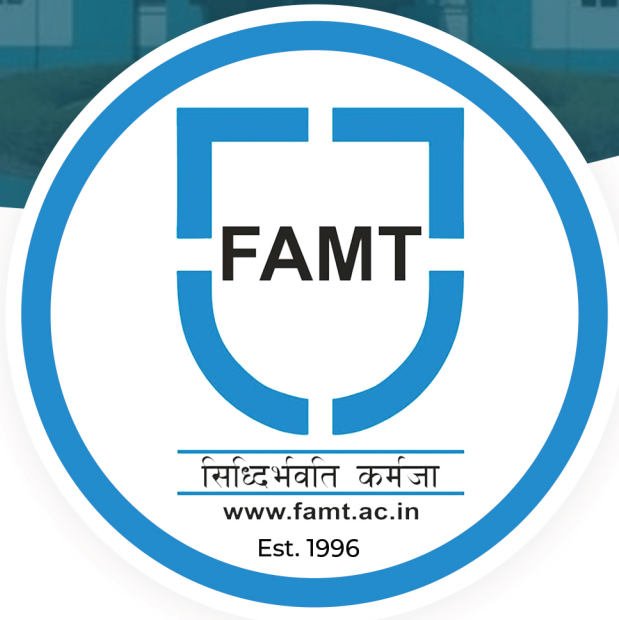


Hope Foundation's

Finolex Academy of Management & Technology, Ratnagiri

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



VERVE

A BIANNUAL E-NEWSLETTER OF FAMT

JULY TO DECEMBER 2021

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

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(A project by Hope Foundation - Finolex)

Dear Readers,

Warm greetings on New Year!

May you find the 11th issue of Verve in well-being and may this new year bring freshness into your life just as a new bloom spreads freshness and fragrance around. Happy New Year 2022 from FAMTians!

The New Year is marked by reflection upon the last year while looking ahead to the future challenges and welcoming new opportunities and hopes. The pandemic opened numerous possibilities and opportunities for the students and faculty. FAMTians well adapted to the change the pandemic demanded - taking teaching-learning, examination and all activities to virtual platforms while exploring a variety of ICT tools.

This semester, FAMT successfully established two Centres of Excellence in Computer Vision and in Computer Aided Product and Automation along with a Project Based Learning Laboratory to offer our students and faculty better learning prospects. Besides, many of our alumni along with industry experts shared their rich experiences and knowledge with our students and faculty. We express our deep gratitude to our alumni and all the expert speakers for their valuable time and guidance. We look forward to your continued support and encouragement.

We wish you once again a blissful and prosperous new year. Please take good care of yourself and your family.

Thank you and stay safe!

Team FAMT

eNewsletter July to December 2021

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Silver Jubilee Celebration

FAMT organized a **Silver Jubilee Celebration and Long Service Award Ceremony** on 29th November in the gracious presence of Mrs. Aruna M. Katara, the President, HOPE Foundation; Dr. Wasudeo Gade, the Vice-President, Vishwakarma University, Pune and Ex-Vice Chancellor, Savitaribai Phule Pune University; Dr. Umesh Patwardhan, the Director and Professor, Vishwakarma University, Pune; and Ms. Amrita M. Katara, the Managing Trustee, HOPE Foundation. Dr. Kaushal Prasad, the Principal, introduced the distinguished guests and extended them a warm welcome on this occasion.

The award ceremony was initiated by Mrs. Aruna M. Katara, the President, to acknowledge the long-term association of FAMT employees and applaud their contributions to FAMT. A total of 134 faculty and staff, who served FAMT for 5/10/15/20/25 years, were felicitated at the hands of the esteemed guests after their inspiring talks.

Mrs. Aruna M. Katara appreciated the staff and faculty on the occasion. She encouraged every individual, associated with FAMT, to achieve the greater goals set for the institute and themselves.



Dr. Wasudeo Gade, the Chief Guest, expressed his views on the significance of research activities for the intellectual development of the faculty and the growth of an institute.



Dr. Umesh Patwardhan, the Guest of Honour, emphasized the role of ethics in professional growth in his address. He strongly propagated that ethics are the real key one should carry while climbing the ladder of success.

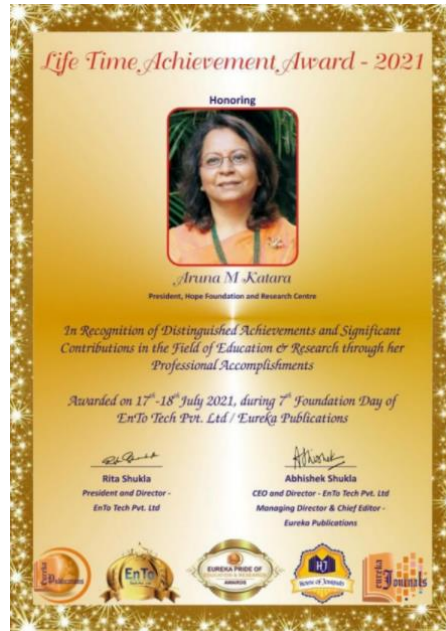


The ceremony was coordinated by Mr. G. D. Targaonkar, the Registrar along with Mr. Nitin Korgaonkar, Dr. M. S. Yadav, and Prof. A. M. Date. The programme was hosted by Prof. V. V. Nimbalkar and Prof. P. A. Potdar.



Achievements

➤ The President, Aruna M Katara was honoured with a **Lifetime Achievement Award 2020-21** by **EnTo Tech Pvt. Ltd.** on 18th July to appreciate her contribution to the fields of education and research.



➤ FAMT received **Most Innovative and Leading Engineering College of the Year 2021**

Maharashtra Award under Quality Education, Infrastructure & Placements Category by National Educational Excellence Awards & Conference 2021 held at Bengaluru on 23rd September.

This flagship educational award conference had more than 250 Institutes/Academicians /Universities/Schools/Colleges under one roof and had presence of the ingenious bureaucrats, global leaders, top CEOs and politicians.



➤ **FAMT Ranked 77th among Top 100 Private Engineering Institutes in India by Outlook- ICARE Professional Survey 2021.** FAMT secured 13th Rank among Private Engineering colleges in Maharashtra and 2nd Rank in Mumbai University. In the konkan region, FAMT is the only institute to secure a place among the Top 100 Engineering Institute Rankings 2021. The OUTLOOK Professional Colleges Survey 2021 was based on the parameters: Academic and Research Excellence, Industry Interface and Placements, Infrastructure and Facilities, Governance, Admissions, Diversity and Outreach.

➤ **FAMT Secured 23rd Rank among all West Zone Private Engineering Colleges in India & 142nd among all Private Engineering Institutes of India** as per the Week Hansa Research Best College Survey & Engineering Rankings 2021. FAMT ranked 5th among Mumbai University institutes. FAMT was placed in the Best Engineering Institute Rankings 2021 on parameters: Institute Profile, Infrastructure, Intellectual Resources, Academic Programmes and Processes, Quality of Students, Placements, Industry Exposure and Extra-Curricular Activities.

➤ FAMT student, Samarth Shinde, B.E. Mechanical student, received the honour to **Represent University of Mumbai at 9th International Tourism Mart** for the North East region organized at Kohima, Nagaland. Ministry of Tourism in association with the Government of Nagaland organized the tourism mart from 27-29th November to promote tourism in the North East India. Under the guidance of Mr. Narendra Modi, the Prime Minister of India, 50 students from the higher education sector participated for the first time in the mart. The Association of Indian Universities selected these 50 students from diverse academic and social backgrounds from different states to experience the beauty of the North East.



➤ Ms. Kavyashree R. Upparakalula, a student of TE IT, was selected as **Microsoft Learn Student Ambassador** under Microsoft's ambitious and prestigious Microsoft Learn Student Ambassadors Program.

The Student Ambassadors get access to unique resources like Global Student Network on Microsoft Teams and a Microsoft 365 account and can earn badges for activities and contributions to unlock additional benefits such as cloud credits.



Microsoft Learn Student Ambassadors Program

➤ Dr. Kaushal Prasad, Principal, Dr. Yogesh Mulye, IQAC Coordinator, and Dr. Vinayak Bharadi, NAAC Coordinator, received **Copyright Approval for Department File System from the Department of Promotion of Industry and Internal Trade, Government of India.**

Department File System is a framework consisting of Documentation Templates and Guidelines for an academic institution. The copyright is registered as Department File System under the Diary number “20292/2021-CO/L” and all commercial rights are with FAMT.



Dr. Kaushal Prasad
Principal



Dr. Yogesh Mulye
IQAC Coordinator



Dr. Vinayak Bharadi
NAAC Coordinator

➤ Pritish P. Dixit, TE Electrical student, **Secured 1st Place in Mumbai University Inter – Collegiate and 11th Place in All India Inter – University Yoga (Men & Women) Competitions 2021-22** held at Kalinga Institute of Industrial Technology (KIIT), Odisha from 25th to 26th December.



Training and Placement Updates

➤ Two weeks of **Soft Skill Training on Corporate Readiness-Life Skills** was held from 2nd to 15th July in association with Global Talent Track and Barclays. Final year students from all branches participated in the training. T&P Team assisted in coordination and monitoring of the training programme.

➤ **A Webinar on e-Learning Opportunities for 21st Century Workplace Skills** was arranged on 3rd July in association with the X Billion Skills Lab. The event helped all BE students to explore the efficient use of e-Learning opportunities.

➤ An **Aptitude Test Training** for BE students of all branches was held from 6th to 18th August. The 40 hours of in-depth aptitude test training meant to guide students in cracking the national level drives viz. TCS, Infosys, Wipro, Atos, LTI and more. T&P Team identified the expert trainers with specialized training contents.

➤ **Rubicon's Lifeskills – Basics Programme** was organised for all TE students of all branches of Engineering and MCA with the support of Barclays to improve the students' employability skills. Rubicon has initiated Tomorrow's Foundation- Connect with Work Programme supported by Barclays. Under this programme, the students were trained by corporate trainers to enhance their life skills which would significantly increase their chances of succeeding in a job interview.

➤ The placements at FAMT started right at the onset of second half of 2021. The efforts of T&P team were appreciated by all as many students performed exceptionally well in various placement drives including national. A total of 197 students grabbed the opportunities in companies like TCS, Infosys and Capgemini this year and yet the trend continues with the same momentum despite the challenges thrown by the pandemic.

