



AISSMS IOIT

DEPARTMENT OF ELECTRICAL ENGINEERING

# ELECTROGRAPH

NEWS LETTER 2020-21 SEM-I



## Program Education Objectives (PEOs)

**PEO1:** Equip graduates with skills to excel in academic, professional career and higher studies.

**PEO2:** Inculcate ability among the graduates to investigate problems in engineering and provide effective solutions.

**PEO3:** Prepare graduates to engage in lifelong learning by developing in them professional social and Ethical attitude.

## Program Specific Outcomes (PSOs)

**PSO1:** Graduates will able to identify problems in the field of electrical engineering and analysis/ design/ develop solutions.

**PSO2:** Graduates will be able to select and apply different software tools required for design and/or analysis of electrical systems.

## PROGRAM OUTCOMES (POs)

**PO1.** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems. [Engineering knowledge]

**PO2.** Identify, formulate, research literature, and analyses complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences. [Problem analysis]

**PO3.** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations. [Design/development of solutions]

**PO4.** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions. [Conduct investigations of complex problems]

**PO5.** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations. [Modern tool usage]

**PO6.** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice. [The engineer and society]

**PO7.** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development. [Environment and sustainability]

**PO8.** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice. [Ethics]

**PO9.** Function effectively as an individual, and as a member or leader in diverse teams, & in multidisciplinary settings. [Individual & team work]

**PO10.** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions. [Communication]

**PO11.** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments. [Project management and finance]

**PO12.** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change. [Life-long learning]

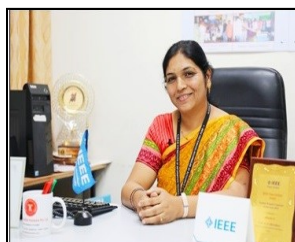
## Students Placement Year 2019-2020

No. of students Placed in various Companies: 58

### Major Recruiters & Package

1. Byju's (10 Lakh Per Annam)
2. Square Yard (04 Lakh Per Annam)
3. Concentrix (03 Lakh Per Annam)
4. I-Research (03 Lakh Per Annam)

## Department Achievements



Dr. A. D. Shiralkar  
Head of Department

Successfully completed  
**Ph.D.**  
from COE, Savitribai  
Phule Pune University,  
Pune.

**Congratulations**

### Best Performance Award (AISSMS IOIT, Pune):

- 1st Rank – Mr. Sachin Shelar  
3rd Rank – Mr. Sandeep Chaudhari

**Grant of Rs. 25,00,000/- received for “Development of PQ Experience Center”** to Mr. Sachin Shelar from Smt. Mira Tagare, Madhav Capacitors, Bhosari.

### Memorandum of Understanding (MoU):

Messung System Pvt. Ltd., Pune.  
Resource Person– Mr. Farook Merchant  
Area – Energy/Power Quality Audit, Project.

## Student's Achievements

Nikhil Chawhan (BE – Electrical) won Third Prize amount of Rs.3000/- in INOVATION 2020 National Level event organized by SVKM's Shri Baghubhai Maftalal Polytechnic , Mumbai.

Swajeet Budhawant (BE – Electrical) won First Prize in Content Writing Competition Organized by IEEE - AISSMS's IOIT Students' Branch, Pune

## Books Published

Sr. No	Name of the Teacher/Author	Title of the Book	Name of Publication	Year of Publication	ISBN/ISSN No.
1	Mr. S. M. Chaudhari	Power Generation Technologies	Techknowledge Publications	Sep 2020	978-93-89889-83-3
2	Mr. S. M. Chaudhari	Electrical Materials and Wiring Practice	Techknowledge Publications	Oct 2020	978-93-90428-64-9
3	Mr. S. M. Chaudhari	Illumination & Electrification of Buildings (Elective)	Techknowledge Publications	Sept 2020	978-93-89299-68-7
4	Mr. S. M. Chaudhari	Electrical Power System I	Techknowledge Publications	Sept 2020	978-93-89889-96-3
5	Mr. S. M. Chaudhari	Fundamentals of Electrical Machines & Measurement	Techknowledge Publications	Sept 2020	978-81-947597-9-9

