ELECTRAZINE

E − Newsletter of

Electrical Engineering Department

Volume 5, Issue 2 (1ˢᵗ Jan 2020 to 30ᵗʰ Jun. 2020)

Publishers

Prof. Suhas H. Mhabadi (Head of Department)

Prof. Milind N. Tagare

Prof. Sudhir S. Wamane

Contents

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. Kiran M. Keshyagol (Assistant Professor)
Prof. Sudhir S. Wamane (Assistant Professor)	Prof. Harshal P. Gosavi (Assistant Professor)
Dr. Satyendra Kumar (Associate 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 50+ papers at National level and 20+ 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.

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, MP-Lab, 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

Electrical Engineering Student's Association (EESA)
Department of Electrical Engineering
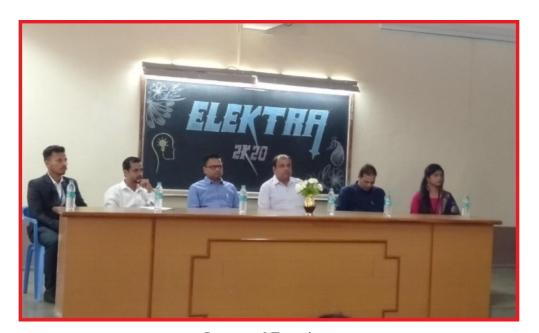
ELEKTRA 2K20

Electrical Engineering Department successfully organized its technical festival 'Elektra2k20' on 27th February & 28th February 2020 based on the theme of 'SAVE EARTH using GREEN TECHNOLOGY". 'Elektra' symbolizes 'shining bright'. The fest commemorated with the inauguration ceremony, and the inaugural ceremony of Elektra 2K20 started in a novel fashion. The function was inaugurated by unveiling of the ELEKTRA signboard using an Arduino based Bluetooth controlled robot car by the auspicious hands of the Chief Guest Nitin Palsuledesai (Additional Executive, MSEDCL) &Hon. Principal Dr. Kaushal Prasad. The program began with the singing of National Anthem which was followed by the Lamp Lighting ceremony. It was followed by the Introduction & Felicitation of the Chief Guest. Later on, the remaining dignitaries, i.e Hon. Principal, Prof. Mhabaddi Sir(HOD Electrical),Prof. Modak Sir (EESA Incharge),Mr. Rushikesh Puri, Ms. Vasika Tamke (Boys' & Ladies Representatives), on dais were felicitated.

Unveiling Ceremony

This was followed by inaugural speech by the Chief Guest. In his speech, he expressed his views about current scenario in the Engineering field especially for the Electrical branch. He suggested some measures to change the employability status of engineers. After that Principal shared his thoughts and appreciated the efforts of students to successfully manage, organize and carry out such an innovative, creative and splendid event on their own. This was followed by the Annual EESA Report of the Year 2019-2020 by EESA Students' Representatives Rushikesh Puri & Vasika Tamke. They listed out all Social, Technical events carried out under the Banner of EESA in this current academic year. The function ended with a Vote of Thanks proposed by EESA Incharge Prof. Modak Sir. The function was hosted by Ms. Neermeetee Gayakwad.

Inaugural Function

After the main programme, on account of Marathi Bhasha Din a small informal function was organized for depicting the importance of our mother tongue Marathi. The entire function was handled by Mr. Abhishek Bhatkar in Marathi wherin he stated how we all are blessed to know such a glorified, flawless language with such a rich heritage, culture and renowned works of art. A song 'Labhale Aamhas Bhagya Bolato Marathi' was presented by B.E. Electrical students showcasing the virtues of the Marathi language. The programme ended with a Vote of Thanks by Mr. Sandeep Kulkarni.