Placements in Second Half of 2021			
Company Name	Placements	Company Name	Placements
Flex	24	Accenture	04
VAV Life science	02	Raptakos Brett & Co Ltd	03
Pharma Access	02	Mahindra Susten Pvt. Ltd.	03
Pleximus	03	Ugam Solution	03
Wipro	25	BSC Global	08
Capgemini	24	Cognizant	04
Mahindra TEQO Pvt. Ltd	06	MD Automation & Control Pvt. Ltd	02
TCS	62	Jumbo Exports Pvt Ltd	01
Vertoz	02	L&T Infotech	01
Contexio	01	Dhruv Electricals Pvt Ltd	02
Infosys	08	IBM	01
SFC	2	Kanekar consulting engineers Pvt ltd.	04
Total Placements:			197

Expert Sessions

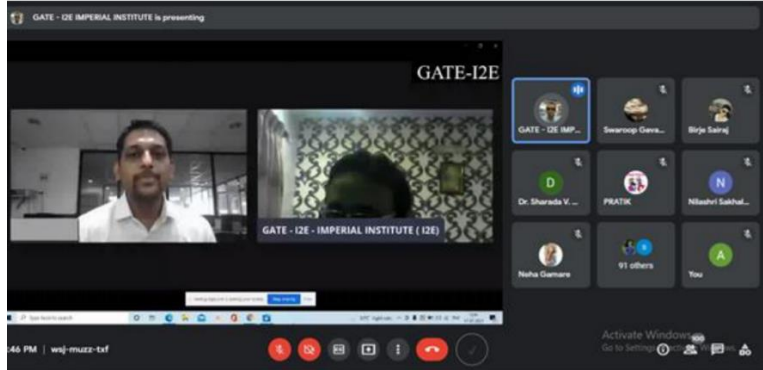
➤ The Department of Mechanical Engineering conducted a six-day **Workshop on IoT Using PYTHON & Arduino** from 7th to 10th and 14th to 16th July for TE and BE Mechanical students. It was conducted by Mr. Pushpashil M. Salunke, Centre Director, PMS Robotics Research



Centre, Pune. Dr. M. S. Kirlore, Dean Academics and HoD emphasized upon the importance of Industry 4.0, IoT and Artificial Intelligence and Machine Learning at the inaugural function. Mr. Pushpashil M. Salunke briefed about the Human-Robot with theory and hands-on practical sessions. The students were jointly certified by Finolex Academy of Management & Technology

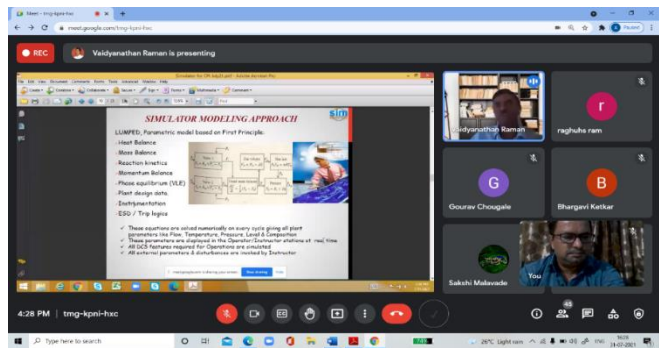
and PMS Robotics Research Centre. Prof. Gayatri J. Abhyankar and Prof. Amar S. Yekne coordinated the workshop.

➤ Department of Electronics and Telecommunication Engineering organized a **Gate Awareness Programme** on 17th July. Mr. Paresh Gugule, Founder and Director-I2E-Imperial Institute, interacted with the students of E&TC, Electronics, Electrical and IT.



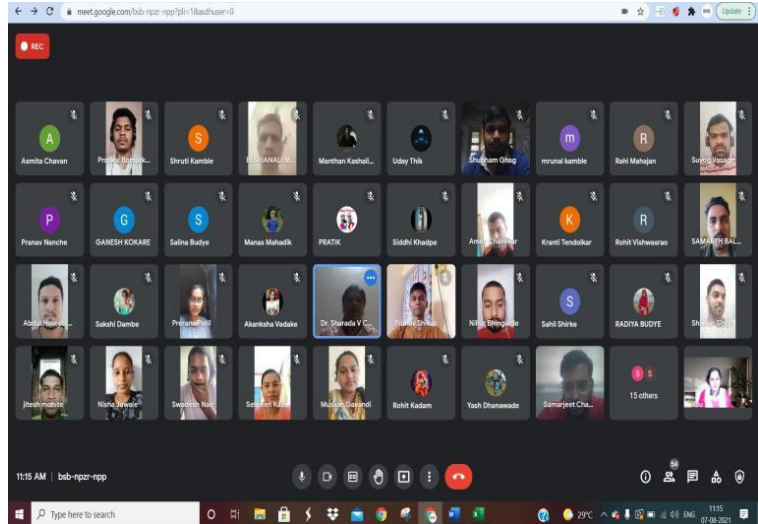
Mr. Paresh Gugule explained the importance of the Gate examination, future opportunities after clearing the Gate examination, key rules, examination pattern, and syllabus to the students.

➤ The Department of Chemical Engineering organized a **Webinar on Applications of Dynamic Simulations in Digital Chemical Processing Industries** on 31st July for TE and BE Chemical Engineering students. Mr. V. Raman was the guest speaker. He is a Promoter and the Chief Executive Officer of SIM Infosystems Pvt. Ltd., a leading

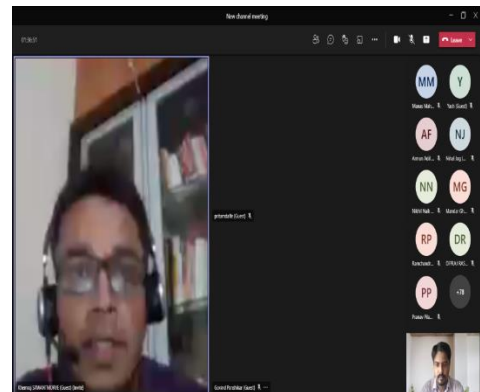


engineering consultancy in Simulation Products and Engineering Services to the Process and Power industries and academic institutes worldwide. Mr. V. Raman introduced and demonstrated the Pro Simulator simulation package to the students during the webinar. The webinar was coordinated by Prof. A. K. Bandsode, Head of Chemical Engineering Department and Mr Raghuraman of SIM Infosystems Pvt. Ltd.

➤ Electronics and Telecommunication Engineering Department organized an **Add-on Course on B.E. Project** for BE E&TC students on 23rd and 31st July, and 7th August. Mr. Samarjeet Chavan, Director, Jeet Fortuneline Pvt. Ltd. Sangli; Dr. S. V. Chougule, HoD; and Prof. V.D. Chavan guided the students on industry-based projects. Prof. R. R. Kulkarni elaborated on how to do a literature survey effectively and write a review paper and full-length paper and prepare an effective Power Point presentation. She also explained the procedure to publish the research work in reputed journals and conferences. Prof. A. A. Chavan demonstrated plagiarism checking and explained the common mistakes in writing project reports.



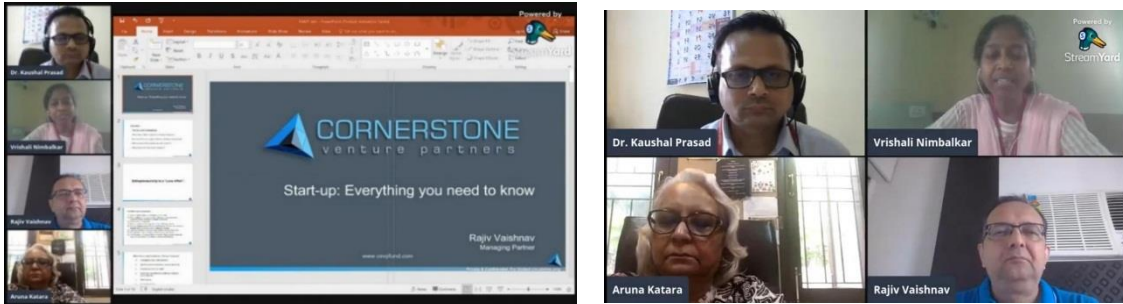
➤ The Department of Mechanical Engineering arranged a **Webinar on Demystifying Analytics for Mechanical Engineering Students**. Mr Khemraj Sawant-Morye, Aircraft Data Analyst- Airbus Bangluru, delivered a session for Mechanical Engineering Studens on 5th August. Mr. Khemraj Sawant-Morye has obtained Masters degree in Mechanical Design and more than 6 years of industry experience. Mr. Khemraj Sawant-Morye, during the session, explained career building opportunities in data science and big data analysis in the manufacturing sector. Prof. R. M. Rasal and Prof. P. R. Kamble coordinated the webinar.



➤ Mr. Rajeev Vaishnav was invited for the first in series of **Expert Lecture on Startup: Everything You Need to Know** on 6th August as a part of FAMT's Silver Jubilee Year Celebration. Mr. Rajeev Vaishnav is an Investment Professional, Entrepreneur and integral member of numerous professional bodies. He has over 40 years of rich experience in building brands, expanding the market share and building organizations from the grass root.

The lecture was live broadcasted on the official FAMT YouTube Channel. Honourable President of HOPE Foundation, Ms. Aruna M. Katara extended a warm welcome to Mr. Rajeev Vaishnav. Dr. Kaushal Prasad, expressed his views about the event. Mr. Rajeev Vaishnav shared his valuable

guidance to the students and faculty members about everything from what is a Start-up to how to establish a Start-up. Speaker also addressed the questions and queries of the students and faculty. The session was hosted by Prof. V. V. Nimbalkar and the technical coordination was extended by Dr. V. A. Bharadi, Prof. M. S. Joshi and Prof. M. L. Naik.

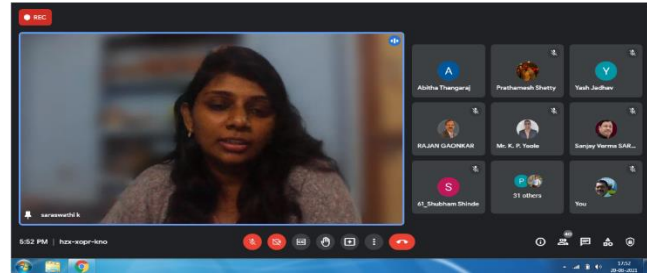


➤ Electronics and Telecommunication Engineering Department held a 5-day **Value-Added Course on Linux for Networking and Server Configuration** from 9th to 13th August. Mr. Ninad Naik, Cross Stack System Software Development Engineer at Intel Corporation, Bengaluru, conducted the course for TE and BE E&TC students. The course offered insights into Linux, Server configuration and Networking. These sessions included theoretical concepts along with the live demonstrations. Prof. Giri S. Kulkarni coordinated the course.

