

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 portals 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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The Solar (Heavens Poetry)

Playful waves of water
Caught the colours of the sky,
And cast the hues of sunset
Rippling softly in my eyes.
Mesmerizing moments,
Opened...wide to heaven's,
Heaven's light.

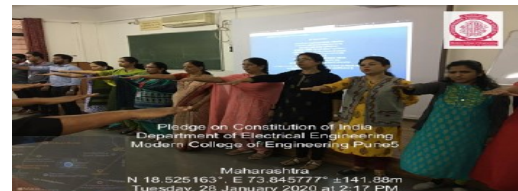
Then the lovely moon arose
She shimmered on the sea;
Sunlight beaming from her face,
To playful waves, then me...

Mesmerizing moments,
Opened...wide to heaven's,
Heaven's light.
Mesmerizing moments,
Opened...wide to heaven's,
Heaven's light...
Mind adrift,
From troubled shores.

Then the lovely moon arose
She shimmered on the sea;
Sunlight beaming from her face,
To playful waves, then me...

ISR Activity (Fundamental Duties' As Part Of The Adoption Of Constitution Of India)

- To abide by the Constitution and respect its ideals and institutions, the National Flag and the National Anthem.
- To uphold and protect the sovereignty, unity and integrity of India.
- To value and preserve the rich heritage of our composite culture.
- To safeguard public property and to abjure violence.



Technical Session on "Recent Trends in rotating machine"

Technical Session was given to students with the help of various stamping of the stator and rotor. Students can demonstrate various application of motors like Induction motor, D.C.Motor, Brushless motors etc. and its objective is To understand the construction, working and operation of various electrical machines like Induction motor, D.C. Motor and advanced motors like BLDC motors.

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

Session 1- Introduction to EV& HEV Technology Technical Trends & Directions by Mr. Hemant Padhye Director, Program and Technology (Automotive) Pro-Business Innovations, Pune

Session 2- Selection of Motors for Electric Vehicles (EVs) with Hands on Demos by Martin Farnandes, Martin-Frank Pvt. Ltd.

Session 3- Li-ion Battery packs & Management System (BMS) with Hands on Demos by Mr. Anant Bhedasgaonkar, Managing Director, Nana Industries, Pune.



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Session 4- Application of Super Capacitor in Electric Vehicles with Cranking Demo on 2-Wheeler by **Mr. Vilas Rabde**, Secretary, Technology Transfer Association (TTA), Pune

Session 5- Hands-on/ Demonstration on Electric Vehicles and Career Opportunities by **Mr. Nitin Banait**, Director, Electric Vehicle Training & Workshop Academy, Pune.

Session 6- Future Connected Car Platforms & Ecosystem by **Mr. Chetan Korke**, Director-Business Development Solutions, Fujitsu Consulting, Pune.

Guest lecture

Expert Talk on HVDC systems

To inculcate basic knowledge of HVDC and the advantages of HVDC system along with its application. • Following topics were covered in the session which was conducted:

- Importance of HVDC system
- Types of HVDC system
- Principle of HVDC system
- Application of HVDC system

Students were able to gain theoretical knowledge about working of HVDC terminal station along with various modes of operation and application.

“Power System Tariff and Electricity Bill Reading”

A expert talk on “Power System Tariff and Electricity Bill Reading” was organized by Department of Electrical Engineering for SE Electrical (I & II Shift). Dr. Santosh Patani, DyEE, from Small Training Center, MSEDCL, Pune who explained process of electricity flow from power generation to distribution. He also explained the generating capacity and load calculation done under MSEDCL. He mentioned about different types of consumers and their tariff calculations. Also explained about different consumer's electricity bill.

Electrical Safety Awareness

The poster making competition included aspects such as the health risks posed by improper handling of electrical equipment, the steps to mitigate these effects, the factors influencing the extent of effects faced, advanced equipment developed to prevent electrical accidents. Also, a small quiz competition for one class was conducted. Students were very actively participated in poster making competition as well as quiz competition. And the winners also got selected among all the groups.

Overview Of Microgrid

. Peer staff lecture is arranged for BE students who opted Smart grid as elective. Prof. Chaphekar pursuing PhD in the topic delivered lecture. She discussed about “Overview of Micro grids”. She mentioned details about “Importance of Energy Storage in smart micro grid” also she discussed about the basic component of micro grid, types of the micro grid, challenges and opportunities in implementation of micro grid. She highlighted the various opportunities and research challenges in DG & micro grid.



