



Hope Foundations'

FINOLEX ACADEMY OF MANAGEMENT AND TECHNOLOGY, RATNAGIRI

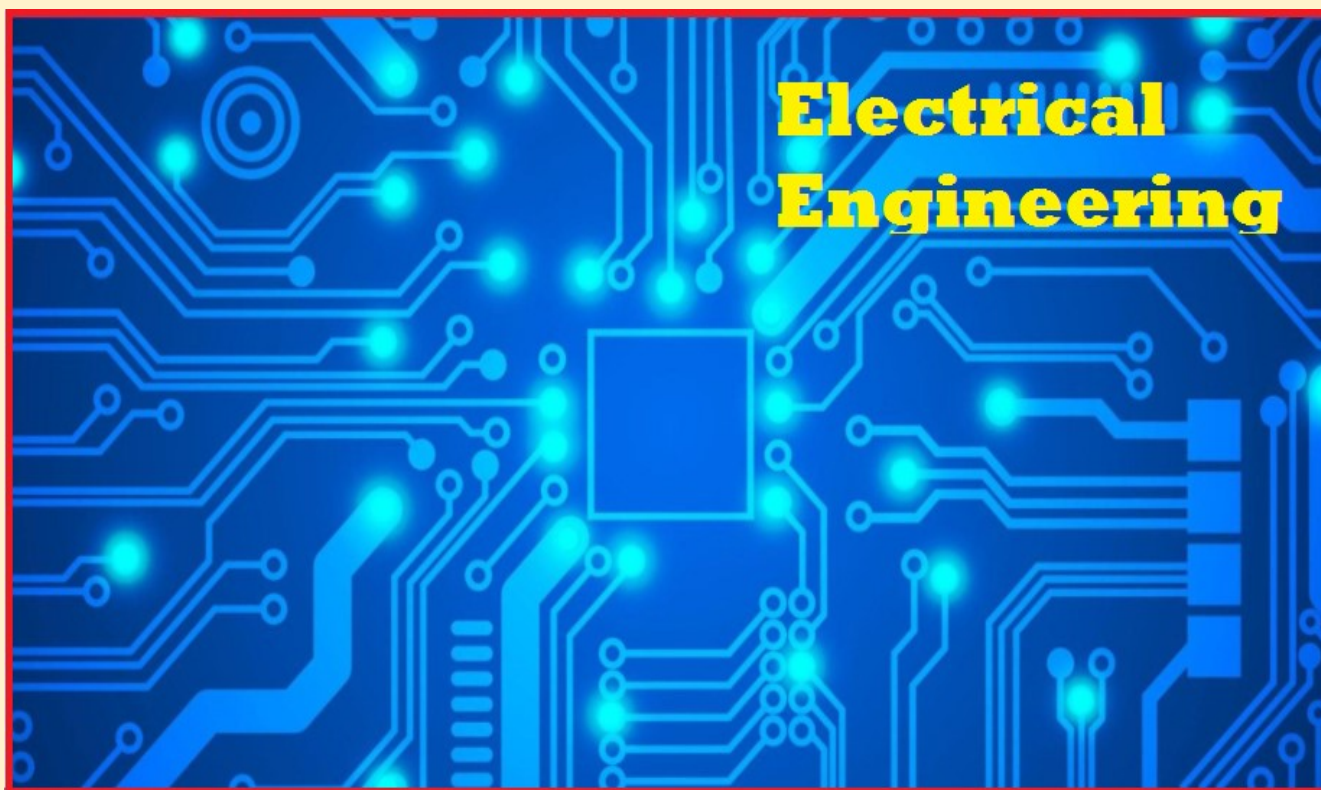
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# ELECTRAZINE

*E – Newsletter of*

## Electrical Engineering Department

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### Publishers

Prof. Suhas H. Mhabadi (Head of Department)

Prof. Milind N. Tagare

Prof. Sudhir S. Wamane

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## List of Faculty/Staff Members in Department

### Faculty Members

Prof. Suhas H. Mhabadi (HOD)	Prof. Sudhir S. Wamane (Assistant Professor)
Dr. Sandeep Chawada (Associate Professor)	Prof. Leslie Fernandes (Assistant Professor)
Prof. Milind N. Tagare (Associate Professor)	Prof. Priya A. Potdar (Assistant Professor)
Prof. Nitin V. Kelkar (Assistant Professor)	Prof. Vaibhav A. Sansare (Assistant Professor)
Prof. Jayant J. Mane (Assistant Professor)	Prof. Nilashri P. Sakhalkar (Assistant Professor)
Prof. Mangesh S. Modak (Assistant Professor)	Prof. Harshal P. Gosavi (Assistant Professor)

### Staff Member

Mr. Shriprakash H. Hardikar (Lab Assistant)

### Department Vision

The department shall become the foremost seat in advanced and progressive learning, with excellent professional skills and character to lead and serve the society at large.