## Resource Person

Sr. No	Staff Name	Date	Place & Platform	Details
1	Dr S. M. Bakre	08/09/2020	MSEDCL, O & M Circle Ahmednagar.	Delivered expert lecture for utility engineers on KVAH Billing
2	Dr S. M. Bakre	20/09/2020	Subordinate Engineers Association, Pune.	Delivered expert lecture for utility engineers on metering practices for EHV.
3	Mr. S. V. Shelar	27/09/2020	AISSMS IOIT Pune, Virtual	Webinar "Metering Practices in EHV Transmission Systems" to MSETCL engineers
4	Mr. S. V. Shelar	27/09/2020	AISSMS IOIT Pune, Virtual	Webinar "KVAH Billing Systems" to MSEDCL engineers and industries in Ahmednagar
5	Mrs. S. M. Shaikh	23/06/2020	AISSMS IOIT Pune, Virtual	Curriculum Implementation Workshop Second Year – Electrical Engineering (2019 Course) for the course "Material Science" organized by Department of Electrical Engineering, Sinhgad Institute of Technology, Lonavala
6	Dr. P. B. Mane Mrs. S. M. Shaikh	10/10/2020	AISSMS IOIT Pune, Virtual	Awareness program on New Education Policy 2020 - School Perspective for SSPMS Day School
7	Mr. S. D. Raste	01/09/2020 to 06/09/2020	Ion Digital Zone Ramtekdi 2, Hadapsar.	National Test Agency Appointment as Observer for the Conduct of JEE Entrance Exam 2020
8	Mr. S. D. Raste	13/09/2020	Singhgad Institute of Management, Pune	National Test Agency Appointment as Observer for the Conduct of NEET (UG) EXAM 2020
9	Mr. S. D. Raste	16, 17 & 22/09/2020	Ion Digital Zone Ramtekdi 1, Hadapsar.	National Test Agency Appointment as Observer for the Conduct of ICAR AIEEA 2020
10	Mr. S. D. Raste	28/09/2020	Priyadarshani School, Hadapsar.	National Test Agency Appointment as Observer for the Conduct of AIAPGET- 2020

### Teaching Staff who attended Workshop/ Webinar.

Sr. No.	Name of Staff	Workshop/ Course	Faculty Development Program	Webinar
1	Dr. S. M. Bakre	00	02	124
2	Dr. A. D. Shiralkar	01	03	02
3	Mr. S. V. Shelar	01	00	00
4	Mr. S. M. Chaudhari	07	07	05
5	Mrs. K. S. Gadgil	07	07	05
6	Mr. S. S. Shingare	02	03	20
7	Mr. V. S. Kamble	01	05	00
8	Mrs. S. S. Landge	00	04	01
9	Mrs. S. M. Shaikh	00	00	11
10	Mrs. V. P. Kuralkar	02	05	03
11	Mr. P. P. Mahajan	00	03	02
12	Mr. S. N. Powniker	02	04	02
13	Mr. S. D. Raste	04	02	11

