



Hope Foundations'

FINOLEX ACADEMY OF MANAGEMENT AND TECHNOLOGY, RATNAGIRI

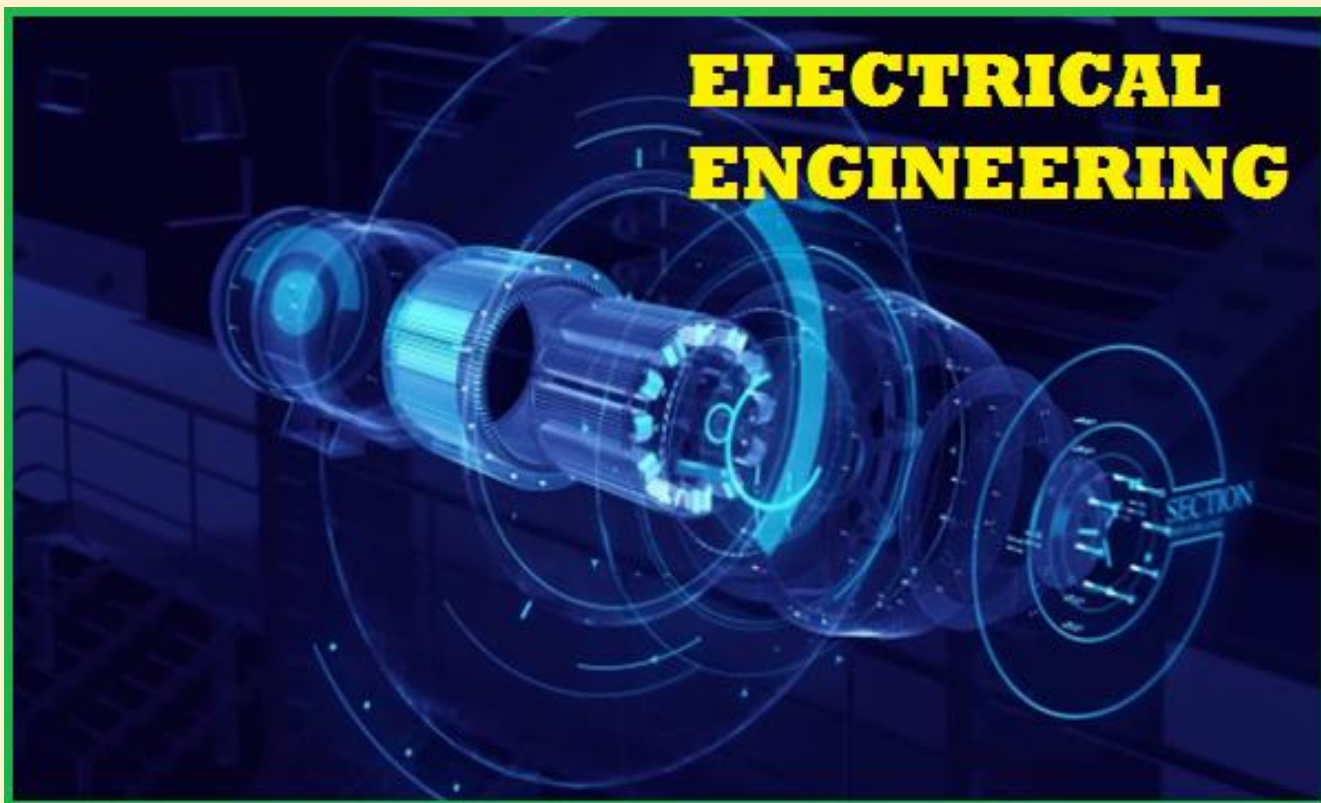
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# ELECTRAZINE

*E – Newsletter of*

## Electrical Engineering Department

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### **Publishers**

Department of Electrical Engineering

### **Head of Department**

Prof. Suhas. H. Mhabadi

### **Editorial Board**

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. 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. K M Keshyagol (Assistant Professor)
Prof. Sudhir S. Wamane (Assistant Professor)	Prof. Harshal P. Gosavi (Assistant Professor)

### Staff Member

Mr. Shriprakash H. Hardikar (Lab Assistant)

## Department Vision

The department shall become foremost seat by imparting advanced and progressive education in electrical engineering along with excellent professional skills and character to meet industrial and social challenges.

## Department Mission

**M1:** To ascertain qualitative teaching learning process through art of teaching pedagogy and meticulous continual assessment.

**M2:** To provide a supportive environment that facilitates industrial exposure to produce quality engineers who will excel globally.

**M3:** To promote the versatile development of students through training of soft skills.

**M4:** To imbibe moral, ethical and social values among 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.

## Program Educational Objectives (PEOs)

**PEO1:** Students should be able to have a successful career or pursue higher studies to meet future challenges of technological development.

**PEO2:** Students should be able to pursue analytical and logical skills that will enable them to analyze and design Electrical Systems and its Controls.

**PEO3:** Students should be able to undertake research and development activities in emerging multidisciplinary fields.

**PEO4:** Students should be able to achieve professional and interpersonal skills by giving an opportunity as an individual as well as a team.