### Department Mission

**M1:** To provide conducive environment in view to transform students into quality engineers who will excel globally with creative and entrepreneurial skills.

**M2:** To enhance teaching - learning process through relevant pedagogies and continual assessment.

**M3:** To promote the versatile development of students through training of interpersonal skills, managerial skills, leadership communication skills.

**M4:** To inculcate moral, ethical and social values among the students.

### Program Specific Outcomes (PSOs)

**PSO1:** Students will be able to design, simulate and analyze electrical systems using software tools.

**PSO2:** Students will be able to understand, implement concepts of electrical systems through experiments and apply it to solve industry specific problems.

### Highlights of the Department

- Department has 12 faculty members
- All of them have completed Post Graduation (ME or M. Tech) , 1 faculty with Ph.D and 1 faculty is pursuing Ph.D.
- They have completed their PG from renowned institutes like VNIT Nagpur, VJTI Mumbai, COEP Pune, COE Walchand Sangali, PVG COET Pune etc.
- Average Experience is of 12 years.
- Published almost 60+ papers at National level and 30+ papers at International level.
- Well-furnished and well equipped 8 Laboratories including 2 computer labs with 36 Computers.
- 3 Classrooms with minimum 80 students seating facility.

## Department of Electrical Engineering, FAMT Ratnagiri

### List of Laboratories:

Drives and Control Lab	Computer Lab -I
Switchgear and Protection Lab	Computer Lab -II
Electrical Measurement Lab	Control System Lab
Electrical Machines and Drives Lab	Power Electronics and Automation Lab/ PLC Lab

- Computer Lab - I and II consists total 36 computers with SciLab, MPLab, PROTEUS, Eagle software etc.
- LAN Facility is available in Computer Labs
- Free Wi-Fi facility is available to students.
- Department Library with 531books.
- One smart classroom with LCD projector, OHP projector and LAN Facility.
- Study material for GATE exam
- Video lectures of NPTEL courses conducted by all IITs (funded by MHRD, Govt. of India).
- One computer with printer for students
- Programmable Logic Controller Lab with 3 Micro-Logix 1400Series-B
- Conduct varies Workshop/Training/ Bridge and Enrichment Courses for the students.

## Programs Organized by the Department

1. Chhatrapati Shivaji Maharaj Jayanti marks the birth anniversary of Chhatrapati Shivaji Maharaj, the first Chhatrapati and founder of the Maratha Empire is celebrated on 19th February every year. This year's celebration marks the 391st birth anniversary of the great Maratha warrior. Department of Electrical Engineering of Finolex Academy of Management and Technology, Ratnagiri, took pride to celebrate Chhatrapati Shivaji Maharaj Jayanti.

Chhatrapati Shivaji Maharaj Jayanti was celebrated in presence of a total of 17 students and faculty members from the Department of Electrical and the institute. The Festival started with *pooja* followed by *aarti* of the idol by Prof. S. H. Mhabadi, head of the Electrical Engineering Department accompanied by faculty members and students. For the event, the hall was decorated with *rangoli* by the students. This event was successfully coordinated by Prof. J. J. Mane.