### Non-teaching Staff who attended FDP/ Webinar.

Sr. No.	Name of Staff	Event	Organized by	Date and Event
1	Ms. S. S. Ingle	Five Days National Level Skill Development Program on "Advanced Tools and Concepts for Lab Development and Maintenance"	Pimpri Chinchwad College Of Engineering, Pune.	01/06/2020 to 05/06/2020
2	Ms. S. S. Ingle	One Week online workshop on Effective use of Digital tools in Academic Administration- "Work from Anywhere Anytime"	SPPU Edutech Foundation, Human Resource Development Center, Pune.	08/06/2020 to 13/06/2020
3	Ms. S. S. Ingle	One week online training program on "Microsoft Digital Literacy"	IT Department, AISSMS IOIT, Pune.	15/06/2020 to 19/06/2020
4	Ms. S. S. Ingle	International Level - One week staff development program on introduction to computer	IIT, Bombay projected by AISSMS COE, Pune.	03/07/2020 to 09/07/2020
5	Ms. S. S. Ingle	Quiz on "Online Quiz on Lab Safety Management"	Pimpri Chinchwad College of Engineering Nigdi, Pune	16/07/2020 to 18/07/2020
6	Mr. S. N. Pawar	One week online training program on "Microsoft Digital Literacy"	IT Department, AISSMS IOIT, Pune.	15/06/2020 to 19/06/2020
7	Mr. S. N. Pawar	International level one week online staff development Program on Introduction to Computers	Spoken Tutorial , IIT Bombay and AISSMS COE , Pune.	03/07/2020 to 09/07/2020

**Industry Institute Interaction**

Industrial Visit	Sr. No	Date of Visit	Class	Company	No of Students Visited	Organized by/ Attended by
	1	26/10/2020	BE	Testing and Communication Circle, MSETCL, Pune	4	Dr. S. M. Bakre
	2	11/07/2020	-	Ganeshkhind Substation to Observe Transformer Maintenance and Charging process	-	Mr. S. M. Chaudhari

**Power Quality Cell Activities**

Sr. No.	Date From	Date To	Consultancy For	Industry
1	10/06/2020	30/06/2020	Messung Systems	Messung Systems
2	10/07/2020	10/07/2020	VIT College	VIT College
3	27/07/2020	29/07/2020	Reflexis systems India Pvt Ltd	Reflexis systems India Pvt Ltd
4	01/08/2020	01/08/2020	Subodhan Engineers Pvt Ltd	Viraj Engineer
5	02/09/2020	02/09/2020	Shubhshree Enterprises	OTPI Components Pvt Ltd
6	14/10/2020	14/10/2020	Subodhan Engineers Pvt Ltd	Rucha Engineers Pvt. Ltd.
7	29/06/2020	12/09/2020	Messung Systems	Messung Systems
8	20/10/2020	21/10/2020	Messung Systems	Stamco Steel
9	14/10/2020	27/10/2020	SAS Power tech Pvt Ltd	CDAC Pune



The time is not come for impartial history. If the truth were told just now, it would not be credited.

## Professional Cell Activities

### IEEE Students' Branch

Sr. No.	Date	Activity Details/ Topic	Resource Person
1	03/09/2020 – 04/09/ 2020 Google forms	Extempore speech Organized by Electrical No of Students :60	Mrs. S. M.Pownikar Saba Shaikh

### ISTE/IE(I) Student's Branch

Sr. No.	Date	Activity Details with class & students' count	Resource person/ Judge
1	03/09/2020	Online technical quiz (SE/TE/BE) level 1: No of students 70 level 2: No of students 22	....
2	03/09/2020	Circuit making competition No of students :13	.....
3	03/09/2020	Poster making "Role of engineers in society" No. of students : 3	Mrs. Sujata Pownikar
4	01/07/2020	Online Webinar on "GETTING STARTED" SE/TE/BE No of students : 60	.....
5	22/10/2020	Online webinar on Women Empowerment "SAKHI" SE/TE/BE girl students and female faculty members Total :38	.....
6	06/07/2020	Webinar on electric Vehicles – future of Automobiles BE Class No of students : 62	Mr. Aniket Shinde
7	29/06/2020	Webinar On Electrical Switch Gear & its Applications NO of participants :160	Mr. Shivanand D.V. CEO, Universal Power Control.
8	11/07 /2020	Webinar: Substation Earthing No of students : 80	Mr. Mahesh Ghadge
9	23/07/2020	Online Webinar on "Career Opportunities In Facility Management No of students : 117	Mr. Anirudha Pawar. Facilities & Project Manager, PA India.TA Services Pvt. Ltd., Pune
10	27/09/2020	Webinar - Metering Practices in EHV Transmission Systems No of participants :55	Dr. S. M. Bakre (Professor) Mr. Sachin Shelar (Assistant Professor) AISSMS IOIT Pune
11	09/08/2020 to 16/08/2020	Online technical quiz on Electrical Power System No of participants : 72	.....
12	15/09/2020	Engineer's Day Celebration Organized By: Mr. S. V. Shelar Mrs. K. S. Gadgil No of participants :111	Er. Anant Waghchoure Manager Sales Megger India Pvt . Ltd