ELEKTRA Decoration depicting the theme 'SAVE EARTH using GREEN TECHNOLOGY'

Faculty Achievements

Journal/Conference Publications

1. Prof. Nilashri P Sakhalkar published paper entitled as "System and Method for Passive Cell Balancing with Multicell Li-ion Battery Voltage Monitoring" in International Journal of Emerging Technologies and Innovative Research- JETIR in 2020.
2. Prof. Kiran M Keshyagoal, Prof. Jayant J Mane, Prof. Suhas H Mhabadi, Prof. Leslie Fernandes, Prof. Sudhir S Wamane published paper entitled as "Design and Implementation of Solar emulator through Flyback Converter" in International Journal of Science Research and Management IJSRM in March 2020.

NPTEL/ Coursera Online Certification

1. Prof. Sudhir S Wamane successfully certification Course offered by Coursera in "Control of Mobile Robots" from Georgia Institute of Technology in May 2020

2. Prof. Sudhir S Wamane successfully certification Course offered by Coursera in "Building Arduino Robots & Devices" from Moscow Institute of Physics & Technology in May 2020

3. Prof. Sudhir S Wamane successfully certification Course offered by Coursera in "Machine Learning Foundations: A Case Study Approach" from University of Washington in May 2020

4. Prof. Sudhir S Wamane successfully certification Course offered by Coursera in "Programming for Everybody (Getting Started with Python" from University of Michigan in May 2020

5. Prof. Sudhir S Wamane successfully certification Course offered by Coursera in "Embedded Software & Hardware Architecture" from University of Colorado Boulder in May 2020

6. Prof. Suhas H Mhabadi successfully certification Course offered by Coursera in "Control of Mobile Robots" from Georgia Institute of Technology in May 2020

7. Prof. Suhas H Mhabadi successfully certification Course offered by Coursera in "Embedded Software & Hardware Architecture" from University of Colorado Boulder in May 2020

8. Prof. Suhas H Mhabadi successfully certification Course offered by Coursera in "Electric Power Systems" from University at Buffalo in May 2020

9. Prof. Suhas H Mhabadi successfully certification Course offered by Coursera in "Safety in the Utility Industry" from University at Buffalo in May 2020

10. Prof. Suhas H Mhabadi successfully certification Course offered by Coursera in "Natural Gas" from University at Buffalo in May 2020

11. Prof. Milind N Tagare successfully certification Course offered by Coursera in

"Electric power system" from University at Buffalo in May 2020

12. Prof. N V Kelkar successfully certification Course offered by Coursera in "Electric power system" from University at Buffalo in May 2020

13. Prof. N V Kelkar successfully certification Course offered by Coursera in "Electric Industry Operations and Markets" from University of Colorado Boulder in May 2020

14. Prof. N V Kelkar successfully certification Course offered by Coursera in "Intelligent Machining" in May 2020

15. Prof. Vaibhav A Sansare successfully certification Course offered by Coursera in "Electric Power Systems" from University at Buffalo in May 2020

16. Prof. Vaibhav A Sansare successfully certification Course offered by Coursera in "Safety in the Utility Industry" from University at Buffalo in May 2020

17. Prof. Vaibhav A Sansare successfully certification Course offered by Coursera in "Embedded Software & Hardware Architecture" from University of Colorado Boulder in May 2020

18. Prof. Nilashri P Sakhalkar successfully certification Course offered by Tata Steel in "Induction motor" in April 2020

19. Prof. Nilashri P Sakhalkar successfully certification Course offered by Tata Steel in "industry 4.0" in April 2020

20. Prof. Nilashri P Sakha;kar successfully certification Course offered by Tata Steel in "transmission and distribution" in April 2020

21. Prof. Nilashri P Sakhalkar successfully certification Course offered by Tata Steel in "transformer" in April 2020

22. Prof. Nilashri P Sakhalkar successfully certification Course offered by Tata Steel in "Programmable Logic Controllers" in May 2020

23. Prof. Nilashri P Sakhalkar successfully certification Course offered by Udemy in "electric vehicle:e bicycle" in May 2020