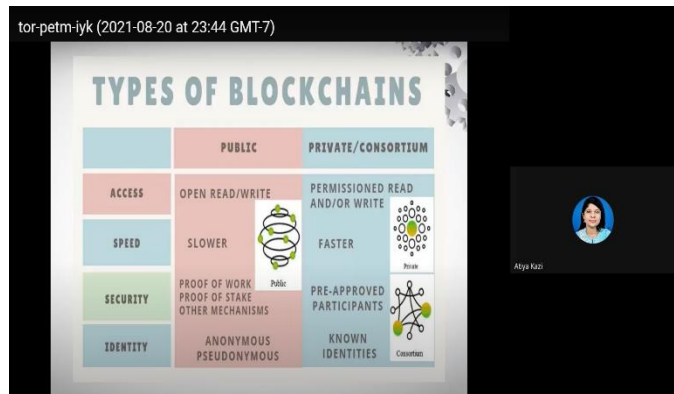


➤ **A Workshop on Introduction to Robotic Process Automation using UiPath** was organized by the Information Technology Department on 15th August. Prof. Amar R. Palwankar, Assistant Professor IT Department, delivered a session for T.E. and B.E IT students. He shared the insights of Robotic Process Automation using UiPath with demonstration of the process to set up the UiPath environment and to develop and deploy basic robots independently using UiPath RPA Platform. The session was initiated by HOD IT, Prof. Dr Vinayak A. Bharadi along with Prof. Ashish B. Vartak as the Workshop coordinator.

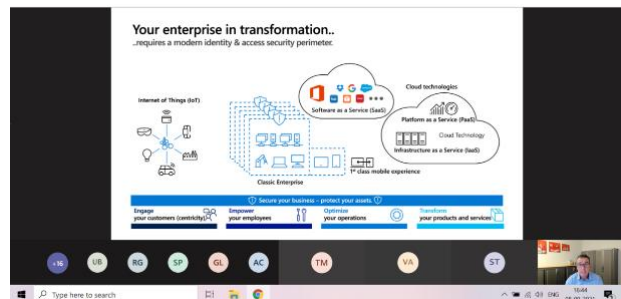
➤ ISHRAE FAMT Students Chapter organized a technical **Talk on the Future of Sustainability** on the occasion of the ISHRAE Student Chapter Installation Ceremony on 20th August. Mrs. Saraswathi Kailasam elaborated the types of Sustainability, effects and appliances, the transition in the sustainable manufacturing industry and its future.



➤ The Information Technology Department conducted a **Course on Blockchain Technology in Network Security** on 21st August. Prof. Atiya R Kazi (IT department) coordinated and conducted the course for TE IT students. The students not only understood how blockchain is an integral part of applications such as cryptocurrency, digital ledgers, and education milestones but were also motivated to integrate blockchain technology into their future projects.

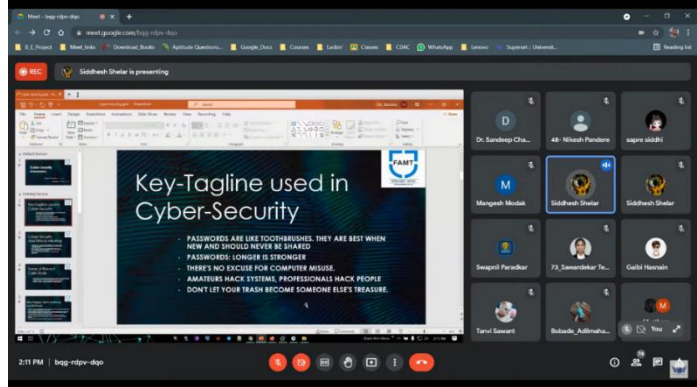


➤ A **Webinar on Microsoft Azure's Security Roundtable for Manufacturing and Retail** was organized by the Information Technology Department in collaboration with Microsoft USA on 8th September for BE IT students. The webinar helped students learn: Transforming from Legacy to Cloud, Microsoft Zero Trust approach, Modern Security Operations combining IT and OT. The session was initiated by HOD IT, Prof. Dr. Vinayak A. Bharadi along with Prof. Atiya Kazi as the event coordinator.



➤ Electrical Engineering Student Association organized a **Webinar on Cyber Security** on 27th

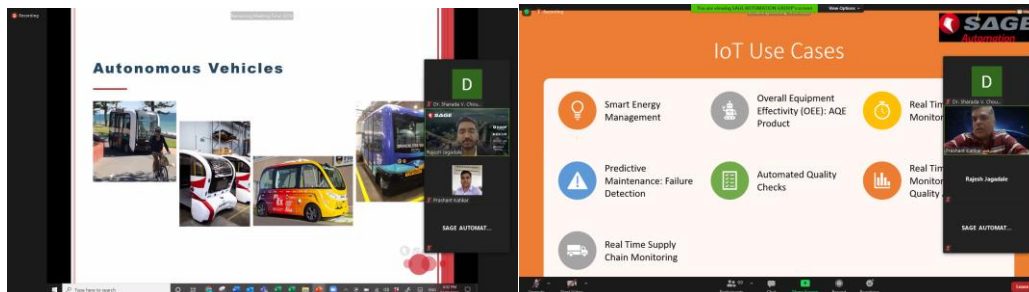
October. Mr. Siddhesh Shelar, a Final Year student of Electrical Engineering Department, conducted the session with a demonstration. He also responded to the queries of the faculty and students satisfactorily during the Q&A session. Mr.



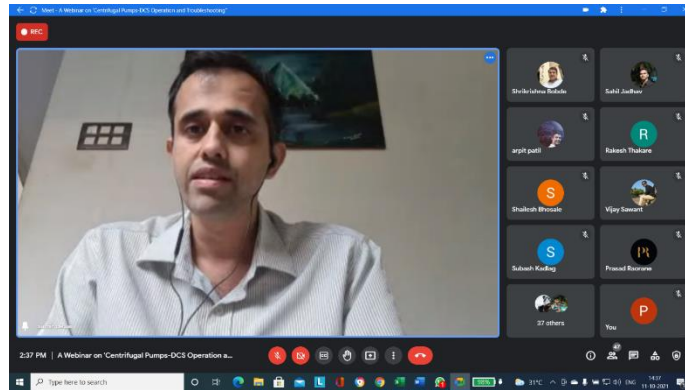
Siddhesh Shelar has many prestigious certifications in Cyber Security and is a Certified Ethical Hacker (CEH) and Offensive Security Certified Professional (OSCP) with six years' experience in Ethical Hacking and Cyber Security.

➤ A **Webinar on Advanced Technologies in Industrial Automation** was organized by Electronics and Telecommunication Engineering Department for E&TC students on 23rd September.

Mr. Prashant Katikar, Chief Strategy Advisor; Mr. Rajesh Jagdale, Managing Director; and Mr. Shreeniwas A. Kulkarni, Center Manager of Sage Automation India, enabled the students to explore trends in IoT and digital manufacturing and process automation. Prof. Rashmi R. Kulkarni and Prof. Asmita A. Chavan were the coordinators.



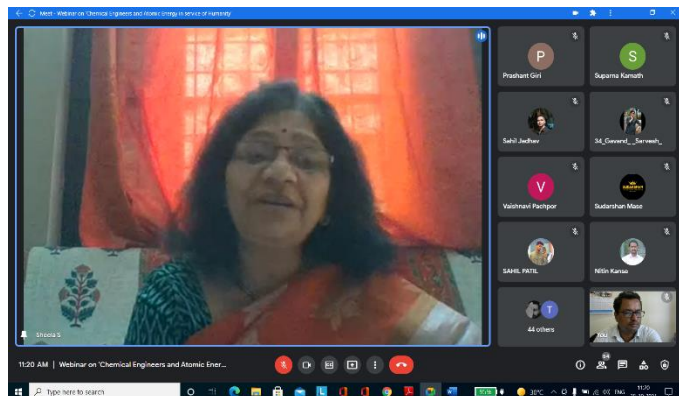
➤ The Department of Chemical Engineering organized a **Webinar on Centrifugal Pumps-DCS Operation and Troubleshooting** on 11th October for Chemical Engineering students. Mr. S. S. Desai, the Senior Production Engineer at Vedanta Cairn India Ltd., discussed the centrifugal pumps DCS operations, importance in a refinery and troubleshooting in detail. The webinar was coordinated by Prof. A. K. Bandsode, Head of Chemical Engineering Department.



➤ A **Webinar on Future in Electronics as an Entrepreneur** was organized by Electronics and Telecommunication Engineering Department in association with IIC, FAMT, on 19th October. Dr. Sharada V. Chougule, delivered the keynote address on the importance of hardware courses. Mr. Sanjay Chaudhari, Director, Electronics Study Center Nashik; B. M. Electronics Nashik, R&D on Core Electronics and Manufacturer, delivered the webinar. The webinar coordinated by Prof. S. S. Goilkar and aimed at inspiring students for entrepreneurship especially with numerous opportunities in the Electronics field.

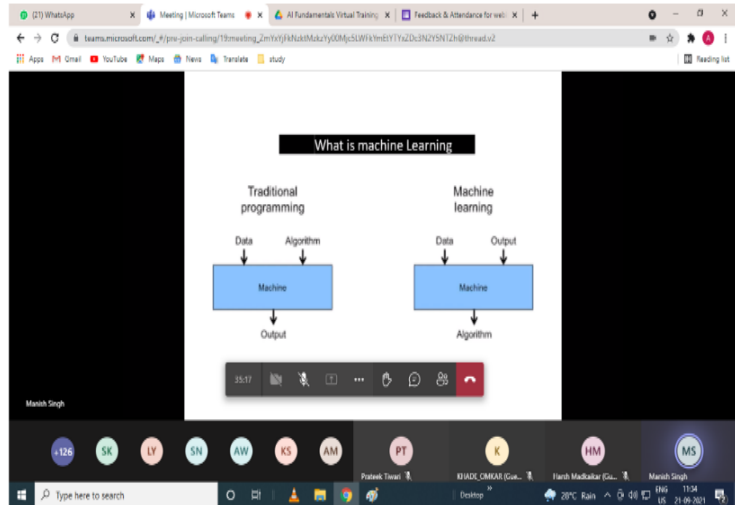
➤ The Department of Chemical Engineering in association with the Indian Women Scientists' Association, Mumbai, organized a **Webinar on Chemical Engineers and Atomic Energy in Service of Humanity** on 25th October.

Dr. Sheela Chaudhary, a Retired Scientist and Chief Executive at Nuclear Fuel Complex, Hyderabad, interacted with the Chemical Engineering students and faculty. She elaborated the role of Chemical Engineers in the nuclear energy application in the service of humanity. She also shared information about the Department of Atomic Energy. Prof. A. K. Bandsode, Head of the Department, coordinated the webinar.