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"Internships"

1	Hi-Tech Training Scheme, Industrial Training Institute, Aundh, Pune. 411007,020 22620603, https://www.dvet.gov.in/en/hitech	1	2019-20	7 Days	Technical
2	Hi-Tech Training Scheme, Industrial Training Institute, Aundh, Pune. 411007,020 22620603, https://www.dvet.gov.in/en/hitech	1	2019-20	7	Technical
3	Smash Controls Smash Controls, Smash House, 890 Bhandarkar Institute Rd, Deccan Gymkhana, Pune. 411004,020-25676301, https://www.smashelectrical.com	1	2019-20	7	Technical
4	Smash Controls Smash Controls, Smash House, 890 Bhandarkar Institute Rd, Deccan Gymkhana, Pune. 411004,020-25676301, https://www.smashelectrical.com	1	2019-20	7	Technical
5	Balaji Electricals Balaji Electricals, At/Post-Dedgaon, Tal-Newasa, Dist-Ahmednagar,9860740295,	1	2019-20	7	Technical
6	Balaji Electricals Balaji Electricals, At/Post-Dedgaon, Tal-Newasa, Dist-Ahmednagar,9860740295,	1	2019-20	7	Technical
7	Shreyas interprises Shreyas interprises, H. No.4024 Bendwadi,Fursungi,Pune,020 6410 0999,	1	2019-20	15	Technical
8	Hi-Tech Training Scheme, Industrial Training Institute, Aundh, Pune. 411007,020 22620603, https://www.dvet.gov.in/en/hitech	1	2019-20	7	Technical
9	Hi-Tech Training Scheme, Industrial Training Institute, Aundh, Pune. 411007,020 22620603, https://www.dvet.gov.in/en/hitech	1	2019-20	7	Technical
10	Raymond Uco Denim Pvt Ltd Raymond Uco Denim Pvt Ltd, Plot C-1, MIDC, Lohare, Yavatmal-445001.,91-7232-304500, www.raymond.in	1	2019-20	30	Technical
11	Eco Pure Solar Eco Pure Solar, Kanchan wadi, Paithan Road, Aurangabad. 431005,9403608998,Mabinwade@gmail.com	1	2019-20	20	Technical
12	ICAP Automation , Yamaha Showroom Building, 2nd Floor, Pune-Mumbai Road, Wakadewadi, Shivajinagar, Pune. 411003,9372544944, www.icapautomation.com	1	2019-20	15	Technical
13	Central Railway , Electric Loco Shed, Bhusawal. 425201,02582-222229, https://cr.indianrailways.gov.in	1	2019-20	15	Technical
14	Shantaram Electric Industry Shantaram Electric Industry, Near, A-129, H Block, MIDC Pimpri, Opp Hotel Spree/ New Ball Bearing, Morwadi Court Road, Pimpri Colony, Pune. 411018,8805061111, www.shantaramelectricindustry.com	1	2019-20	15	Technical
15	SHANTARAM ELECTRIC INDUSTRY SHANTARAM ELECTRIC INDUSTRY, Near, A-129, H Block, MIDC Pimpri, Opp Hotel Spree/ New Ball Bearing, Morwadi Court Road, Pimpri Colony, Pune. 411018,8805061111, www.shantaramelectricindustry.com	1	2019-20	15	Technical
16	Shantaram Electric Industry Shantaram Electric Industry, Near, A-129, H Block, MIDC Pimpri, Opp Hotel Spree/ New Ball Bearing, Morwadi Court Road, Pimpri Colony, Pune. 411018,8805061111, www.shantaramelectricindustry.com	1	2019-20	15	Technical
17	Shantaram Electric Industry Shantaram Electric Industry, Near, A-129, H Block, MIDC Pimpri, Opp Hotel Spree/ New Ball Bearing, Morwadi Court Road, Pimpri Colony, Pune. 411018,8805061111, www.shantaramelectricindustry.com	1	2019-20	15	Technical
18	Chandenshesh Heavy Electrical & Engineering Work Chandenshesh Heavy Electrical & Engineering Work, Plot No. C-14/12, MIDC, Khamgaon. 444303,9422884465,	1	2019-20	15	Technical
19	Sudarshan Industries , B-29, MIDC, Ahmednagar.,9545945651,	1	2019-20	15	Technical
20	Sudarshan Industries , B-29, MIDC, Ahmednagar.,9545945651,	1	2019-	15	Technical