## Highlights of the Department

- The department has 12 faculty members
- All of them have completed Post Graduation (ME or M. Tech) 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 12years.
- Published almost 55+ papers at National level and 25+ 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.
- Computer Lab - I and II consists total 36 computers with Sci-Lab, MP-Lab, Eagle software etc.
- Programmable Logic Controller Lab with 3 Micro-Logix 1400Series-B
- 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
- Video lectures of NPTEL courses conducted by all IITs (funded by MHRD, Govt. of India).
- Conduct varies Workshop/Training/ Bridge and Enrichment Courses for the students

### 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 Lab	Power Electronics and Automation Lab/ PLC Lab

## Programs Organized by the Department

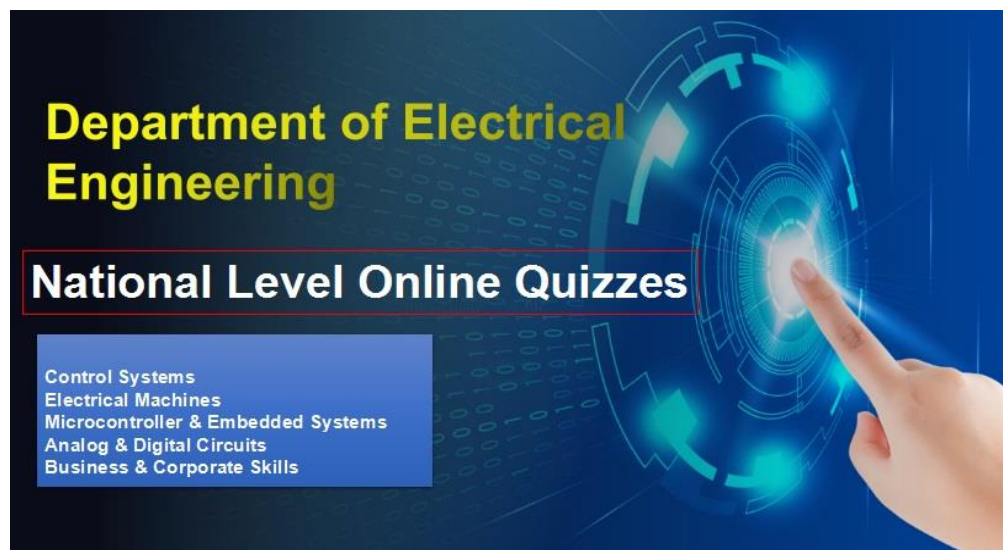
### National Level Online Quizzes on Electrical Engineering

The Department of Electrical Engineering conducted National Level Online Quizzes on various domains under Electrical Engineering. The objective of these quizzes was to keep the students, faculty, and staff of Engineering institutions in touch with the subject knowledge during the pandemic when the entire nation was in lockdown. It included

1. Online Quiz on Control Systems
2. Online Quiz on Microcontroller & Embedded Systems
3. Online Quiz on Electrical Machines
4. Online Quiz on Analog & Digital Circuits
5. Online Quiz on Business and Corporate Skills

Every Google Quiz comprised of 20 Multiple Choice Questions (MCQs) and was conducted from 25th May 2020 to 05th June 2020. The registration and certification were free of cost and the participants, scoring more than 40% were awarded the E-certificates.

More than 4329 participants from 19 states across India, participated in these quizzes. The event was well received by the faculty members. The department also received compliments about the quality of quizzes from the participants. The details are as follows:



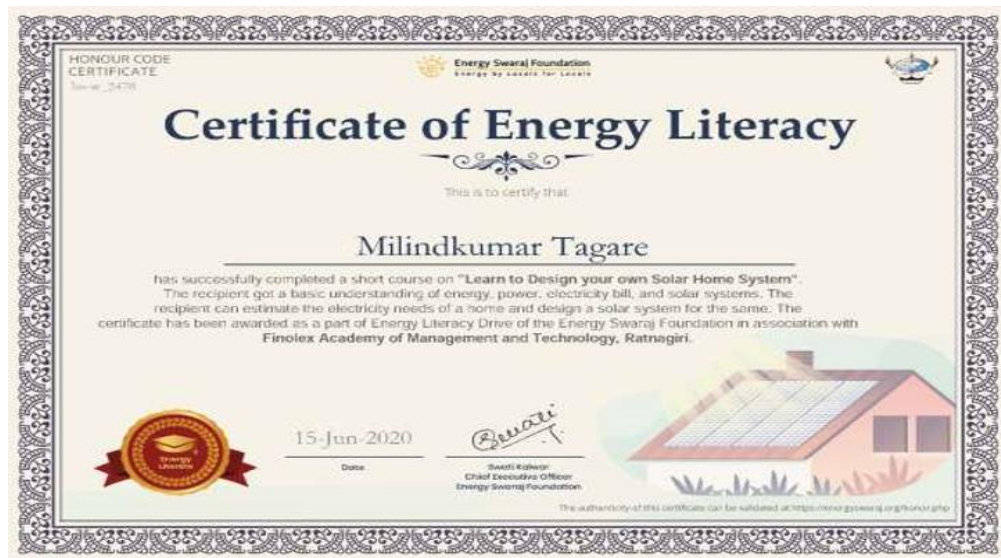
Cover page of National Level Online Quizzes

## Online Certification Course on Learn to Design Solar Home System

Department of Electrical Engineering, FAMT, in association with the Energy Swaraj Foundation led by Dr. Chetansingh Solanki, IIT Bombay, organized a free Certificate Course on Learn to Design a Solar Home System. Information about this course was sent to almost 1600 students studying in Engineering Colleges across the entire country. It was offered free to the students. The course concluded on 15th September 2020.