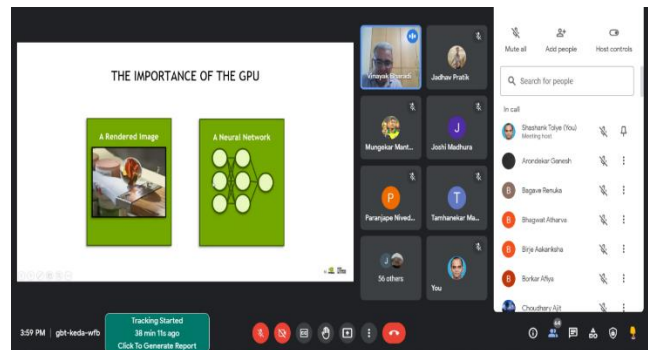
➤ A **Webinar on Machine Learning**

was organized by Information Technology Department on 21st September. Mr. Prateek Tiwari, from ATS Learning Solutions, delivered a session for S.E. and T.E. IT and CSE(AI&ML) students. The students got insights of the career prospects in AI and ML along with essential skill building. Mr. Prateek Tiwari also provided information about Microsoft Machine Learning certifications. The session was coordinated by Prof. Ashish B. Vartak.



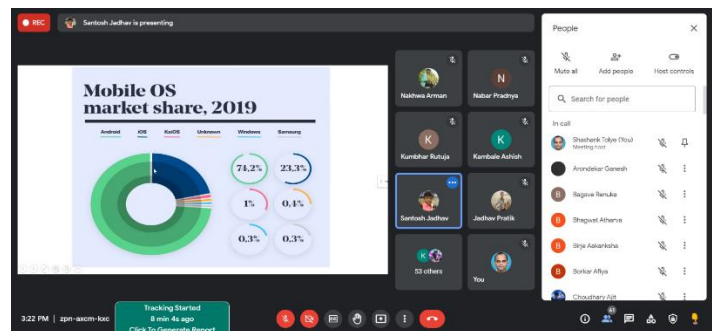
➤ An **Expert Talk on Using NVIDIA Jetson Nano in Deep Learning**

was organized by the Department of Information Technology on 12th October for TE IT students. The talk by Dr. Vinayak A. Bharadi, HOD (IT) provided an overview of Deep Learning, AI and Machine Learning; Role of GPU in Machine Learning and Deep Learning and understanding the NVIDIA Jetson Nano board, its architecture and applications with demonstration. The programme was organized by Prof. Shashank S. Tolye.



➤ An **Expert Talk on Introduction to Mobile Application Development**

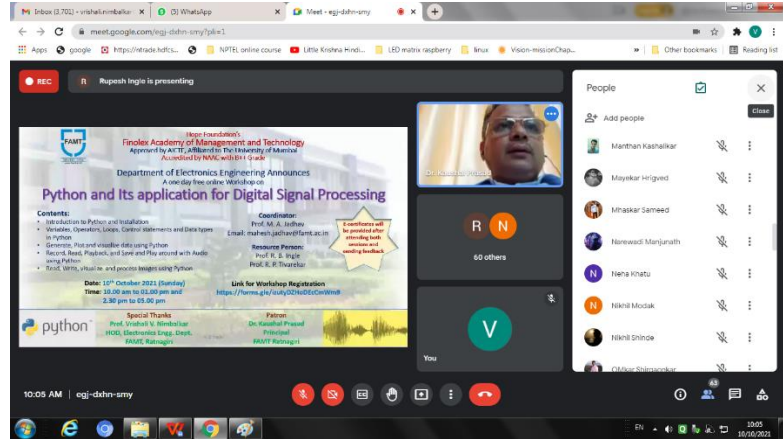
was organized by the Department of Information Technology on 13th October. TE IT students learnt application development with demonstration on developing small smartphone applications using Android Studio. Prof. Santosh V. Jadhav conducted the session coordinated by Prof. Shashank S. Tolye.



➤ **A One Day Workshop on Python & Its Application in Digital Signal Processing** was organized by the Electronics Engineering Department for TE and B.E students of Electronics, E&TC and Electrical Engineering on 10th October.

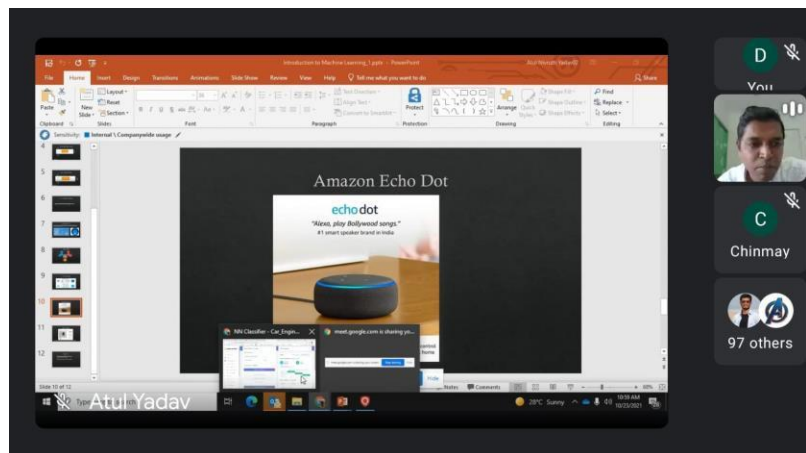
Prof. Rahulkumar P. Tivarekar and Prof. Rupesh B. Ingle, Faculty in

Electronics Engineering, conducted the workshop. The workshop enhanced the most requisite skill-set with a training on open-source Python language, its installation, programming and usage in Digital Signal Processing. Prof. Mahesh A. Jadhav coordinated the workshop.



➤ Mechanical Engineering Department arranged a **Webinar on Rapid Prototyping 3D Printing and Tiny Machine Learning**. Mr. Atul Yadav, Project Manager Infosys, was invited to conduct the webinar on 23rd October. Mr. Atul Yadav has graduated in Mechanical Engineering and has 18+ years of experience spanned mainly in

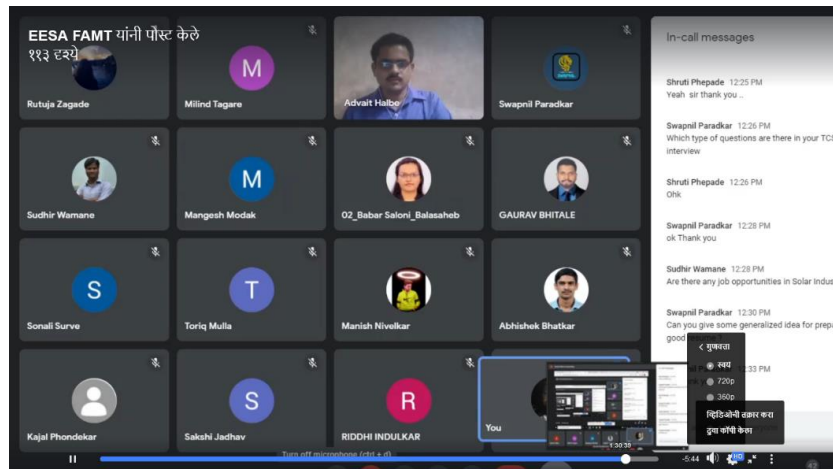
Infosys and SKF bearings. Mr. Atul Yadav explicated 3D printing technologies, Tiny Machine Learning, and 3D Printing applications. He also explained the requisite skill sets to build a career in the same domain. Dr. Tarang Shinde and Prof. P. R. Kamble organized the webinar.



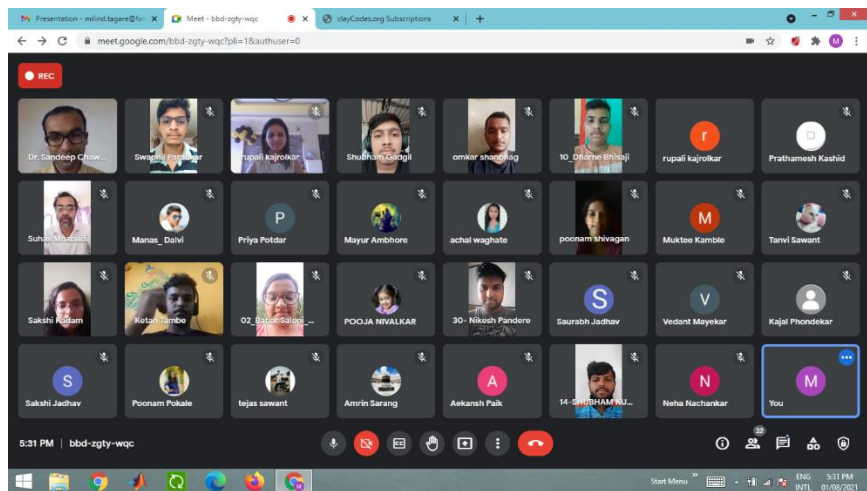
Alumni Interactions

➤ The Electrical Engineering Department organized a **Course Enrichment Webinar on Model-based Development** on 18th July. Mr. Advait Halbe, System Engineer at TCS, addressed the students and faculty members. He explained the different fields for Electrical Engineers and the job roles in the IT industry. Later, he discussed the model development and simulation, testing

code generation and use of MATLAB Simulink. Prof. Jayant Mane and Prof. M. N. Tagare coordinated the entire activity.



➤ The Electrical Engineering Department organized a **Webinar on Electrical Engineering- Orientation towards Industry Solutions** on 1st August. Mrs. Rupali Chavan, Sr. Manager Electrical, Thyssenkrupp Industrial Solutions Mumbai (formerly Uhde India), addressed the TE and



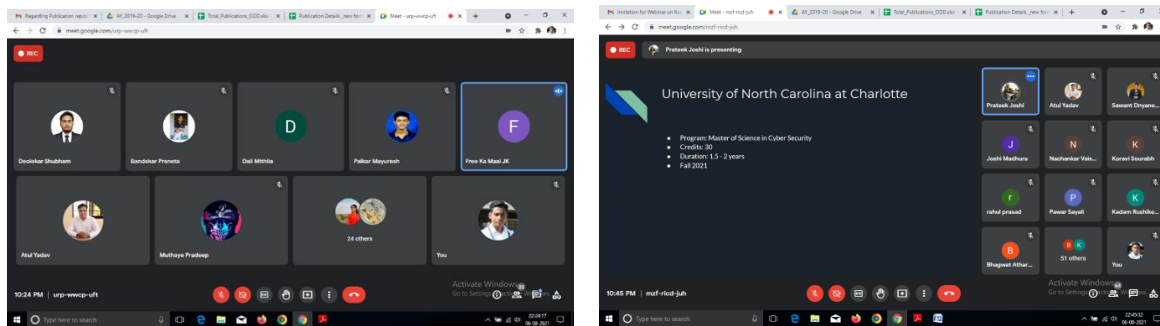
BE students of Electrical Engineering. Mrs. Rupali Chavan graduated in Electrical Engineering and has experience of 16 years in sectors like fertilizers, petrochemicals, refineries and oil and gas etc. She also has expertise in software like ETAP, Auto CAD, and COMOS .

