after Ganesh Visarjan.

FAMT ISHRAE, ASHRAE AND FSAI student members along with student chapter faculty advisor Prof H V Chavan and Prof A M Date
Mechanical Engineering Students Association [MESA] Organized ONLINE PAN Card Drive from 9th to 11th October 2018 in association with Indian Society of Heating Refrigerating and Air Conditioning Engineers [ISHRAE].
The Drive received a huge response from the students. Approximately 50 students benefited from this drive and successfully registered for their PAN card.

FAMT ASHRAE student chapter of the Department of Mechanical Engineering of Finolex Academy of Management and Technology, Ratnagiri organized tree plantation program on 29th August 2018.

Dignitaries during tree plantation
Student’s Achievements

Mr. Rushikesh Govind Dale (B.E. Mechanical) and Mr. Allan Francis Fernandes (T.E. Mechanical) succeeded in two Elocution Competitions. The first competition was a Tahsil level Declamation Contest organized by Neharu Yuwa Kendra, Ratnagiri, at Navnirman College on 29th September, 2018. The second competition was District Level Round of 'Speak for India' competition, organized by 'Times Group' at Gogate-Jogalekar College, Ratnagiri on 5th October, 2018. In the first competition, Rushikesh Dale and Allan Fernandes secured the First and the Third positions respectively and were selected for the next round at District Level. While in the second competition, the same students qualified the District Level round and were selected for the Zonal Round of the competition.

Pratik Kambli, Nikhil Kule, Rahul Kharat of S. E. Mechanical secured 2nd position in the state level Project Presentation Competition on the subject “TOPICS IN MATHEMATICS” held on 6th October 2018 at Gogate Jogalekar College, Ratnagiri.
51st Mumbai University Cultural Youth Festival's Zonal Round Competitions held at Rajendra Mane College of Engineering and Technology, Ambav on 6th August 2018. Following Students secured ranks in various competitions.

1. Ms. Ashwini Yashwant Vaidya (T. E. Mechanical)- 2nd Rank in Story Telling
2. Ms. Rutuja Arun Mirjolkar (B. E. Mechanical) - 2nd Rank in on the Spot Painting
3. Mr. Allan Francis Fernandes and Mr. Saheem Hussain Ambedkar (T. E. Mechanical)- 2nd Rank in Debate
4. Mr. Rushikesh Govind Dale (B. E. Mechanical) - 3rd Rank in Debate

Winners of Youth Festival Zonal Round with Principal Dr. Kaushal Prasad, Prof. Darshana Bapat and Prof. Rahul Kotawdekar
Faculty Achievements

NPTEL Online Certification Courses

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Name of Faculty</th>
<th>Course Name</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Prof. Jayesh S Anavkar</td>
<td>Outcome Base Pedagogic Principles for Effective Teaching</td>
<td>Elite (Amongst 1% Topper)</td>
</tr>
<tr>
<td>2.</td>
<td>Prof. Pranav P Thakur</td>
<td>Outcome Base Pedagogic Principles for Effective Teaching</td>
<td>Elite (Amongst 1% Topper)</td>
</tr>
<tr>
<td>3.</td>
<td>Prof. Abhilasha S. Jadhav</td>
<td>Reinforced Concrete Road Bridges</td>
<td>Elite</td>
</tr>
<tr>
<td>4.</td>
<td>Prof. Sumit S Malusare</td>
<td>Experimental Stress Analysis-An Overview</td>
<td>Successfully completed</td>
</tr>
</tbody>
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Journal Publications

1. Prof. P. R. Kamble published paper entitled as “Effect of dry machining in turning of aluminum 6063T6”, in International Journal of Innovations in Engineering and Technology (IJIET)

Conference Publications

Prof T V Kavatkar published paper entitled “Strength Analysis of Aluminum corrugated wire mesh laminates”, in CTRD 2K-19 RMCET Ambav, Devrukh Ratnagiri
फिनोलेक्स ऑकेडमीच्या विद्याध्यायाचे
विद्यापीठीय परिक्षेत सुयश

सतमान नवान | विश्वाळ गृंटक | अक्षरा पुकालाह | आकाश पुकाल | रघुनाथ होळडेकर

रत्नागिरी : फिनोलेक्स ऑकेडमी अभिभाषित अंदाव्योर ट्रेनिंगमध्ये विद्यार्थ्यांनी विद्यादातांच्या संस्थेच्या साधन २५.२३ व वैराग्यकृत व्यवस्था सुद्धा विद्यालयाला विद्यालयाच्या संस्थेच्या साधन २५.२३ व वैराग्यकृत व्यवस्था सुद्धा विद्यालयाला विद्यादातांनी शिक्षणाची मानमिळावलेली आहेत.

युवा महोत्सवात फिनोलेक्स
ऑकेडमीच्या विद्याध्यायाचे सुयश

रत्नागिरी : फिनोलेक्स ऑकेडमी अभिभाषित अंदाव्योर ट्रेनिंगमध्ये विद्यार्थ्यांनी विद्यालयाला विद्यादातांनी साधन दिले गाविष्याची चुंबकीय योजना ७५ व वैराग्यकृत व्यवस्था साधन केलेली आहे.

युवा महोत्सवात फिनोलेक्स ऑकेडमीच्या विद्याध्यायाचे सुयश
‘फिनोलेक्स’च्या विद्यार्थ्याचे यश

गोणात्याय विद्यापीठकाच्या आयुष्यात व सत्याग्रही महाशिवरात्री भक्तीच्या लृहोपयोगाच्या वाणिज्यकर्मी हे पांडीत देखील विद्यार्थ्यांना स्कूलासह संसारातील विद्यार्थ्यांना गोष्टी दिली. या पांडीतांनी ते सचेत करून दिले की, “या पांडीतांनी तिच्याची अतिम भूमिका खालील म्हणजेच विद्यार्थ्यांना आत्मनिर्भरता देण्याची.”

प्रशिक्षणाच्या विभागात देखील पांडीतांनी समस्या सोडतानेच निर्णय नक्षत्रांमध्ये दिले. त्यानंतर, फिनोलेक्स अंडरग्रांठ ने एक महापरम्परा तपोवनाच्या भूमिका आणि विद्यार्थ्यांना सादर भरता. या विषयात ते हलक्या गांवात सार्थकता दिली. त्या गांवात विद्यार्थ्यांना विशेष आशा व उत्साह दिली जसे, “या पांडीतांनी विद्यार्थ्यांना सादर भरता होते.”

फिनोलेक्स फार्मास्यूटिकल्स इंटरने स्वतंत्रतेचे प्रारंभ केले, निवेदन कृत्ये व रहस्यात निवड केलेल्या तनावाच्या सेवांच्या नांदनीतील विभागात आणि विद्यार्थ्यांना सादर भरता. या पांडीतांनी विद्यार्थ्यांना सादर भरते, जसे विद्यार्थ्यांना सादर भरते, विद्यार्थ्यांना सादर भरते, विद्यार्थ्यांना सादर भरते.