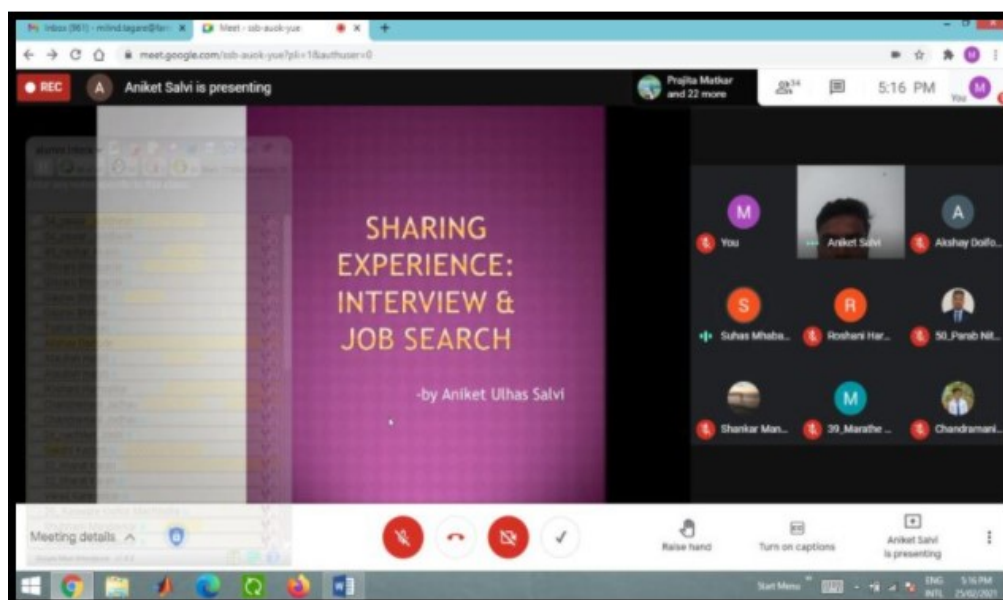


Head of the department Prof. S. H. Mhabadi performing *pooja*

2. The Department of Electrical Engineering organized a Webinar on 'Career after BE Electrical-Sharing Experiences' for the Third year and Final year students on **25th February 2021**. **Mr. Aniket Ulhas Salvi, Junior Manager, JSW Tarapur** was the speaker. He is **an alumnus of FAMT** and has completed BE Electrical with 23rd rank on the University of Mumbai merit list. Initially in the address, Mr Aniket Salvi shared information about preparation during Engineering

studies, suggestions like collecting the in-depth knowledge of various engineering subjects, enriching Bio-data by various activities, and developing different skills required for a career.

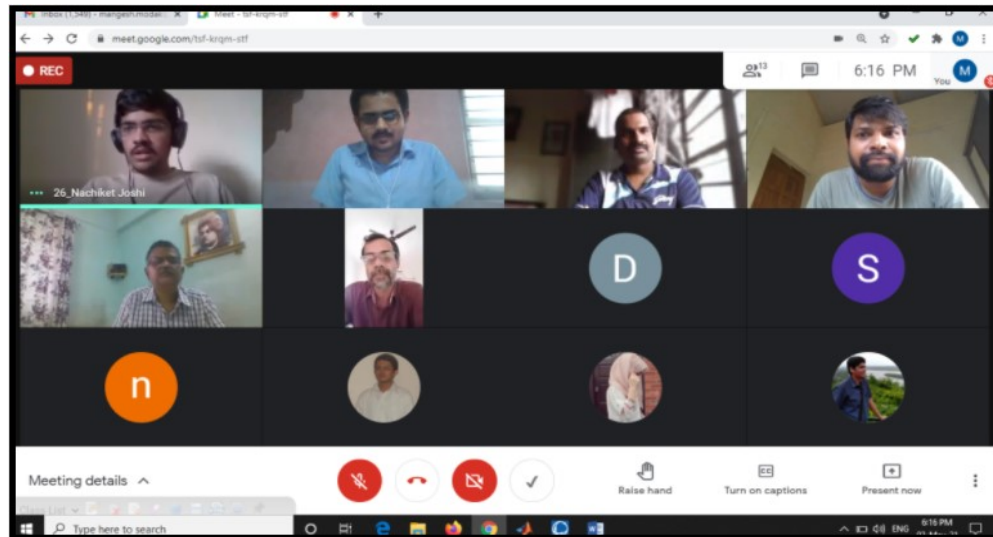
This program was organised by **Prof. M.N.Tagare and Prof. Suhas Mhabadi, HoD, Electrical. Prof. Sudhir Wamane** helped them with the conduction of the same. A total of **46 students** attended the Program. Prof. M.N.Tagare expressed the vote of thanks to the speaker and attendees. **Master Sandip Kulkarni** prepared a digital poster of the event.