During the presentation, Mrs Rupali shared information on projects and the electrical activities like design calculations, SLD, layout, MTO, 3d modeling procurements etc. She answered questions on motor starters, use of DOL, its ratings and uses, substation earthing, lightning earthing in detail. Prof. Jayant Mane, Prof. Priya Potdar and Prof. M. N. Tagare coordinated the program.

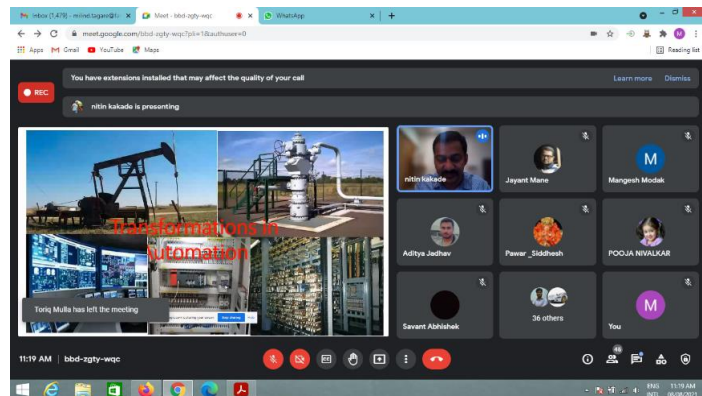
➤ Information Technology Department arranged a **Webinar on How to Crack TCS-NQT** for BE students on 7th August. Mr. Jawwad Kazi, Asst. System Engineer, TCS, explained the TCS NQT test

format, preparation, useful resources, the interview process, and time management along with the guidelines for the coding round. The webinar was organized by Prof. Onkar D. Dike and Prof. Atul Yadav.

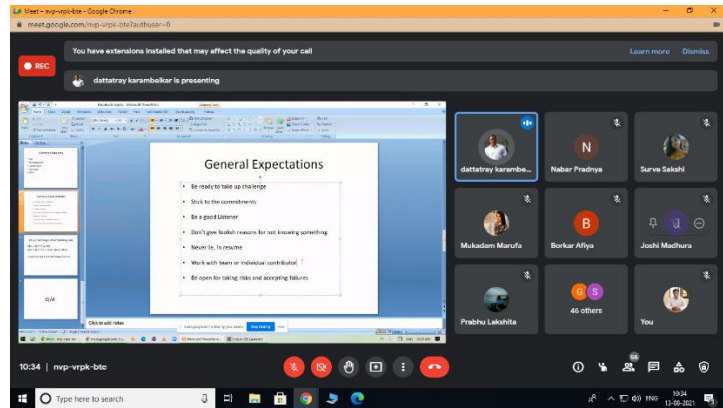
➤ **An Expert Session on Roadmap for MS in the US** was arranged for the TE IT students on 7th August. Mr. Prateek Joshi, delivered the talk. During the session, Mr. Prateek Joshi elaborated the procedure to pursue MS in other countries in detail. The session was organized by Prof. Onkar D Dike and Prof. Atul Yadav.



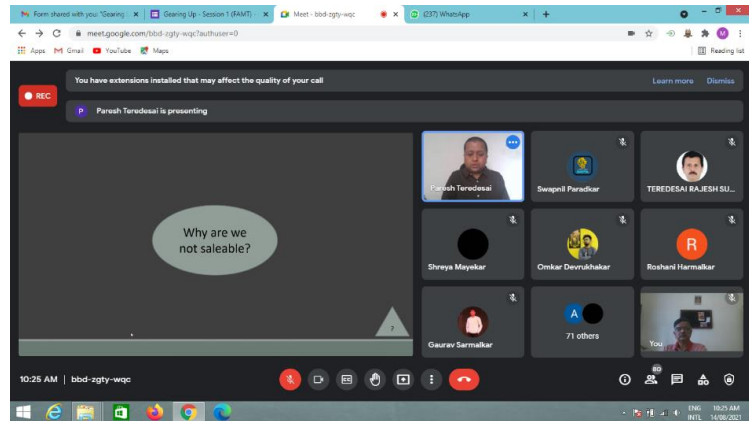
➤ Electrical Engineering Department organized a **Webinar on Transformation in Industrial Automation** on 8th August. Mr. Nitin Kakade delivered the session. Mr. Nitin Kakade is the Director of his new firm Kinian Techicas LLP and has 18 years of experience in the areas of Oil and Gas, refinery, power and petrochemical industries. He has executed several projects in Middle East and has expertise in networking, IOT, IT/OT and latest technologies in the field of automation. He presented the transformations witnessed by automation industry in last 20 years, levels of automation, PLC architecture, IOs, HMI, sensor, actuators and importance of DCS. Prof. Sudhir Wamane and Prof. M. N. Tagare coordinated the webinar.



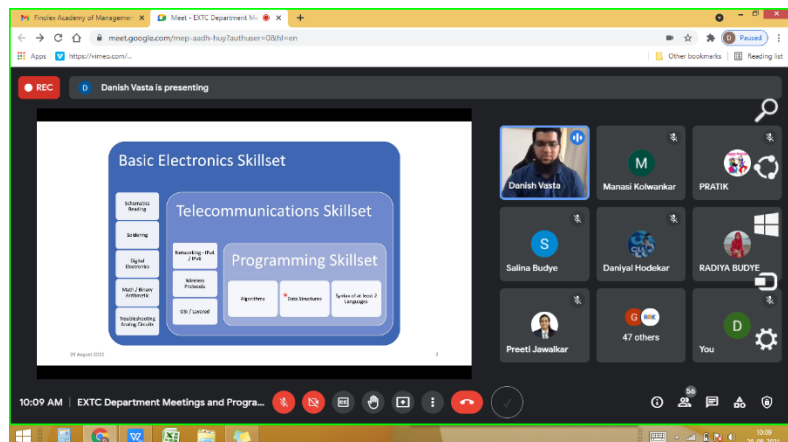
➤ A Webinar was arranged on **Opportunities and Challenges in Corporate Jobs** for TE IT students on 13th August. Mr. Dattatray Karambelkar, Technical Lead, Quick Heal Pune conducted the webinar. He explained the different opportunities and challenges along with the employability skills in the IT industry for freshers. The webinar was organized by Prof. Onkar D. Dike and Prof. Atul Yadav.



➤ A webinar series is planned to educate students of the Electrical Engineering Department on Employability Skills. The first **Webinar on Gearing Up Phase I** was organized on 14th August. Mr. Paresh Teredesai was invited to deliver the talk. Mr. Paresh Teredesai is working as a Product Owner at BlueConch Technologies, Pune. He has professional experience of 20 years in various sectors. Mr. Paresh Teredesai delivered a very motivational and insightful talk on employability and interacted with TE and BE Electrical Engineering students. Prof. M.N.Tagare and Prof. Sudhir Wamane coordinated the programme.

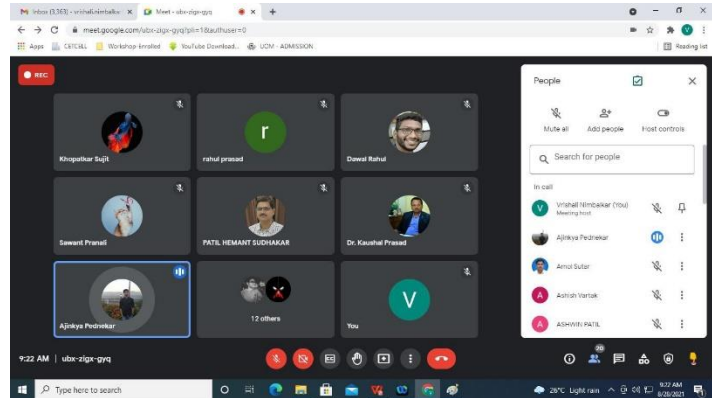


➤ An **Alumni Interaction on Career Opportunities in Embedded Engineering** was organized by the Electronics and Telecommunication Engineering Department on 28th August. Mr. Danish Vasta, Senior Firmware Engineer at Western Digital, Bengaluru, interacted with TE and BE E&TC students. The session



helped students to know about different opportunities in the embedded field and basic skill sets required in electronics, telecommunication and programming.

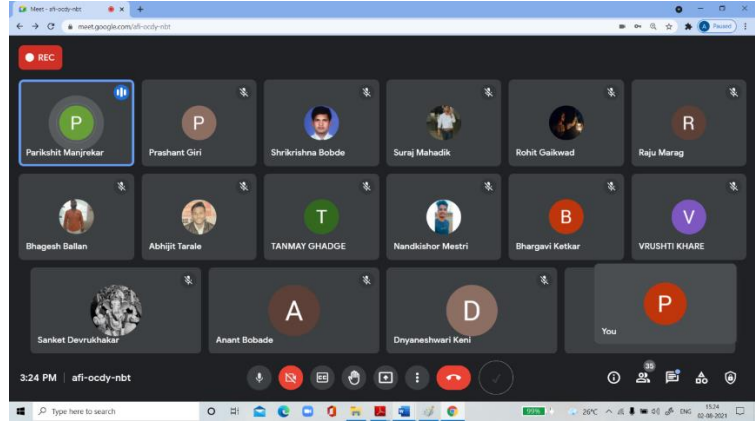
➤The Department of Electronics Engineering organized a **Talk on Higher Studies** on 28th August. Mr. Ajinkya Pednekar briefed the students of Electronics Engineering and E&TC Engineering on planing and preparing for MS. Mr. Ajinkya is currently working as a Software Developer at AC2 Inc. in Houston, Texas, United States. After completing BE in Electronics Engineering, he completed a Post Graduate Diploma in Advanced Computing and pursued MS in Computer Science at the University of Houston, Clear Lake, US, in 2018. In his talk, Mr Ajinkya made students aware of the bright prospects after completing MS and highly encouraged them to undertake it. The talk was organized and coordinated by Prof. Vrishali V. Nimbalkar.