The students were required to watch a total of 15 short videos on solar system design followed by a quiz. After successful completion of the quiz with a mandatory score, they were awarded a certificate from Energy Swaraj Foundation. The course was open for anybody above age 14 years irrespective of educational background. An attempt was made to impart knowledge of the solar system and its design.

The initiative received an excellent response from almost every district across Maharashtra and from the country. 1102 students from almost 20 states participated in the course. Out of these 375 students completed the course and received the certificate. Prof. M. N. Tagare, Associate Professor, organized the online course. Prof. S. S. Wamane and Prof. S. H. Mhabadi, Head of the Electrical Engineering Department cooperated in organizing the course.



Completion Certificate of Prof. M N Tagare

## Faculty Achievements

### Journal/Conference Publications

1. Prof. Dr. Sandeep Chawda published paper entitled as “Dynamic Sale Price Setting for Load Serving Entity’s Profit Maximization” in International Conference IEEE Power & Energy Society General Meeting (PESGM) in 2020.
2. Prof. V A Sansare published paper entitled as “Design of Controlled Boost Converter for PV based Charging Application” in International Journal of Research and Analytical Review (IJRAR), Volume 7, Issue 3 in July 2020

### Online Certification

1. Prof. N. P. Sakhalkar has completed online certification course “Electric Vehicle: E- Bicycle” offered by Udemy in November 2020.
2. Prof. N. P. Sakhalkar has completed online certification course “Electric Power Systems” offered by University at Buffalo, The State University of New York in August 2020

### Faculty Development Programs

1. Prof. M N Tagare has completed STTP on “IoT & Advanced Power Electronics Applications in Smart Grid” conducted by K. K. Wagh Institute of Engineering Education and Research, Nashik, August 2020.
2. Prof. S S Wamane has completed FDP on “Future Energy Trends & its Impact” conducted by SJB Institute of Technology, Bengaluru, August 2020.
3. Prof. V A Sansare has completed FDP on “Research Methodology and Techniques” conducted by Sandip Institute of Engineering and Management, Nashik, July 2020.
4. Prof. V A Sansare has completed FDP on “Development Programme on Research in Energy Technologies” conducted by Bharati Vidyapeeth (deemed to be university), College of Engineering, Pune, July 2020.

## Placements

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Finolex Academy of Management & Technology, Ratnagiri  
**Electrical Engineering Department**

### PLACEMENT RECORD

Table No. 01: Year-wise placement record

Academic Year	Total No. Students	Eligible Students for Placement	Total Placement Offered
2018-19	76	69	34
2019-20	54	48	20

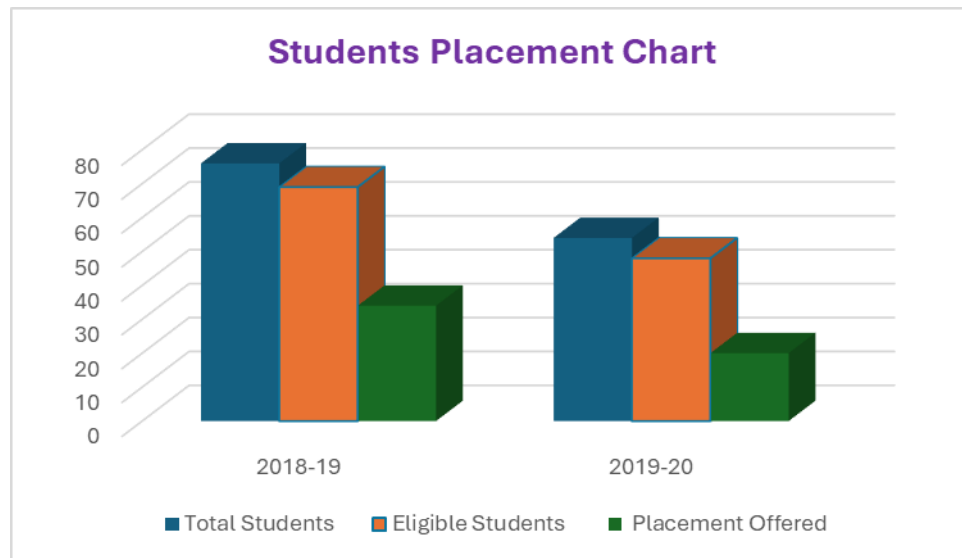


Figure No. 01: Placement record statistics