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			20		
21	MSEDCL, 33 KV Substation, Sundarwadi, Aurangabad.,0240-2480688, http://www.mahadiscom.in	1	2019-20	15	Technical
22	MSEDCL, 33 KV Substation, Sundarwadi, Aurangabad.,0240-2480688, http://www.mahadiscom.in	1	2019-20	15	Technical
23	MSEDCL,Ratnagiri,Nachane road,7875624813, http://www.mahadiscom.in	1	2019-20	15	Technical
24	TechnoSafe Enterprises TechnoSafe Enterprises, 101, Shivsagar, Plot No.65, Sector .19, Kamothe, Navi Mumbai. 410209,9594981354, Sale.technosafe@gmail.com	1	2019-20	10	Technical
25	Megha Electrical And fabrication Works Megha Electrical And fabrication Works,Jail road Nashik,9325147805,	1	2019-20	10	Technical
26	Epitom Components Pvt Ltd Epitom Components Pvt Ltd, MIDC Ahemadnagar,080877 08734, http://www.epitomeindia.com/	1	2019-20	30	Technical
27	Aditya Electronic & Electricals Aditya Electronic & Electricals, Chimbli Phata, Chakan,9850726284, ekanathkamble181@gmail.com	1	2019-20	20	Technical
28	TCS ION (Knock down the lock down) TCS ION, Digital learning Hub,,Through campus commune	1	2019-20	30	Technical
29	TCS ION (Knock down the lock down) TCS ION, Digital learning Hub,,Through campus commune	1	2019-20	30	Technical
30	Volkswagen, India Pvt. Ltd. Volkswagen, India Pvt. Ltd. , MIDC Phase 3, Chakan,2135661024,	1	2019-20	30	Technical
31	TCS ION (Knock down the lock down) TCS ION, Digital learning Hub,,Through campus commune	1	2019-20	30	Technical
32	WRS Energy Solutions WRS Energy Solutions, GPO road Nashik, 422001,0253-2500472,website: http://wersolar.in/	1	2019-20	15	Technical
33	TCS ION (Knock down the lock down) TCS ION, Digital learning Hub,,Through campus commune	1	2019-20	30	Technical
34	TCS ION (Knock down the lock down) TCS ION, Digital learning Hub,,Through campus commune	1	2019-20	30	Technical
35	TCS ION (Knock down the lock down) TCS ION, Digital learning Hub,,Through campus commune	1	2019-20	30	Technical
36	TCS ION (Knock down the lock down) TCS ION, Digital learning Hub,,Through campus commune	1	2019-20	30	Technical
37	TCS ION (Knock down the lock down) TCS ION, Digital learning Hub,,Through campus commune	1	2019-20	7	Technical
38	TCS ION (Knock down the lock down) TCS ION, Digital learning Hub,,Through campus commune	1	2019-20	30	Technical
39	TCS ION (Knock down the lock down) TCS ION, Digital learning Hub,,Through campus commune	1	2019-20	30	Technical
40	TCS ION (Knock down the lock down) TCS ION, Digital learning Hub,,Through campus commune	1	2019-20	30	Technical
41	STTP - skill development online training program -Jayawant Shikshan Prasarak Mandal,Survey No.80, Pune-Mumbai Bypass Highway,Tathawade, Pune 411033,(020)-22933423,22934344,22934347,22934084, info@jspm.edu.in	1	2019-20	7	Technical
42	TCS ION (Knock down the lock down) TCS ION, Digital learning Hub,,Through campus commune	1	2019-20	30	Technical
43	TCS ION (Knock down the lock down) TCS ION, Digital learning Hub,,Through campus commune	1	2019-20	30	Technical