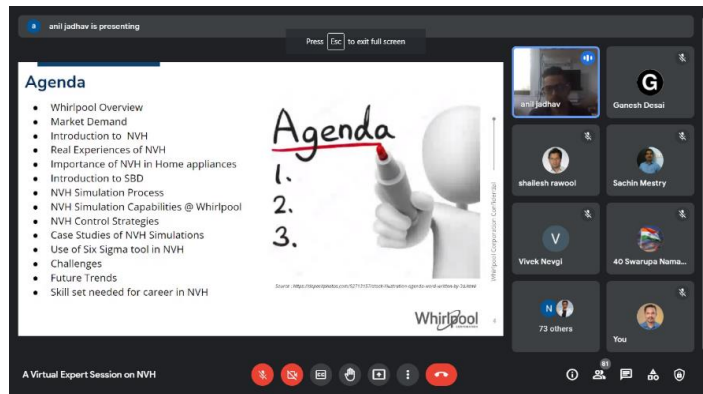
➤Association of Chemical Engineering Students (ACES) organized a **Guest Lecture on An Overview of Refinery Operations and Career Opportunities** in the Oil and Gas Sector on 7th August 2021 for TE and BE students. Mr. Sagar Kamble, Dorf Ketel Chemicals (I) Pvt. Ltd., elaborated various aspects of refinery operations and products and career opportunities in Oil and Gas Sector. The guest lecture was coordinated by Prof. A. K. Bandsode, Head of Chemical Engineering Department and Prof. P. A. Giri, Department Alumni Coordinator.



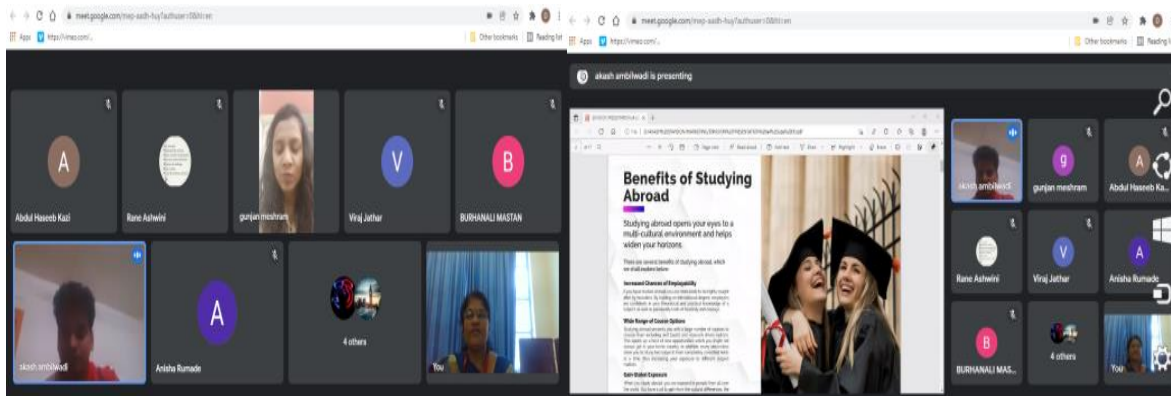
➤The Association of Chemical Engineering Students (ACES) organized an **Interactive Session on Higher Education Opportunities in UK** on 2nd August for TE & BE students. Mr. Parikshit Manjrekar interacted on studying in the UK and answered the queries of students and faculty members. Presently, he is pursuing post-graduation in International Business Management from Kingston University, UK. The session was coordinated by Prof. P. A. Giri, Prof. S. S. Kadlag and Prof. S. B. Bobde.



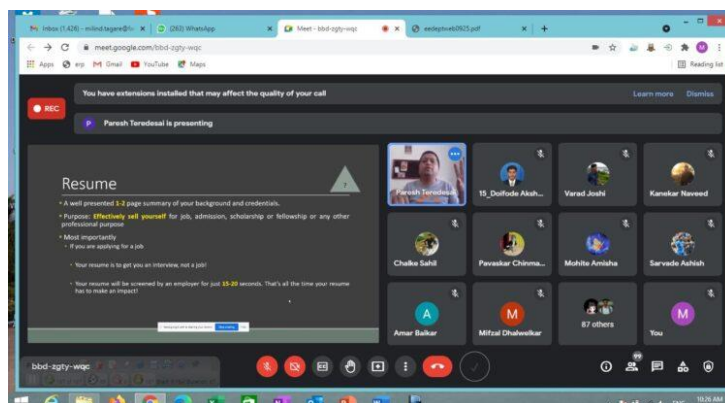
➤An **Expert Session on NVH: Noise, Vibration & Harshness** was held on 25th September for the students of Mechanical Engineering. Mr. Anil Jadhav, Senior CAE Specialist at Whirlpool Corporation Pune, was invited by the Mechanical Engineering Department to conduct the expert session. Mr. Anil Jadhav presented an overview on market demand for NVH and briefed the students about the field of NVH with day-to-day examples. The students interacted with the expert in the Question-Answer segment along with Prof. V Murali Mohan, Prof. S. S. Malusare and Dr. M. S. Yadav.



➤The Department of Electronics and Telecommunication Engineering organized a **Session on Overseas Career Guidance** on 9th December. Mr. Akash Ambiwade, Overseas Education Counselor and Ms. Gunjan Meshram, Alumni E&TC, interacted with the students on the importance of higher education abroad, preparation of a strong Bio-data, financial requirements, and job opportunities. The Speakers also provided guidance about the universities abroad, how to select universities, entrance exams for post-graduation and the opportunities available in India on completion of post-graduation abroad.

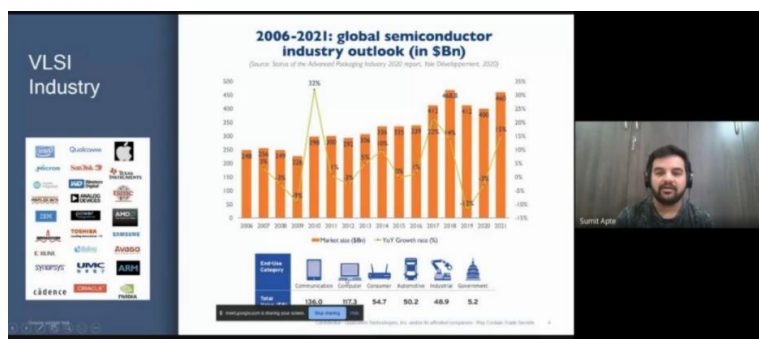


➤ **A Webinar on Gearing Up-Phase II on Resume Writing**, the second talk in the series, was delivered by Mr. Paresh Teredesai on 25th September for Electrical Engineering Students. Mr. Paresh Teredesai has professional experience of 20 years in various sectors Presently, he is working as a Product Owner at BlueConch Technologies, Pune.



Mr. Paresh explained the stages in writing a resume and tips along with the dos and don'ts with examples. He emphasized undertaking different projects, completing internships, and skills and responded to the queries of students

➤ Electronics Engineering Department organized a Talk on **Making Career in VLSI**, on 24th July. Mr Sumit Apte interacted with the students of Electronics Engineering and E&TC.



Mr. Sumit is working as a Lead Physical Design Engineer in Qualcomm, Bangalore and has experience of more than 9 years in Integrated Circuit Design. Mr. Sumit shared his professional journey and discussed with the students on building career in the VLSI. The talk was organized and coordinated by Prof. Vrishali V. Nimbalkar with the cooperation of Prof. Girish G. Bhide.

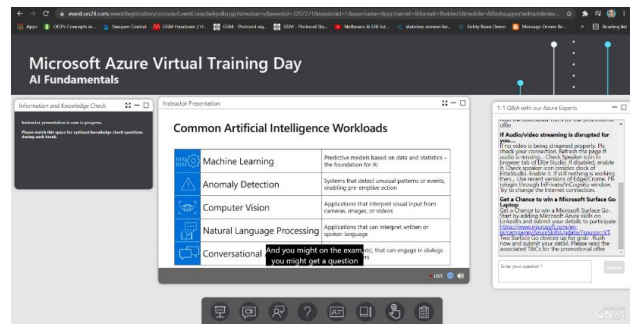
Training Programmes

➤ Mechanical Engineering Department arranged a One-Week **Faculty Development Program (FDP) on Dimensional Management: As per ASME Y 14.5 Standards** in association with MechaTol Product Engineering Solutions Pvt. Ltd. Pune from 15th to 20th July.

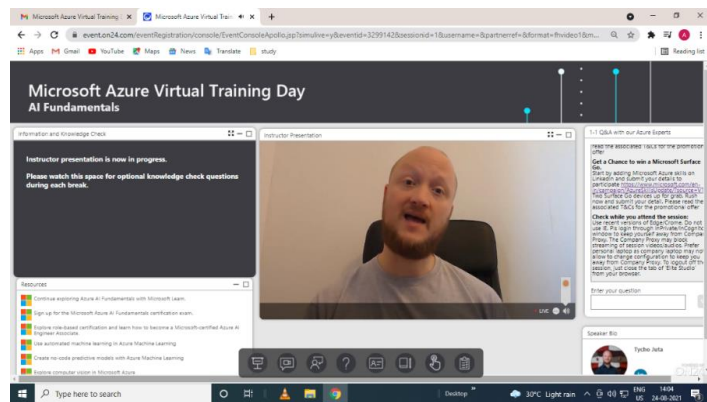
Dr. M. S. Kirkire, Dean and Head of Mechanical Engineering Department, convened and conducted the FDP. It was coordinated by Prof. Mahadev Naik and Prof. Sumit Malusare and attended by the participants from numerous industries and academic institutes across India.

➤ A **Faculty Development Programme on Data Science Essentials** was organized by the Information Technology Department from 12th to 23rd August.

The sessions gave a comprehensive overview of the state of art trends in Artificial Intelligence, Data Science and Microsoft Azure Platform. The programme was conducted by Microsoft, under the MoU of Microsoft Virtual Academy (MVA) between Microsoft and FAMT. The programme was organized by Prof. Shashank S. Tolye.



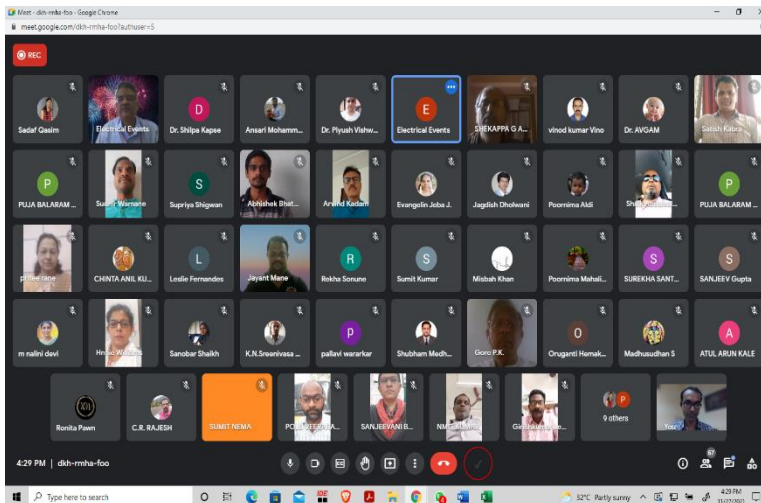
➤ **Microsoft Azure Virtual Training: AI Fundamentals** was organized by the Information Technology Department in association with Microsoft on 24th August. Mr. Tycho Juta (Azure Technical Trainer- Microsoft) trained B.E IT students to create solutions with AI and the Azure services. Mr. Tycho Juta explained responsible AI, concepts of Machine Learning, natural language processing with demonstration on the implementation of machine learning models and bots by using the Microsoft Azure platform. The session was initiated by Dr Vinayak A. Bharadi along with Prof. Ashish B. Vartak as the event coordinator.