## Electrical Engineering Student Association

EESA inauguration program was conducted virtually on 14th Aug ,2020, 10:00am Webex Digital platform

Events organized under EESA "ENTHUSIA", Teacher's day event.

Total 14 activities conducted in "ENTHUSIA" from SE,TE,BE 120 students actively participated in Cultural, Sports, Technical activities.

EESA Inauguration 2020-21



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**ELECTROGRAPH**

**Faculty Knowledge Forum**

Sr. No	Name of Staff	Date	Details of activities performed
1	Dr. S.M. Bakre	22/07/2020	Python Applications in Electrical Engineering
2	Mrs. S. M. Shaikh	19/06/2020	Virtual Lab Introduction and Demo
3	Mr. S. V. Shelar	26/06/2020	KVAH Billing Case Studies
4	Mr. P.P. Mahajan	30/06/2020	Control Strategies
5	Mr. S. S. Shingare	18/07/2020	How to use Open Broadcaster Software (OBS Studio) for recording videos.
6	Mr. S. D. Raste	21.07.2020	Administrative part- issue Electrical Supervisor/ Contractor License, tender
7	Mr. V. S. Kamble	04/08/2020	Rules and Regulations for Under Graduate Program (2019 Course) in Engineering.
8	Dr. A. D. Shiralkar	11/08/2020	How to write a quality technical journal/ conference paper
9	Mrs. K. S. Gadgil	12/08/2020	Power Markets and Exchange Operations
10	Mrs. S. S. Landge	18/08/2020	Solar DC Micro grid for Indian Homes.
11	Mrs. V. P Kuralkar	21/08/2020	SOFTWARE FEMM
12	Mr. S. M. Chaudhari	25/08/2020	Fabrication of mobile –phone stand for on-line teaching learning process
13	Mrs. S. N. Powniker	09/09/2020	Solar system Design and case study



**Other Activities**

**Entrepreneurship Activities:**

Soft skill Training— two days workshop organized by Sujata Powniker in association with Alumni branch for SE Class on “Time management and productivity:”  
Ms. Reshma Wable, Designation :Founder of SORT, Communication and Productivity Coach

**T&P Cell:**

On 23/06/2020 Webinar organized on topic “Career Opportunities in Facility Management”  
Speaker- Mr. Aniruddha Pawar Facility & Project Manager, TA Services Pvt. Ltd., Pune.

**Industrial Training :**

68 students from BE and TE class successfully completed Industrial training of one month

**Media Coverage:**

Link for article written by Mrs . A. D. Shiralkar promoted India Real Web Platform  
<https://indiareal.in/?p=34546&lang=en>

**REC Cell:**

The students of the department carry out energy conservation drives and also celebrates Akshay Urja diwas on 20<sup>th</sup> August every year.

**Student Editor** — Ms. Harshada Patil T.E. Electrical  
**Teacher Editor** — Mr. S.D. Raste, Asst. Professor Electrical

**Publisher** — Dr. A. D. Shiralkar, HOD  
Department of Electrical Engineering



AISSMS IOIT

DEPARTMENT OF ELECTRICAL ENGINEERING

# ELECTROGRAPH

NEWS LETTER 2020-21 SEM-II



News Letter 2020-21 Sem-II

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## Students Placement Year 2020-21

14 Students

Sr. No.	Name Of the Students	Name Of Company
1	Prasad Waykole	TATA Consultancy Services
2	Arpit Ghate	Amazon
3	Sharwari Pimparkar	TATA Consultancy Services
4	Sushant Londhe	Neilsoft
5	Shubham Khaire	Neilsoft
6	Sharwari Pimparkar	Neilsoft
7	GargeeAuti	Square Yards
8	Shubham Ahire	Square Yards

## Department Achievements

### Faculty Achievements

Mrs. Sujata Powniker win Miss Confident Award in AISSMS DIWA 2021 EVENT.