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44	TCS ION (Communication skills) TCS ION, Digital learning Hub,,Through campus commune	1	2019-20	30	Technical
45	TCS ION (Knock down the lock down) TCS ION, Digital learning Hub,,Through campus commune	1	2019-20	30	Technical
46	Vishvakariya Automotive pvt. Ltd & Jhulelal Institute of Technology Jhulelal Institute of Technology, Nagpur,0712 266 8234,chawlaml@jit.org.in	1	2019-20	7	Technical
47	TCS ION (Communication skills) TCS ION, Digital learning Hub,,Through campus commune	1	2019-20	30	Technical
48	TCS ION (Knock down the lock down) TCS ION, Digital learning Hub,,Through campus commune	1	2019-20	30	Technical
49	TCS ION (Communication skills) TCS ION, Digital learning Hub,,Through campus commune	1	2019-20	10	Technical
50	TCS ION (Knock down the lock down) TCS ION, Digital learning Hub,,Through campus commune	1	2019-20	20	Technical
51	TCS ION (Knock down the lock down) TCS ION, Digital learning Hub,,Through campus commune	1	2019-20	30	Technical
52	Digital skills for work & life Accenture, Prestige Technopolis, 1/8, Dr.MH Maregowda Road, Audugodi, Bengaluru, Karnataka, India, 560029,918061180002,futurelearn.com	1	2019-20	20	Technical
53	Artificial Intelligence Accenture, Prestige Technopolis, 1/8, Dr.MH Maregowda Road, Audugodi, Bengaluru, Karnataka, India, 560029,918061180002,futurelearn.com	1	2019-20	15	Technical
54	TCS ION (Knock down the lock down) TCS ION, Digital learning Hub,,Through campus commune	1	2019-20	30	Technical
55	TCS ION (Knock down the lock down) TCS ION, Digital learning Hub,,Through campus commune	1	2019-20	30	Technical
56	TCS ION (telephone ethics, email etiquette & presentation skills) TCS ION, Digital learning Hub,,Through campus commune	1	2019-20	30	Technical
57	Vishvakariya Automotive pvt. Ltd & Jhulelal Institute of Technology Jhulelal Institute of Technology, Nagpur,0712 266 8234,chawlaml@jit.org.in	1	2019-20	7	Technical
58	TCS ION (Knock down the lock down) TCS ION, Digital learning Hub,,Through campus commune	1	2019-20	7	Technical
59	TCS ION (Knock down the lock down) TCS ION, Digital learning Hub,,Through campus commune	1	2019-20	7	Technical
60	TCS ION (Knock down the lock down) TCS ION, Digital learning Hub,,Through campus commune	1	2019-20	30	Technical
61	Coursera (new models of business in society, marketing analytics & data science mapped skills) University of Virginia & Duke University,,Through coursera student training	1	2019-20	30	Technical
62	TCS ION (Knock down the lock down) TCS ION, Digital learning Hub,,Through campus commune	1	2019-20	30	Technical
63	TCS ION (Knock down the lock down) TCS ION, Digital learning Hub,,Through campus commune	1	2019-20	30	Technical
64	Digital skills: Artificial intelligence Accenture, Prestige Technopolis, 1/8, Dr.MH Maregowda Road, Audugodi, Bengaluru, Karnataka, India, 560029,918061180002,futurelearn.com	1	2019-20	30	Technical
65	PowerTech Energy Solutions PowerTech Energy Solutions, Above Ekbote hospital, revenue colony, Shivajinagar, Pune - 05,9226936163.ptenergysave@gmail.com	1	2019-20	30	Technical
66	TCS ION (Knock down the lock down) TCS ION, Digital learning Hub,,Through campus commune	1	2019-20	7	Technical

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	campus commune		20		
67	TCS ION (Knock down the lock down) TCS ION, Digital learning Hub,,Through campus commune	1	2019-20	30	Technical
68	TCS ION (Knock down the lock down) TCS ION, Digital learning Hub,,Through campus commune	1	2019-20	30	Technical
69	Developing soft skills & personality NPTEL, IIT Kanpur,, https://nptel.ac.in/noc/	1	2019-20	2	Technical
70	Tata Steel Capability development training online training program -Tata Steel Capability development training, SNTI, N-Road, Bistupur, Jamshedpur 831001,, elarningtatasteel@conneqtcorp.com	1	2019-20	30	Technical
71	Tata Steel Capability development training online training program -Tata Steel Capability development training, SNTI, N-Road, Bistupur, Jamshedpur 831001,, elarningtatasteel@conneqtcorp.com	1	2019-20	30	Technical
72	Tata Steel Capability development training online training program -Tata Steel Capability development training, SNTI, N-Road, Bistupur, Jamshedpur 831001,, elarningtatasteel@conneqtcorp.com	1	2019-20	7	Technical
73	Schneider Electric online training program- Schneider Electric, DLF Cyber City, Phase II, Gurgaon,122002, Gurgaon, India,18001030011,	1	2019-20	7	Technical
74	Schneider Electric online training program- Schneider Electric, DLF Cyber City, Phase II, Gurgaon,122002, Gurgaon, India,18001030011,	1	2019-20	15	Technical
75	Schneider Electric online training program- Schneider Electric, DLF Cyber City, Phase II, Gurgaon,122002, Gurgaon, India,18001030011,	1	2019-20	7	Technical