Screenshot of the presentation by Aniket Salvi

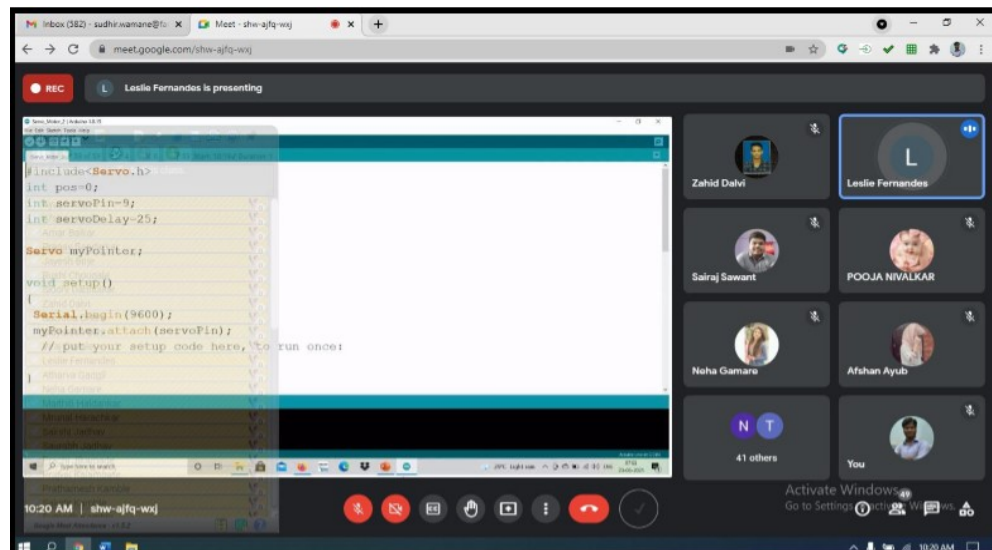
3. Departmental Advisory board meeting was held on 02/05/2021 in online mode through Google meet. The members of Departmental Advisory Board (DAB) were from different domain such as industry, academicians, alumni, students and parents. Prof. M. S. Modak briefly introduced all Departmental Advisory Board (DAB) members. HoD, Electrical Prof S. H. Mhabadi presented information about the department, such as facilities available, rank holders, result analysis and placement details of the department. This was followed by an open discussion among members of DAB. Prof. Bhooshan Rajpathak suggested to invite industry persons to finalize Co and Po, so as to meet industry requirements. He also suggested to conduct STTP for students, which is related to syllabus but beyond syllabus, advanced topics. Mr. Rajesh Shirsat suggested to conduct STTP on upcoming topics, he also suggested to help to conduct session on roof top solar systems. Prof. M. N. Tagare expressed vote of thanks.





Screenshot of the DAB presentation

4. The Electrical Engineering Department of Finolex Academy of Management and Technology (FAMT) organized a One Week Training Program on Arduino and its Application to Power Systems from 21st to 26th June 2021. The main objective of this training program was to provide the fundamental knowledge of Arduino Processor with hands-on practice. The program was conducted by Mr L. Fernandes for the second-year students of the Electrical Engineering Department of FAMT. Mr Sudhir S. Wamane coordinated the training program under the guidance of Dr Sandeep Chawda, Head of Electrical Engineering Department and the encouragement of Honorable Principal Dr Kaushal Prasad. A total of 61 second-year students of the Electrical Engineering Department of FAMT attended the program.



Resource Person Mr L. Fernandes explaining the use of a servo motor

5. Electrical Engineering Department of Finolex Academy of Management and Technology has organized a webinar on "Higher Education in Foreign Countries" on 25th June 2021. Mr. Adeesh Paranjape, Mr. Pranil Patil, Mr. Varun Pillai, and Mr. Salman Nadaf, alumni from the department, were speakers for the webinar. The webinar focused on the preparatory requirements to get admission to foreign universities for higher education.

Prof. Suhas H. Mhabadi extended a welcome to the attendees and introduced the speakers. Prof. Sudhir S. Wamane and Prof. Priya A. Potdar organized the webinar under the guidance of Dr. Sandeep Chawda, Head of Electrical Engineering Department, and the encouragement of Honorable Principal Dr. Kaushal Prasad. 89 students of FAMT attended the webinar.



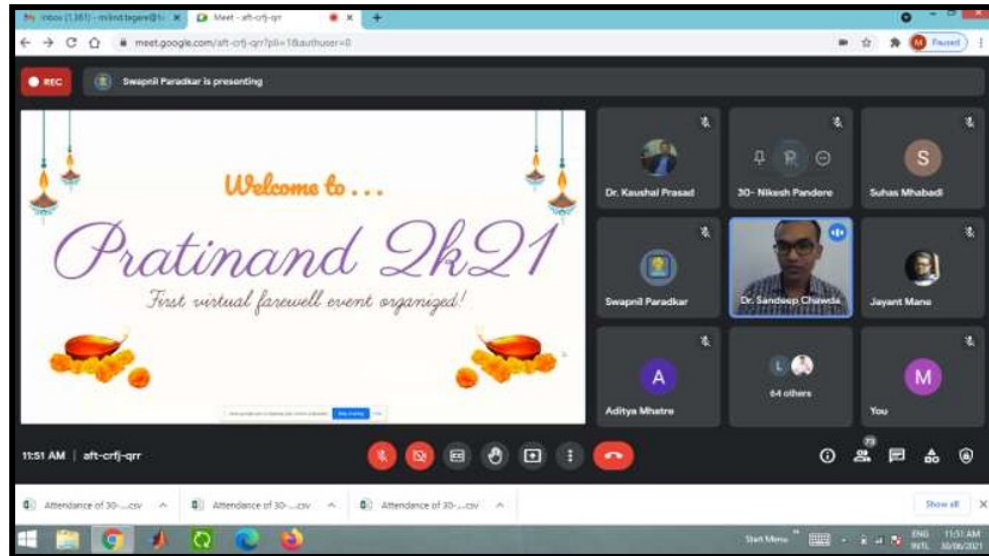
**Mr. Adeesh Paranjape interacting with students**