### Students' Achievements

Sanket Bormane TE Electrical	2nd Prize—National Level virtual students' conference on AI,ML and IOT application in electrical engineering. Organized by : KK WIEER , NASHIK 20/11/2020 - 21/11/2020
Sanket Bormane Atharva Taware TE Electrical	In grand finale—National Level Toycathon 2021 Organized by :MoE's INNOVATION CELL , GOVT OF INDIA
Tushar,khulare, yash bhurse, Rahul Avhad, Suyog patgave	3rd prize in Electrical Power Systems & Machines domain of Online National level Project Competition organised at PES's Modern College of Engg

### Memorandum of Understanding (MoU):

Sr. No	Industry, Resource Persons, Date	Area of Interaction
1	PQExcel solutions LLP - Mr. Amey Pataskar 01/03/2021	Skill based training, education and research and development, curriculum design, industrial training and visits, internship and placement, expert lecture and FDP.
2	SAS PowerTech Pvt. Ltd - Dr. Narendra Duvedi 10/06/2021	Skill based training, education and research and development, curriculum design, industrial training and visits, internship and placement, expert lecture and FDP.

## Books Published

Sr. No	Name of the Teacher/Author	Title of the Book	Name of Publication	Year of Publication	ISBN/ISSN No.
1	Mr. S. M. Chaudhari	Electrical Materials And Wiring Practices	Techknowledge Publications	October 2020	978-93-90428-64-9
2	Mr. S. M. Chaudhari	Power System-III	Techknowledge Publications	November 2020	978-93-90428-59-5
3	Mr. S. M. Chaudhari	Design Management And Auditing of Electrical Systems	Techknowledge Publications	November 2020	978-93-89828-45-0
4	Mr. S. M. Chaudhari	Electrical Machines-II	Techknowledge Publications	November 2020	978-93-90428-53-3
5	Mr. S. M. Chaudhari	Electrical Machines-II	Techknowledge Publications	November 2020	978-93-90428-70-0

## Seminar/Workshops/Conference Organized

Sr. No.	Department	Topic	Conducted by	Date
1	Electrical	Webinar on Condition Monitoring for SAE, MSEB	Dr. S. M. Bakre Mrs. S. M. Shaikh	31/01/2021

## Resource Person

Sr. No	Staff Name	Date	Place & Platform	Details
1	Dr. S. M. Bakre	23/02/2021	JSPM, Pune	Expert lecture on Python Application in Electrical Engineering
2	Dr. S. M. Bakre	31/01/2021		Expert lecture on Python Application in Electrical Engineering
3	Dr. S. M. Bakre	04/01/2021		EHV metering in power Sector (IEEMA Journal )
4	Dr. A. D. Shiralkar	27/12/2020	K.K.Wagh, Nasik	LIC Committee visit- Subject Expert
5	Mrs. K. S. Gadgil	27/03/2021	PES Modern College of Engineering, Pune	Subject Expert - Numerical Method and Computer Programming - SE 2019 Refresher Program
6	Mr. P. P. Mahajan	27/03/2021	PES Modern College of Engineering, Pune	Resource person: Fundamentals of microcontroller and applications - SE 2019 Refresher Program
7	Mr. S. M. Chaudhari	02/02/2021	Khadakwadi, Loni dhamni, Tal-Ambegaon	Environmental Studies Social Visit -Briefing information about various plants and tree plantation project at Dolphin Hill
8	Mr. S. D. Raste	24/01/2021	IIAEIT, Shivane	Under the National Test Agency as an Observer Conduct (IIFA) MBA Entrance Exam.
9	Mr. S. D. Raste	24-26 Feb, 2021	IIAEIT, Shivane	Under the National Test Agency as an Observer Conduct JEE Feb (Main) 2021 Exam.
10	Mr. S. D. Raste	16-18 March, 2021	IIAEIT, Shivane	Under the National Test Agency as an Observer Conduct JEE (Main) 2021 Exam.
11	Mr. S. D. Raste	31/03/2021	IIAEIT, Shivane	Under the National Test Agency as an Observer Conduct CMAT 2021 Examination.

