



Hope Foundations'

FINOLEX ACADEMY OF MANAGEMENT AND TECHNOLOGY, RATNAGIRI

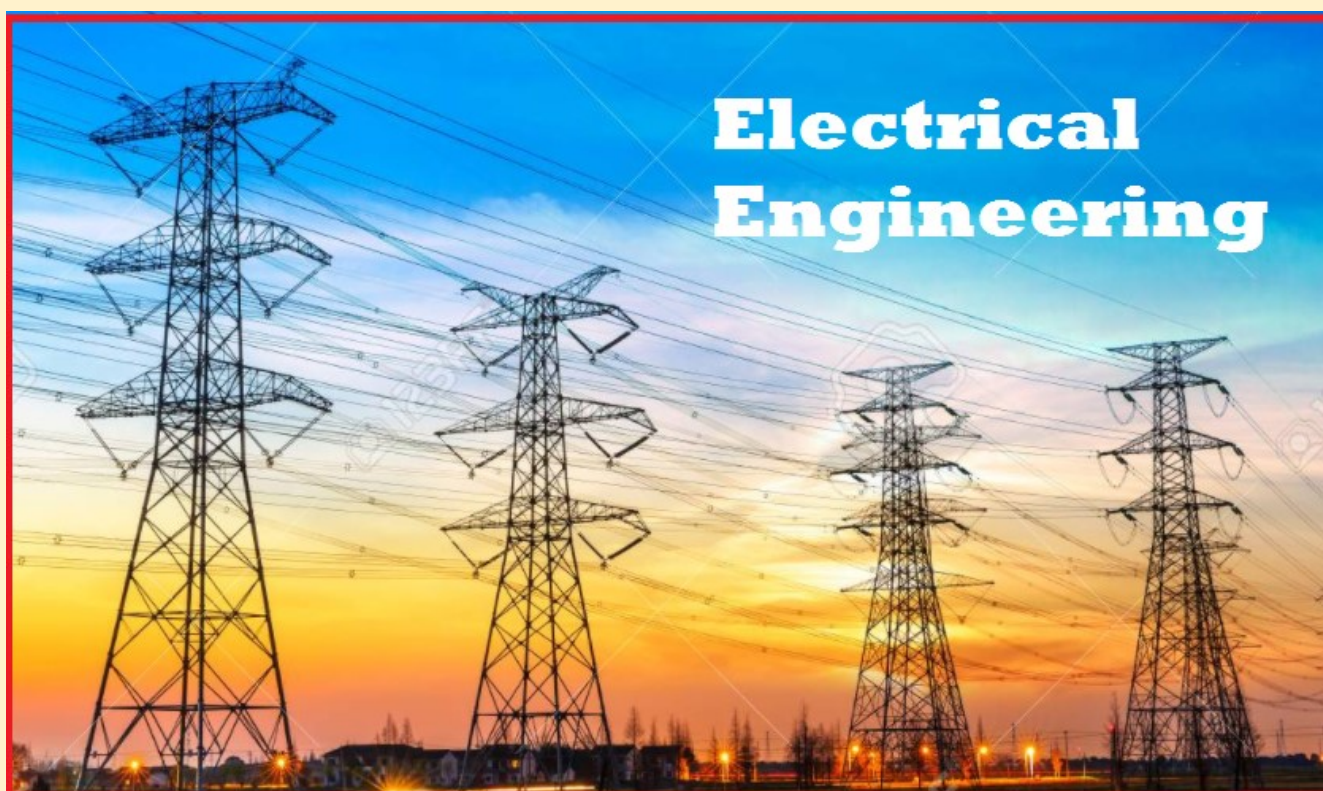
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ELECTRAZINE

E – Newsletter of

Electrical Engineering Department

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Publishers

Prof. Suhas H. Mhabadi (Head of Department)

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List of Faculty/Staff Members in Department

Faculty Members	
Prof. Suhas H. Mhabadi (HOD Electrical)	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. Kiran 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 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) 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 11years.
- Published almost 40+ papers at National level and 10+ 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.