Industrial Visits

1	Supa Wind Mill (M.I.D.C.) , Dist Ahmednagar ,Suzlon Industries Ltd.Supa, Ahmadnagar, dchandrakant@suzlon.com ,9822323815	140	2019-20	2 days	Technical
2	Mitcon Consultancy and Engineering Services Limited E-School, Pune-5,opp. Sancheti Hospital, Shivajinagar, Pune, Maharashtra , md@mitconindia.com ,020-2553 4322, 2553 3309	140	2019-20	2 days	Technical
3	Crompton Greaves Ltd.Dist Ahmednagar ,CG Power and Industrial Solutions Ltd, LT motors division in Ahmednagar, Maharashtra, krishnasish.nath@cgglobal.com ,7264805351	138	2019-20	2 days	Technical
4	400 KV Substation (Phase-II), Lonikand, Dist-Pune, Lonikand, 7447440515	138	2019-20	2 days	Technical
5	Load Dispatch Centre, Kalwa Dispatch Centre, Mumbai,Thane - Belapur Rd, MSEB Staff Colony, TTC Industrial Area, Airoli, Navi Mumbai, Maharashtra , scada.slde@mahasldc.in ,022 2760 1765	150	2019-20	2 days	Technical
6	Industrial Visit for Power System-II Padaghe , Thane (HVDC Link),HVDC Terminal station , MSETCL, Mumbai -Nasik Highway, Padgha, se7300@mahatransco.in , < adee7300@mahatransco.in >,9769006194	140	2019-20	2 days	Technical
7	Industrial Visit to Bhima Shankar Sakhar Karkhana,Pargaon Phata, Pargaon Shingave, Maharashtra , bsskltd@gmail.com , (02133)284241	138	2019-20	2 days	Technical

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8	Industrial visit to L&T training centre ,Bhosari,Pune,L&T Electrical&Automation,Switch Gear Training Centre,T-156,MIDC,Bhosari, Pune,Smita.bhagat@LNTebg.com,9657311806	90	2019-20	2 days	Technical
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M-Pulse 2K19

Technical Quiz

The event was conducted in P.E.S. Modern college of Engineering for 1 day on 15th February ,2020 & Saturday It started at 11a.m by inauguration by judges. The judges were Prof.Rupesh Borkar, Prof.Shreyas Kechkar. The event helped the participants to develop their Technical Knowledge, Decision making Ability skills and the body language as well. Also, it provided an opportunity for many introspects to the participants. The participants included the students of different engineering colleges. The team who made Best Performance in Three Rounds was declared as the winner. The footfall for the event was very good. The Event took Place Successfully under the Warmth Environment.

Mock Placement

The event gave a hand-on experience about how the recruitment and screening process are held. There were 3 rounds kept as the trend of these process:

- Round 1: Aptitude Tests
- Round 2: Group Discussions
- Round 3: Personal Interview

A panel of judges was always seated to judge, mentor and marking the participants. The judgment made by them was unbiased.







Electrical Safety Skit

The event built up awareness about electrical safety. There was a group of people and they performed skit for electrical safety. A panel of judges Mrs.Shilpa Joshi, Mrs V S Jape and Mrs Rajani Hardas analyses the performance and the better one was awarded.

Smart City

Inauguration of the event was done by our guest, Mr. Anil Joshi, Mr. Mukund Chiplunkar, Mr Hemant, Mr.Pradeep Daddikar and Mr. Pushkar Gupta The event started with the first round in which the students were prepared a model required for smart City Development. Based on the effective utilization of Technology the event was successfully conducted. The Group has effectively uses the technology in all respect was awarded winner for the event

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Name of Particulars	Photos	
Inauguration		
Smart City Modelling		
Electrical Safety Skit		

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Technical Quiz		
Mock Placement		
Poster Inauguration		
Project Exhibition		

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Progressive Education Society's
Modern College of Engineering
Department of Electrical Engineering
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Maharashtra, Affiliated to Savitribai Phule Pune University,
Accredited by NAAC with "A Grade", Awarded for Best
College by SPPU.

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Prof. Dr. Mrs. N.R. Kulkaarni
Prof. Mr. Kamal Kant