Faculty Development Programs

1. Prof. Magesh S Modak has completed STTP in "Embedded System and IoT" organized by NITTTR, Chandigarh in Jan 2020
2. Prof. Magesh S Modak has completed STTP in "MATLAB Programming" organized by NITTTR, Chandigarh in May 2020
3. Prof. Magesh S Modak has completed STTP in "8051 and its Applications" organized by NITTTR, Chandigarh in May 2020
4. Prof. Magesh S Modak has completed STTP in "Artifficial Intellegence and machine learning application in power systems" organized by K K Wagh college of Engineering and Research, Nashik in Jun 2020
5. Prof. Magesh S Modak has completed STTP in "Artificial Intellegence" organized by ATAL Academy, Pune in April 2020

6. Prof. Sudhir S Wamane has completed STTP in "Embedded System and IoT" organized by NITTTR, Chandigarh in Jan 2020

7. Prof. Sudhir S Wamane has completed STTP in "Renewable Energy & Utilization" organized by Sandip Institute of Engineering and Management Nashik in May 2020

8. Prof. Sudhir S Wamane has completed STTP in "Outcome Based Education : A Step towards Excellence" organized by Government College of Engineering Karad in May 2020

9. Prof. Sudhir S Wamane has completed STTP in "Recent Trends in Electrical Engineeeing" organized by Priyadarshani College of Engineering Nagpur in May 2020

10. Prof. Sudhir S Wamane has completed STTP in "Technical Teacher's Training" organized by Vidyavardhini Institute of Technology Pal in May 2020

11. Prof. Sudhir S Wamane has completed STTP in "Promoting Quality Culture in Technical Institutions" organized by AISSMS College of Engineering Pune in May 2020

12. Prof. Sudhir S Wamane has completed FDP in "Technological Advances in Power Switching Converters for RES and Fuel Cell" organized by Bapatla College of Engineering in Jun 2020

13. Prof. Suhas H Mhabadi has completed STTP in "Embedded System and IoT" organized by NITTTR, Chandigarh in Jan 2020

14. Prof. Suhas H Mhabadi has completed STTP in "Outcome Based Education : A Step towards Excellence" organized by Government College of Engineering Karad in May 2020

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18. Prof Suhas H Mhabadi has completed FDP in "Cutting-Edge Technologies for Electrical Engineering", organized by Andhra Loyola College of Engineering, Andra Pradesh in May 2020

19. Prof Suhas H Mhabadi has completed STTP in "Industrial Relevance in Electrical Engineering" organized by BVRIT, Hydrabad in June 2020

20. Prof. Priya A Potdar has completed FDP in "Outcome Based Education: A Step Towards Excellence" organized by Government College of Engineering, Karad in May 2020

21. Prof. Priya A Potdar has completed FDP in "Recent Trends in Electrical Engineering" organized by Priyadarshani College of Engineering Nagpur in May 2020

22. Prof. Priya A Potdar has completed STTP in "Renewable Energy & Utilization" organized by Sandip Institute of Engineering & Management, Nashik in May

2020

23. Prof. Harshal P Gosavi has completed STTP in "Outcome Based Education:A Step Towards Excellence" organized by Govt. College of Engineering,Karad in May 2020

24. Prof. Harshal P Gosavi has completed FDP in "Recent Trends in Elelctrical Engineering" organized by Priyadarshini College of Engineering Nagpur in May 2020

25. Prof. Harshal P Gosavi has completed FDP in "AI and ML Applications in Power Systems" organized by KK Wagh Institute of Engineering, Nashik in May 2020

26. Prof Jayant J Mane has completed STTP in "Embeded Systems and IOT" organized by NITTR, Chandigarh in Jan 2020

27. Prof Jayant J Mane has completed FDP in "Paradigm shift in higher education institutes: Opportunity and Challenges " organized by D Y Patil Institute of Technology, pun in June 2020

28. Prof Jayant J Mane has completed FDP in "Outcome based education : A step towards Excellance under margdarshan scheme of AICT" organized by Government College of Engineering, Karad in May 2020