➤ A **Faculty Development Programme (FDP) on Challenges in Evolving Power Systems** was organized by the Department of Electrical Engineering from 22nd to 27th November.

The experts from academia and industries, active in real-time research of power systems, discussed key challenges of power systems as per their expertise in separate sessions as follows:

- Dr. Vivek Prakash, Postdoctoral Research Fellow, Faculty of Electrical Engineering and Computing, University of Zagreb, Croatia, on ***Role of Active Neighbourhoods in Fast Frequency Control***
- Ms. Ankita Gaur, Researcher, MaREI, The SFI Research Centre for Energy, Climate and Marine University College Cork, Ireland, on ***Power System Planning***.
- Dr. Rajvir Kaur, Assistant Professor, National Institute of Technology Puducherry, Karaikal on ***Cyber Security in Power Systems***.
- Dr. Priyanka Kushwaha, Energy Market Analyst at ICF International New Delhi, on ***Frequency Response Scenario in Low Inertia Power Systems***.
- Ms. Meenakshi Khandelwal, Senior Research Fellow, Department of Electrical Engineering, Indian Institute of Technology Delhi, on ***Challenges and Opportunities with the Penetration of DERs***.
- Ms. Anjali Jain, Associate Fellow, The Energy and Resources Institute (TERI), New Delhi, ***Evolving Power System of India and Modeling Challenges***.
- Dr. Sandeep Chawda, the Convener and Head of Electrical Engineering Department, presented a summary report of the FDP.

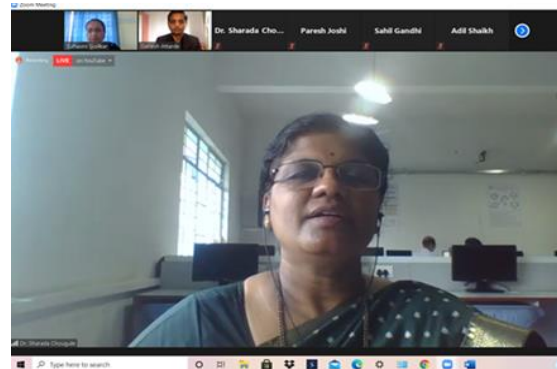
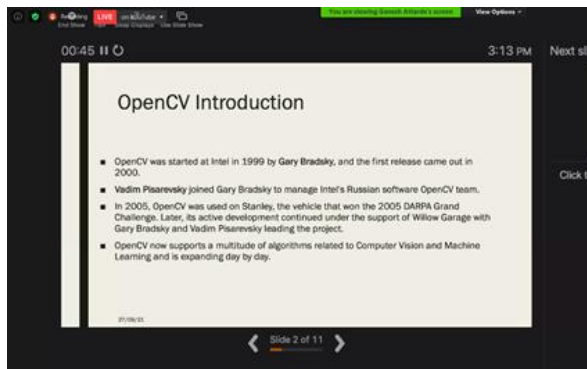


Mrs. Aruna M Katara, the President HOPE Foundation, extended great motivation and guidance for successful execution of the FDP. The consistent efforts of the organizing team consisting of Prof. Milind Tagare, (co-convener), Prof. Vaibhav A. Sansare, and Prof. Priya A. Potdar were appreciated. A total of 195 participants from

academia and industry registered for the programme. There were 6 international registrations for the FDP. The FDP also received entries from the Institute of National Importance such as Indian Institute of Technology (IIT) Jodhpur, IIT Bhubaneshwar, National Institute of Technology (NIT) Silchar, NIT Jaipur, NIT Durgapur, and NIT Hamirpur. There were entries

from renowned government and private universities and institutes across India (12 states). The participants from CERC and Renew Power, New Delhi also registered for the FDP.

➤ **A Training Program on Image and Video Processing Using OpenCV Python** was organized under the Center of Excellence in Computer Vision by Electronics and Telecommunication Engineering Department from 27th September to 1st October. Mr. Ganesh Attarde, Founder and Director GB Softronic Solutions Nasik, conducted the five days training programme. The online training program enhanced the practical knowledge required to cultivate research culture among students in the field of Image and Video Processing using Machine Learning. Prof. S. S. Goilkar coordinated the programme which provided internship and placement-oriented training and concluded with an online quiz.

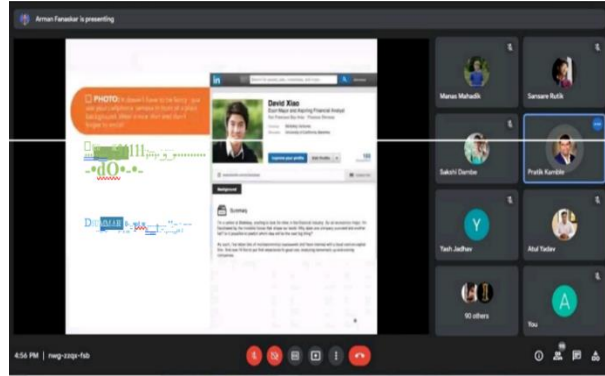


Extension & Outreach Initiatives

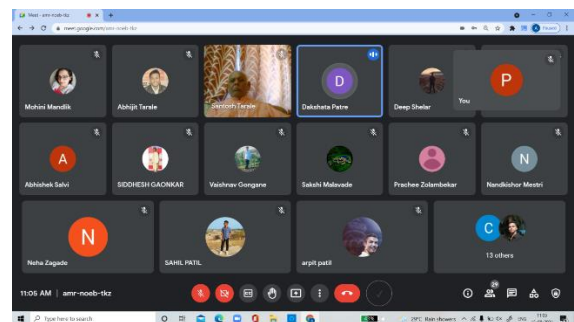
➤ NSS Unit FAMT organized a **Plantation Programme** on FAMT Campus on 26th July supporting the State Government of Maharashtra's programme Mazi Vasundhara to plant one lakh saplings from 18th to 31st July. Dr. Kaushal Prasad, Prof. U. K. Samant, Mr. Ameya Raykar, Prakash Gawade, Nilesh Thik, Pranay Gurav actively participated in the programme. Prof. U. K. Samant -Programme Officer NSS Unit successfully organized the programme.



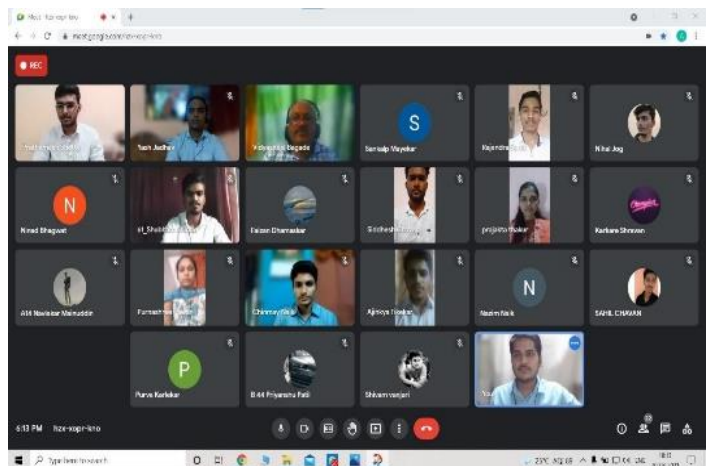
➤ **A Resume Building Webinar** was coordinated by FAMT ISHRAE Students Chapter on 4th August to enhance knowledge of the future jobs and resume building. Prof. Atul Yadav and Prof. Pratik Kamble delivered an interesting and thought-provoking address to the students from various schools and colleges near Kudal, Ratnagiri, and Vengurla.



➤ The Association of Chemical Engineering Students (ACES) proudly celebrated **75th Independence Day** with an Interactive Session by Mr. Santoshrao Lakshmanrao Tarale on 15th August. Mr. Santoshrao Lakshmanrao Tarale is an Ex-Army Officer (Radio Operator) who took part in the Bangladesh Liberation War of 1971. The honourable guest narrated numerous war events and interacted with the students and faculty members. It was a moment of pride for the Department of Chemical Engineering. Prof. A. K. Bandsode, HoD and Mr. Abhijit Tarale, Head ACES, coordinated the programme.



➤ The Department of Mechanical Engineering held **ISHRAE FAMT Students Chapter Installation Ceremony** for the year 2021-22 on August 20th in presence of Dr. Kaushal Prasad (Principal), Dr. Milind S. Kirkire (Dean Academics, Head of Mechanical Dept.), Prof. V. S. Bagade and Prof. S. U. Mayekar (Faculty Advisors ISHRAE), the department faculty and ISHRAE THANE Chapter Office Bearers— Mr. Rajan Gaonkar (President ISHRAE Thane Chapter), Mr. Sanjay Verma (West Zone Head), Mr. Umair Momin (Student Chair), Ms. Hemlata Patil (Secretary), Ms. Nivedita Jadhav.



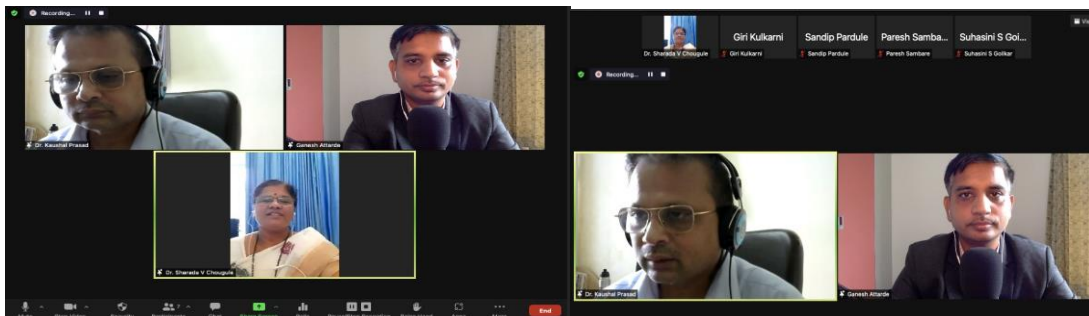
Dr. Kaushal Prasad appreciated ISHRAE Students Chapter for their activities in the year 2021-22. Dr. Milind Kirkire offered the best wishes to the newly elected members of the ISHRAE Students

Chapter. It was followed by a presentation on Activities of the FAMT ISHRAE Student Chapter in previous years. Mr. Rajan Gaonkar, President ISHRAE Thane Chapter elaborated the role, activities, facilities, collaborations, and certification courses of ISHRAE. At the end, Mr. Sanjay Verma administered the oath to the Student President Mr. Avadhut Soman and all elected members of the ISHRAE Students Chapter.