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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

- 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. The State Government of Maharashtra celebrates 'Electric Safety Week' every year from 11th January to 17 January. There is tremendous increase in the inventions and use of the electronic home appliances in day to day life for comfort and ease. Therefore, it becomes mandatory to ensure electric safety while using these appliances. Keeping the above facts in view, the Department of Electrical Engineering observed 'Electric Safety Week' by organizing 'Electric Safety Awareness Campaign' across the schools and colleges. The students were given a presentation on Electrical safety followed by question answer session. These trained students are expected to disseminate the information not only to their families but also to their social groups.

53 students of the department approached 11 institutes including 3 from villages and 1515 students. The teachers of these institutes also attended the sessions and appreciated the efforts taken by the Electrical Engineering students. Prof. M. N. Tagare and Prof. S. S. Wamane coordinated the campaign successfully.



Master Aniruddha Zagade and group presenting on Electric Safety at A. K. Desai High school, Ratnagiri

2. A guest lecture on Electrical System Design was organized on 23rd January, 2019 for B.E. Electrical Engineering students. Shri. Shailesh Deshpande, Owner- Srujan Consultant, Pune, was invited to deliver the talk. He has expertise in the field of

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Power system studies, Plant Electrical Design, Load flow analysis, Estimation and tendering. Shri. Nandkumar Patwardhan, Owner, Shrikrishna Treaders (An Industrial Electrical Goods Supplier) was also present for the event. He discussed the definitions as per NFPA 70E, OSHA 1970, NEC-2002, NEC standards. Further, he explained different types of enclosures, use of PPEs and the measures to mitigation schemes like ZSI, ERNS and differential.

Total 55 students attended the program. Prof. M.N. Tagare took initiative to organize the program. Prof. S. S. Wamane and Prof. V. A. Sansare assisted him to coordinate the event. The programme ended with the vote of thanks.



Shri. Shailesh Deshpande explaining Arc Flash Study

3. A two days workshop on Energy Audit was organized by the Department of Electrical Engineering from 4th to 5th February, 2019. Mr. Ajitkumar Datar, Certified Energy Auditor, INDESCO, Mumbai and Mrs. A.A. Datar Lecturer and Lawyer, Thane Law College, Mumbai were invited for the workshop. He has conducted 400+ audits in India and abroad. During the workshop, the students learnt the concept and procedure of energy auditing, opportunities of energy saving in motors, transformers, illumination etc. He discussed the case studies which demonstrated exact energy saving calculations and payback analysis. The actual Energy Audit of illumination and AC was done.



Inaugural program of workshop:

Shri. Ajitkumar Datar and Mrs. A. A. Datar

Prof. M. N. Tagare, Prof. S. H. Mhabadi, HOD, Electrical

A total of 76 Students of B.E participated in the workshop. Prof. M. N. Tagare organized this workshop with the help of Prof. Sudhir Wamane and Prof. Vaibhav Sansare.

4. The Department of Electrical Engineering held a one-day workshop on 'Estimation and Tendering' on 26th March, 2019. Shri. Rajesh Shirsat, Regional Head (West), Godrej & Boyce MFG. Co. Ltd. was the speaker. In the first session, to make the students understand the seller and buyer relationship. Later, the principle of tendering was explained followed by a discussion on the process of tendering, tendering documents, EMD and commercial aspects. During the second session, types of tender with example, global and domestic tender, physical and e-tendering were explained in details. The tender notices and corrigendum were demonstrated.

Total 68 students from final year Engineering participated in the workshop. Prof. Sudhir S. Wamane, Prof. S. H. Mhabadi (HOD Electrical) and Prof. M. N. Tagare took effort to organize this event.



Shri. Rajesh explaining the basics of Tendering

5. Electrical Engineering Department successfully organized its technical festival 'Elektra2k19' based on a theme - Evolution of Electrical Field from 31st January to 1st February, 2019. Elektra symbolizes shining bright. Viraj Brid, EESA Head and Rakshanda Savekar, LR, presented the report of EESA.



