

THE CURRENT POST



About The Institution

PES's Modern College of Engineering was established in June 1999 under the guidance & leadership of visionary Chairman Dr.G.R.Ekbote. The college is approved by AICTE, New Delhi, Directorate of Technical Education, and Government of Maharashtra & is affiliated to Savitribai Phule Pune University, compiling with all the norms & standards of Engineering Education. At present the college conducts five courses in Engineering viz. Mechanical, Electrical, Electronics & Telecommunication, Computer, and Information Technology. The college has Post Graduate Engineering courses in Electrical, Mechanical, Computer, E&TC, MBA & MCA. The Research Centre has been established for Mechanical, E&TC, Electrical & MBA. The second shift courses have been started for Electrical, Mechanical, Computer, I.T & MCA.

- College has been accredited by NAAC with "A Grade".
- College has been awarded as best college in urban area by SPPU.



From Principal's Desk

The aim of this institute is to develop not just top quality engineers but also well-developed persons. Our motto therefore is "the joy of excellence in a world of high technology". As professionals you are required to gain knowledge and use it effectively even when you are exposed to pressure.

My congratulation to our Electrical Engineering Department for their consistent efforts in making newsletter and I wish that they will continue to do this in the years to come.

From HOD's Desk

A weak link is better than a strong memory. Nothing exemplifies it better than the nostalgic feeling one gets while leafing through the dusty old pages of his/her department newsletter. It can make a reader travel down the lanes of memory, giving rise to a surge of emotions of many hues and colours. Department of Electrical Engineering "The Current Post" newsletter is going to give the same pleasure to all the brilliant minds that traverse through the portal of this temple of learning. It brings light to the names of the unsung heroes and their mighty deeds.



Vision of Department

"To produce technically competent Electrical Engineers with ethical and social responsibility."

Mission of Department

- To Nurture well cultured and promising professionals by providing facilities to all students for their overall development.
- To develop abilities in students for acquiring the skills to flourish in technical environment.
- To motivate the students for research work and activities beneficial to society.
- To enhance strong bonding with various organization and alumni.

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Workshop On "Hybrid Electric Vehicles & Challenges For Penetration Of Electric Vehicle Charging Stations Into Grid" (Under Sppu's Vidyarthi Vikas Mandal)

Department of Electrical Engineering organized a Workshop On "Hybrid Electric Vehicles & Challenges For Penetration Of Electric Vehicle Charging Stations Into Grid" (Under Sppu's Vidyarthi Vikas Mandal). The event was conducted for UG & PG Students, Research scholar, Academician & Industry Persons on 7th and 8th February, 2020 under SPPU's VVM. Information was imparted to Participants about the Role and challenges in Electric Vehicle Sector. To enhance skill sets in Electric Vehicles and Hybrid Electric Vehicles and too highlights the role of Battery, Battery management system (BMS), Selection of motors for EVs and Application of super capacitor in EVs and Career opportunities in EV sector.



WORKSHOP ON "HYBRID ELECTRIC VEHICLES"

Workshop On Testing & Measurement Of Electrical Measuring Instruments

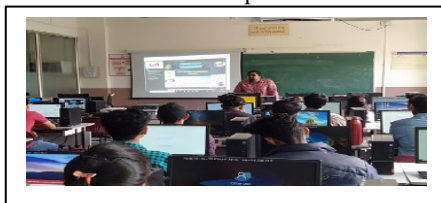
Department has conducted workshop on Testing & Measurement Of Electrical Measuring Instruments which is divided in two parts. In first part Mr Pranit Bhaskarwar and his team presented presentation on different types of meters like clamp meter, multimeter etc. which are used for testing in Industries. Mr. Desai explained the instruments from their industries having compact, handy features offering large range, count, reliability, ruggedness for testing in automation systems. In the second part hands on practice was given to each student consisting insulation testing of the cables, Megger, clamp meter for current measurements on a live conductor without circuit interruption etc. The objective behind conducting is to develop knowledge related to testing and measurement of Electrical measuring instruments for SE students.