➤ The Department of Electronics and Telecommunication Engineering established a **Center of Excellence in Computer Vision** on 23rd August under a Memorandum of Understanding (MoU) with GB Softronics Solutions, Nashik.

GB Softronics Solution is specialized in Embedded Programming, Customized Embedded Applications, Customized Software Development and also provides placement-oriented training and internships to students and trains the faculty members. Under the MoU, GB Softronics will coordinate training programs and provide a platform for internships and research-based activities to FAMT students and faculty members.

Mr. Ganesh Attarde (Founder and CEO, GB Softronics) explained the company profile, support and activities to be carried out through the CoE on the occasion. Dr. Kaushal Prasad shared views on the industry-academia collaboration. Dr. Sharada V. Chougule briefed on the objectives of the MoU for the Centre of Excellence in Computer Vision.



➤ Nature Club arranged a **Plantation Programme** in Support of State Government of Maharashtra's Van Mahotsav Programme on 29th September on FAMT Campus. Dr. Kaushal Prasad, Dr. Yogesh Mulye, Prof. Prashant Giri, Prof. M.J Gujar, Prof. U. K.



Samant, Mr. Ameya Raykar, Prakash Gawade and Kiran Tambe actively participated. Prof. U. K. Samant-Faculty-Incharge Nature Club arranged the programme.

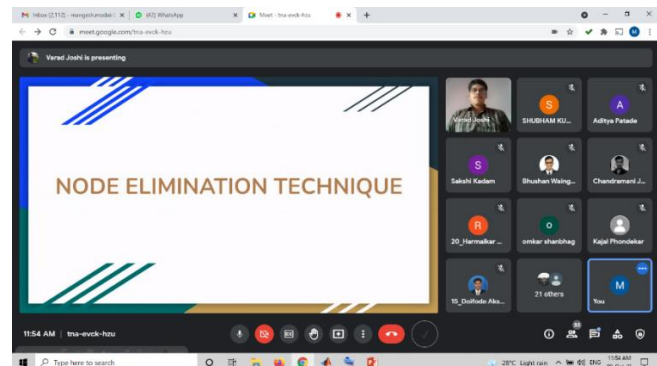
➤ The NSS Unit conducted an **Online Quiz on Mahatma Gandhi Jayanti** to mark 152nd birth anniversary of Mahatma Gandhi. Around 330 students from the different colleges of Ratnagiri district participated in the quiz held on 2nd October. Prof. U. K. Samant, and Prof. Asmita Chavan-Programme Officers -NSS Unit FAMT, and Prof Abhijit Date conducted the quiz.

➤ ISHRAE FAMT Students Chapter conducted an **Online Quiz on Green Energy** to spread awareness about green energy on 2nd October. The students from various schools/ colleges attempted the quiz and received the certificates upon satisfying the passing criteria. The quiz was coordinated by FAMT ISHRAE Students Chapter under the guidance of Faculty Advisors Prof. V. S. Bagade and Prof. S. U. Mayekar.



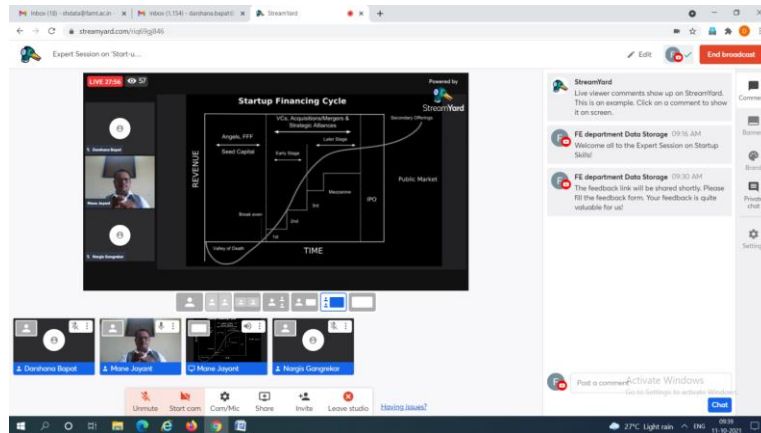
➤ Electronics and Telecommunication Engineering Department arranged **Parents Meets for S.E. and T.E Electronics and Telecommunication Engineering** on 3rd and 17th October respectively. The meeting commenced in presence of Dr. Kaushal Prasad, Dr. Sharada V. Chougule, the Class teachers, Subject Teachers and Mentors. Dr. Kaushal Prasad and Dr. Sharada V. Chougule addressed the parents. Many valuable suggestions from the parents were duly noted down.

➤ Electrical Engineering Student Association virtually celebrated **Teachers' Day and Engineer's Day** on 9th October to express gratitude and appreciate the teachers and engineers.



➤ **An Expert Session on Start-up Skills** was organized by the Institute's Innovation Council (IIC) and Innovation & Entrepreneurship Development Cell (IEDC) on 11th October 2021 for all Third Year students of FAMT.

Prof. Jayant Mane, the President of IIC and the Convener of IEDC shared very insightful information on start-ups and start-up skills. The students from all branches of Engineering attended live streaming of the session on YouTube. Prof. D. M. Bapat, Prof. D. S. Nangare and Prof. N. H. Gangrekar coordinated the session.



➤ ISHRAE FAMT Students Chapter conducted **ISHRAE K-12 Activity: Code-O-Fiesta** on 16th October to improve computer programming knowledge. Ms Purnashree Pawar and Ms Prajakta Thakur delivered an interesting and thought-provoking address to the students of various schools/colleges of Chiplun, Ratnagiri. The program was coordinated by FAMT ISHRAE Student members under the guidance of Faculty Advisors Prof. V. S. Bagade and Prof. S. U. Mayekar.

➤ ISHRAE FAMT Students Chapter conducted a **Quiz on Semi-Conductor Chips** On 7th December via Google Form. The students of various schools and colleges who attempted the quiz gained knowledge about various semiconductor devices. The quiz was coordinated by FAMT ISHRAE student members under the guidance of Faculty Advisors Prof. V. S. Bagade and Prof. S. U. Mayekar.

HOPE FOUNDATION'S FINOLEX ACADEMY OF MANAGEMENT AND TECHNOLOGY, RATNAGIRI
A PROJECT OF HOPE FOUNDATION'S
ISHRAE FAMT STUDENT CHAPTER
DEPARTMENT OF MECHANICAL ENGINEERING
ORGANIZES EVENT ON
SEMICONDUCTOR CHIPS

REGISTRATION LINK : <https://forms.gle/Edav8VqQtm5He2Y17>

INSTA PAGE : https://instagram.com/ishrae_famt_chapte?r7igshid=6sf0j7sx01jv

Feel free to ask in case of any query :

Mr. Yash Jadhav : 7447641931
Mr. Prathamesh Shetty : 9172051539
Mr. Chinmay Naik : 8275772179

ISHRAE FAMT STUDENTS CHAPTER

➤ ISHRAE FAMT Students Chapter conducted a **Programme to pay tribute - In the loving Memory of General Bipin Rawat** on 14th December.

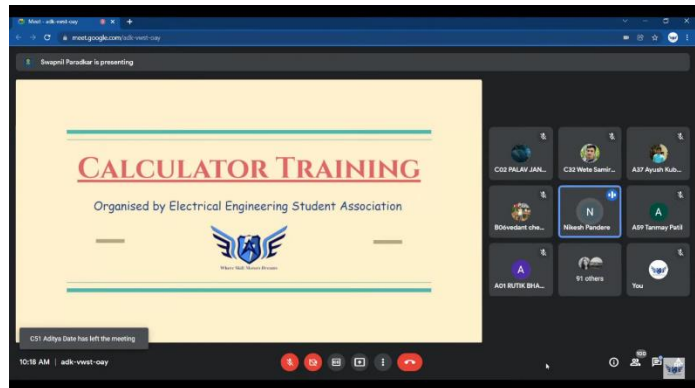
Yash Jadhav gave a brief introduction to the programme. It was attended by FAMT students and coordinated by FAMT ISHRAE student members under the guidance of Faculty Advisors Prof. V. S. Bagade and Prof. S. U. Mayekar.



➤ Electrical Engineering Students' Association organized a **Webinar on Scientific Calculator Training** on 17th December to offer basic training to FE students on how to use a scientific calculator.

The programme was hosted by Nikesh Pandere, a BE student and member of EESA on Google Meet and YouTube live streaming.

Vaishnavi Petkar demonstrated some calculations on physical scientific calculator with examples. Varad Joshi demonstrated similar calculations on a scientific calculator mobile application. The presentation was prepared by Mr. Swapnil Paradkar.



New Establishments on Campus

➤ **A Centre of Excellence (CoE) in Computer-Aided Product Development and Automation Sponsored by Finolex Industries Ltd.** and Mukul Madhav Foundation was established at FAMT.

The CoE would provide FAMT students with the following research facilities:

1. Ansys Academic Teaching Mechanical & Cfd Software
2. Solidworks Edu Edition Software
3. Aristo 6 Axis Articulated Robotic Arm
4. FDM (Fused Deposition Modeling) 3d Printer-
5. CNC Milling Machine

6. National Instrument (Ni) Data Acquisition & Virtual Instrumentation Hardware & Labview Software

7. Pneumatic, Electro-Pneumatic & Plc Training Set Up



➤ A Project-Based Learning Laboratory was established in Mechanical Engineering Department sponsored by Mechatol Product Engineering Solutions Pvt. Ltd. Pune. Mechatol Product Engineering Solutions Pvt. Ltd. would provide the following under MoU with FAMT:

1. ACs: 02 tonnes (02 nos)
2. Computer Tables (04 nos.)
3. Revolving Chairs (04 nos.)
4. Live industry projects with hand-holding to 16 students of Final year Mechanical Engineering (2021-22)
5. Mini projects with hand-holding for 16 students of Third-year Mechanical Engineering (2021-22)
6. Free one-week Faculty Development Program
7. Internships to 08 students of Final year Mechanical Engineering (2020-21)



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