Inaugural Function of ELEKTRA 2K19

ELEKTRA 2K19 commemorated with an inaugural ceremony. Mr. Arjun Gadre, Managing Director - Gadre Marine Export Pvt. Ltd., was the Chief Guest on the inaugural ceremony. Elektra 2K19 started with lighting of the lamp, and introduction of the Chief Guest. Dr. Kaushal Prasad, Principal, Prof. Suhas Mhabadi, HoD, Prof. Mangesh Modak, EESA Faculty In-charge, Faculty members and HoDs of other departments were present for the ceremony.

The chief guest Mr. Arjun Gadre delivered the inaugural speech. All the contests viz. Techno-taskforce, Debate, Quiz, Mock Campus, Treasure Hunt, Chess Blitz, Brainteasers, LAN Gaming, Art Elixir (art exhibition), Technical Presentation, Genius Junior Science exhibition and Photography were efficiently carried out by the committees.

Social Events

1. Electrical Engineering Department in association with Department of Lifelong Learning and Extension (DLLE) organized a Digital India Campaign from 11th to 15th February, 2019. The Government of India introduced BHIM mobile application to initiate fast, secure and reliable cashless payments through Smartphone. The students of S.E. & T.E. Electrical Engineering extended support to this initiative of the government by disseminating information on BHIM application, digital and cashless transactions to the people from nearby residential societies, shopping complexes and villages.

Total 57 Electrical Engineering students approached and trained 290 people in cashless transaction using BHIM app. Many of them appreciated the efforts taken by the students. Prof. Sudhir S. Wamane (Department Faculty Coordinator of DLLE), Prof. S. H. Mhabadi (HOD Electrical) and Prof. M. N. Tagare took effort to organize this event.



Mr. Navnath Mahadik and group explaining about BHIM app. to vegetable vendors at Khedshi, Ratnagiri

2. The Electrical Engineering Department organized Ratnadurg Fort Cleanup Drive in association with Jiddi Mountaineering, Ratnagiri on 27th January, 2019. The Government of India has launched a campaign 'Swachha Bharat Mission' from 2nd October, 2014 with an objective to clean the streets, roads and infrastructure of cities, smaller towns and rural areas. Keeping this noble motive in mind, the department of Electrical Engineering decided to work for the dilapidated state of the

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heritage forts in Ratnagiri city and contribute in the conservation of the historical places.

46 students along with 03 Faculty members of Electrical Engineering Department participated in the fort cleaning drive. The plastic bags, glass bottles, used dishes were disposed with the help of Ratnagiri Municipal Corporation. Prof. S. H. Mhabadi (HOD Electrical), Prof. M. N. Tagare, Prof. S. S. Wamane, Prof. V. A. Sansare, and Prof. K. M. Keshyagol coordinated the campaign successfully



Group photo of students with Jiddi Mountaineering Team

Faculty Achievements

Journal/Conference Publications

1. Dr. Sandeep Chawda published paper entitled as “Dynamic retail pricing for load serving entity under significant renewable energy penetration” in 2018 8th IEEE India International Conference on Power Electronics (IICPE) held at MNIT Jaipur.
2. Dr. Sandeep Chawda published paper entitled as “Risk based retailer profit maximization: Time of Use price setting for elastic demand” in 2019 International Transaction on Electrical Energy System held at MNIT Jaipur.
3. Prof. Suhas H. Mhabadi published paper entitled as “Study of Challenges in Environmental Aspects of Renewable Energy Sources” in 2018 in International Conference ICNTET-2018
4. Prof. Harshal P Gosavi published paper entitled as “Bagass Power for Meeting Challenges of Energy” in International Journal of Recent and Innovation Trends in Computing and Communication (IJRITCC) in 2019

NPTEL Online Certification

1. Prof. N. P. Sakhalkar has completed and achieved Elite grade certification in the NPTEL course “Electric Vehicle Part-1” conducted by IIT Roorkee.
2. Prof. M. S Modak has completed and achieved Elite grade certification in the course “Principles of Signals and Systems” conducted by IIT Kharagpur.

Faculty Development Programs

1. Prof. Nilashri P Sakhalkar completed FDP in “Advance Power Converters for Industrial and Renewable Applications” at SSBTs College of Engineering and research, Jalgaon in Jun-2019.

Placements

During academic year 2018-19, total 76 students were eligible for placements out of which **30 students** have been offered jobs in various organizations in even semester of A.Y. 2018-19.