WORKSHOP ON TESTING & MEASUREMENT OF ELECTRICAL MEASURING INSTRUMENTS

Syntel Project Training Outline - For All Domains By Global Talent Track(Gtt)

The objective of conducting is to train the youth from economically disadvantaged background (family income less than 3 lac PA) and provide them with technical skills and support to access the employment opportunities from 17th December to 31st December 2019. Session includes Help Desk & Ticketing Tools, Fundamentals of Hardware, O/s and Application S/w Installation Configuration and Troubleshooting, Outlook, Fundamentals of Networking, O/s and Application S/w Installation Configuration and Troubleshooting: Linux, Cloud, CEO Circle - Understanding you, Business Etiquette, Interview Types & skills, Mock Interviews. Details of the same is attached as a separate sheet.



SYNTEL PROJECT TRAINING OUTLINE

In House Internship - Solar Pv Design And Installation For T.E. Electrical

Two weeks internship (Solar PV Design and installation) was arranged by department of Electrical Engineering dated 3rd June 2019 to 15th June 2019 in association with Orion Renewable Energy LLP. Sessions are conducted by Mr. Anil Garde

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(IIT Powai alumni and MD - Orion Renewable Energy LLP) Internship program included theory and practical sessions and field visits during the above mentioned duration.



IN HOUSE INTERNSHIP – SOLAR PV DESIGN AND INSTALLATION

Industrial Visits

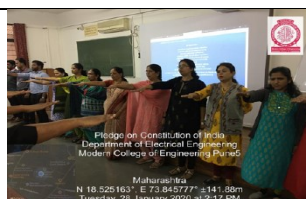
Various industrial visit organised by the department for SE, TE, BE in which students were able to enhance their technical competencies with industrial exposure. It will helps them to understand the curriculum more better for their academic enhancement technically as well as practically. Few glimpse of the visits conducted was Calibration Services, MITCON E-school Pune05 on 30/09/2019 to 01/10/2019 and the objective is to impart the knowledge, concept, procedure and importance of Calibration of Meters. Visit to wind farm was conducted on 11/10/2019 and the objective is to help students get Knowledge of Wind Generation. HVDC terminal station visit, PADGHA was arranged for TE students on 26.02.2020 and the objective behind this is To impart knowledge regarding HVDC installation and commissioning at the terminal station and to increase industry connect so as to gain practical know how about the various aspects of HVDC terminal station. Industrial Visit At L&T Switch Gear Training Centre Bhosari, Pune was arranged for final year students dated on 6/3/2020 and objective is to Study various Switch Gear and Protection Testing kits used in power system protection.



GLIMPSE OF INDUSTRIAL VISITS

Sessions, Expert talks.

Many sessions, experts talk were arranged for SE, TE, BE students to enhance their theoretical skills with practical knowledge various distinguish speakers from industry addresses students with practical impartibility. Few of them are Rigorous Discrete Time Linearization of Periodically Switched Circuits with respect to Duty Cycle Perturbations, Quality & Project Management, Financial Management, Voltage Selection Criteria for Motors And Drive System The Most Optimal, Power System Tariff And Electricity Bill Reading, Fundamental Duties' As Part Of The Adoption Of Constitution Of India, and Overview of ISO 50001 Energy Management Systems Standard Under Vidhyarthi Vikas Mandal was conducted.



GLIMPSE OF VARIOUS SESSIONS, EXPERTS TALKS AND GUEST LECTURES

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Club Activities

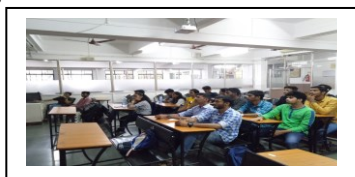
SEEDS OF HOPE

Keeping in mind that we have some responsibility towards society. Department conducted "Seeds Of Hope" social activity and visited BVJSS situated in wagholi ,pune. Members of club visited BVJSS and celebrated "Makarsankranti celebration and nurturing happiness through eco-act".