29. Prof Jayant J Mane has completed FDP in "Power quality and reactive power managment" organized by Sharad Institute College of Engineering Yadrav (Ichalkaranji) in Jun 2020

30. Prof Jayant   J Mane has completed   STTP   in "Internet of Things, Its applications in Industry" organized by Ramravo Adik Institue of Technology, Nerul in June 2020

31. Prof Milind N Tagare has completed FDP in "Exploring the dimension of innovation, incubation and encouraging technologies to embrace post covid changest" organized by Finolex Academy of Mgmt. and Tech, Ratnagiri in Jun 2020

32. Prof Milind N Tagare has completed FDP in "Paradigm shift in higher education institute: opportunities and challenges" organized by DY Patil Institute of Technologies, Pune in Jun 2020

33. Prof Milind N Tagare has completed FDP in "Promoting quality Culture in technical Institute" organized by AISSMS college of Engineering, Pune in Jun 2020

34. Prof Milind N Tagare has completed FDP in "Cutting-Edge Technologies for Electrical Engineering", organized by Andhra Loyalo College of Engineering, Andra Pradesh in May 2020

35. Prof Milind N Tagare has completed FDP in "Technological advances in power switching converters for renewable energy sources and fuel cell" organized by Baptala Engineering College in Jun 2020

36. Prof Milind N Tagare has completed STTP in "Renewable energy and utilization" organized by Sandeep Intitute of Engineering, Nasik in May 2020

37. Prof Milind N Tagare has completed STTP in "Embedded system and IOT" organized by NITTR, Chandigarh in Jan 2020

38. Prof Nitin V Kelkar has completed STTP in "Embedded system and IOT" organized by NITTR, Chandigarh in Jan 2020

39. Prof Vaibhav A Sansare has completed FDP in "Faculty Program on NBA" organized by Bharati Vidyapeeth College of Engineering Navi Mumbai in May 2020

40. Prof Vaibhav A Sansare has completed FDP in "Exploring the Dimensions of Innovation, Incubation and Emerging Technologies to Embrace Post COVID Changes" organized by Finolex Academy of Mgnmt. & Tech., Ratnagiri in Jun 2020

41. Prof Vaibhav A Sansare has completed FDP in "Future Advancements and Applications of IoT" organized by Sandip Institute of Engineering and Management, Nashik in Jun 2020

42. Prof Vaibhav A Sansare has completed FDP in "Effective use of ICT Tools in Teaching Learning Process" organized by Government Polytechnic, Malvan in Jun 2020

43. Prof Vaibhav A Sansare has completed FDP in "Nanoscience for Engineering Applications" organized by NITTTR, Chandigarh in Jun 2020

44. Prof Vaibhav A Sansare has completed FDP in "Real World Applications of Microcontrollers" organized by NITTTR, Chandigarh in Jun 2020

45. Prof Vaibhav A Sansare has completed STTP in "Renewable Energy and Utilization" organized by Sandip Institute of Engineering and Management, Nashik in Jun 2020

46. Prof Nilashri P Sakhalkar has completed FDP in "Electric vehicle" organized by JIT, Nagpur in May 2020

47. Pr Prof Nilashri P Sakhalkar has completed FDP in "Power Qaulity and Reactive Power Manegement" organized by SIT, Ichalkaranji in June 2020

48. Prof Nilashri P Sakhalkar has completed STTP in "Renewable energy and utilliation" organized by Sandip Institute, Nashik in May 2020

49. Prof Nilashri P Sakhalkar has completed STTP in "Industrial Relevance in Electrical Engineering" organized by BVRIT, Hydrabad in June 2020

50. Prof Nilashri P Sakhalkar has completed FDP in "Outcome based education : A step towards Excellance under margdarshan scheme of AICT" organized by Government College of Engineering, Karad in May 2020

Placements

During academic year 2019-20, total 55 students were eligible for placements out of which **17 students** have been offered jobs in various organizations in even semester of A.Y. 2019-20.