6. The Electrical Engineering Department of Finolex Academy of Management and Technology organized a 'Farewell ceremony for graduating students of A.Y. 2020-21' on 30th June 2021 through online mode. Seventy four (74) students of BE Electrical were present for the farewell ceremony. The program was hosted by Master Swapnil Pradkar and Master Nikesh Pandere, from TE Electrical. The function began with the enlightening speech of Principal Dr. Kaushal Prasad followed by speech of HoD, Electrical Engineering. The faculty members of Electrical engineering department shared their experiences and memories of the graduating students. Later on, many of the graduating students shared their memories during their stay in FAMT.



## Department of Electrical Engineering, FAMT Ratnagiri

Audio-visual presentation prepared by the students of TE Electrical students. Prof. Milind N. Tagare and Prof. Suhas H Mhabadi organized the farewell ceremony under the guidance of Dr. Sandeep Chawda, Head of Electrical Engineering Department.



**Audio-visual presentation**

## Faculty Achievements

### Journal/Conference Publications

1. Prof. Dr. Sandeep Chawda published paper, entitled as “Bi-Level Approach for Load Serving Entity’s Sale Price Determination under Spot Price Uncertainty and Renewable Availability” in International Journal of Technology and Economics of Smart Grids and Sustainable Energy in 2021.
2. Prof. Dr. Sandeep Chawda published paper entitled as “Dynamic Sale Price Setting for Load Serving Entity’s Risk based Profit Maximization” in International Journal of Electric Power Systems Research (IJEPSR), Volume 201, in Elsevier publication in 2021.

### Faculty Expert Lectures

1. Delivered a talk on “Load serving entity’s decision making in electricity markets” during Five days online short-term training program on “Emerging Trends in Power Sector Planning, Economics, and Regulations” organized by Department of Electrical Engineering, K K Wagh Institute of Engineering Education and Research, Nashik, Maharashtra, during April 6th, 2021 to April 10th 2021.
2. Delivered a talk on “Uncertainty and Risk Management in Electricity Market: Challenges and Opportunities” during one week faculty development program on “Restructured Power System: Operation and Planning” organized by RIT-IEEE student branch, RIT-CTL and IEEE Bombay Section, on 23rd to 28th August 2021.

### Faculty Development Programs

1. Prof. M N Tagare has completed FDP on “Renewable Energy and Power Electronics for Industrial Drive Applications” conducted by Rajiv Gandhi Institute of Technology, Kottayam, April 2021.
2. Prof. M N Tagare has completed FDP on “Electric Vehicle with Smart Grid Integration” conducted by Bonam Venkata Chalamayya Institute of Technology & Science, Amalpuram, Andhrapradesh, April 2021.
3. Prof. M N Tagare has completed FDP on “Design and Development of Automated System using PLC” conducted by Kolhapur Institute of Technology's College of Engineering (Autonomous), Kolhapur, May 2021.
4. Prof. N P Sakahalkar has completed FDP on “Design and Development of Automated System using PLC” conducted by Kolhapur Institute of

Technology's College of Engineering (Autonomous), Kolhapur, May 2021

5. Prof. N P Sakahalkar has completed FDP on “Electric Vehicle with Smart Grid Integration” conducted by Bonam Venkata Chalamayya Institute of Technology & Science, Amalpuram, Andhrapradesh, April 2021.
6. Prof. S S Wamane has completed FDP on “Design and Development of Automated System using PLC” conducted by Kolhapur Institute of Technology's College of Engineering (Autonomous), Kolhapur, May 2021.

## Placements

During academic year 2020-21, total 74 students were eligible for placements out of which **30 students** have been offered jobs in various organizations.