TECHNOFUEL

Group Discussion activity was held in Electrical Engineering Department from 4:00 pm to 6:00pm. In this session group discussion on Electric vehicles-challenges and government policies in India was conducted. Students of TE 1st & 2nd shift have participated in this discussion. There were two segments of this session 1st session (1 hour) was presentation session in this session 2 club members-Niranjan Koshti and Venkatesh Dhavale have given presentation about this topic and then in next segment (for 1 hour) club members and all present students have done group discussion was the activity incharge.



ROTRACT CLUB

A session was conducted on ENTREPRENEURSHIP SKILL ENHANCEMENT on 05.10.2019. The objective is to give information about entrepreneurship for industry based requirement and to encourage students to consider being an entrepreneur as a career alternative. This program was as an initiative from the T&P of Department of Electrical Engineering & RC Electrical MCOE Metro in bringing forth a very good session for giving information to students regarding various aspects involved in entrepreneurship. The students along with the parent Rotary club of Pune Metro had a detailed idea about financial management, motivation, risk taking and other life skills required to be an entrepreneur.



Staff Achievements

- Prof.Kranti Rahane won Intercollegiate tournament- Won badminton Singles and doubles.

Staff Achievements

- Aniket Kelkar participated in Two days National camp on "Annular Solar Eclipse" held on 25th and 26th Dec 2019 at Jansons Institute of Technology, Coimbatore on 25th and 26th Dec 2019.
- Ms. Yogita Mugade secured 100% marks in NPTEL Spoken Tutorial in Advance CPP course.
- Ms. Ashruba Lokhande secured 90% marks in NPTEL Spoken Tutorial in Advance CPP course.
- Mr. Ayush Jadhav secured 80% marks in NPTEL Spoken Tutorial in Advance CPP course.
- Mr. Nikhil Bhintade secured 75% marks in NPTEL Spoken Tutorial in Advance CPP course.

Techno managerial Event

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M-Pulse is an annual inter-collegiate level technical event of Institution which was started with an intention to enhance the technical and managerial skills of students and provide them an effective platform to face competitive activities. The event is managed by the students for the students. This year it was held on 15.02.2020. The honorable guest present during the function from various professional societies and industries had guided and judged various competitions. Mr. Mukund Chiplunka (President, RC of PM), Mr. Anil Joshi, Member Rotary, Dr. Prof. Mrs. N.R. Kulkarni HOD of Electrical department, Mr. Pradeep Daddikar, Mr. Pushkar Gupta Dr. Prof. Mrs. H. H. Kulkarni, M-Pulse Co-coordinator and Prof. Mr. Kamal Kant Electrical Department Co-coordinator and Asif Patel, Samadhan, Aniket M-pulse student head were present for inaugural function. This year Total four Techno-managerial events were organized. Students work for marketing, advertising, finance, documentation, designing etc.



Smart City Modelling



Techno Quiz



Electrical Safety Skit

Internship details

Department provides various platform to students to get their internships with MOUS and different industries. Students can enhance their practical skills with industrial standards. This year also we have good no of students doing their internships from reputed industries. Around 36 students have done their one week and two weeks internships in companies Like, HI-TECH TRAINING SCHEME, SMASH CONTROLS, BALAJI ELECTRICALS, ICAP AUTOMATION, CENTRAL RAILWAY, SHANTARAM ELECTRIC INDUSTRY, CHANDENSHESH HEAVY ELECTRICAL & ENGINEERING WORK, ECO PURE SOLAR, MSEDCL etc. Student gained practical knowledge and interacted with industry professional for their good academic growth.

Placement Records.

Department has good no of students placed, still many more are in progress. Department of Electrical Engineering provides various courses and training for their skill development, aptitude training, mock interview training, mock test with co cubes. Various mock interviews and test were conducted in which good no of students participated and get the idea of cracking the aptitude and interview. Till now 22 students placed in the department in the company like TCS, Vanderlande, Konecrane, cognizant, Quality Kiosk Technologies, Neilsoft, Ubisoft and Capgemini with good package.



Progressive Education Society's
Modern College of Engineering
Department of Electrical Engineering
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Editorial Desk

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