***Vision:*** Contribute to the society by imparting quality education in the field of Electrical Engineering and prepare students to succeed in their professional career by inculcating in them high human values.



## Teaching Staff who attended Workshop/ Webinar.

Sr. No.	Name of Staff	Event	Organized by	Date and Event
1	Dr. A. D. Shiralkar	AICTE Training And Learning (ATAL) Academy Online FDP on "Internet of Things (IoT)"	Kongunadu College of Engineering and Technology.	25/01/2020 to 29/01/2020
2	Dr. A. D. Shiralkar	STTP on Control System Design- Classical & Modern with Hands-on.	College of Engineering, Pune	22/03/2021 to 27/03/2021
3	Dr. S. M. Bakre	IEEE Pune CON paper	VIT , Pune	18/12/2020
4	Dr. S. M. Bakre	National Conference on data Science	IMDR , Pune	6/03/2021
5	Dr. S. M. Bakre	IARA conference on Engineering and technology	IIIR, Bhopal	6/01/2021
6	Mr. S. V. Shelar	AICTE Training And Learning (ATAL) Academy Online FDP on "Internet of Things (IoT)"	Shri Ramdeobaba College of Engineering and Management.	15/12/2020 to 19/12/2020
7	Mr. S. M. Chaudhari	AICTE-online workshop on "Inculcating Universal Human Values in Technical Education"	All India Council for Technical Education (AICTE).	26/10/2020 to 30/10/2020
8	Mrs. K. S. Gadgil	AICTE Training And Learning (ATAL) Academy Online FDP on " Internet of things"	Shri Ramdeobaba College of Engineering and Management.	15-12-2020 to 19-12-2020
9	Mrs. K. S. Gadgil	AICTE Training And Learning (ATAL) Academy Online FDP on " Energy Storage"	Malaviya National Institute of Technology Jaipur.	22-2-2021 to 26-2-2021
10	Mrs. K. S. Gadgil	Online NPTEL Course on Solar Photovoltaics: Principles, Technologies & Materials	IIT Kanpur	12-01-2021 to 21-3-2021
11	Mrs. K. S. Gadgil	Online AICTE ISTE Sponsored Refresher Course on "Small Wind Turbines : Design, Development & Testing"	Trinity College of Engineering and Research Pune	31/03/2021 to 06/04/2021
12	Mr. S. S. Shingare	AICTE Training And Learning (ATAL) Academy Online FDP on "Electrical Vehicles "	University College of Engineering Villupuram	30-11-2020 to 04-12-2020
13	Mr. S. S. Shingare	Online AICTE ISTE Sponsored Refresher Course on "Small Wind Turbines : Design, Development & Testing"	Trinity College of Engineering and Research Pune	31/03/2021 to 06/04/2021
14	Mrs. S. S. Landge	AICTE sponsored online FDP on " Future trends in Renewable Energy"	Laxmi Narain College of Technology, Bhopal	15-03-2021 to 28-03-2021
15	Mrs. S. S. Landge	AICTE Training And Learning (ATAL) Academy Online FDP on " Internet of things"	Shri Ramdeobaba College of Engineering and Management.	15-12-2020 to 19-12-2020
16	Mr. V. S. Kamble	Online AICTE ISTE Sponsored Refresher Course on "Small Wind Turbines : Design, Development & Testing"	Trinity College of Engineering and Research Pune	31/03/2021 to 06/04/2021
17	Mrs. S. M. Shaikh	AICTE Training And Learning (ATAL) Academy Online FDP on "Energy Engineering" - Machine learning for Smart Grid Application	GLOBAL ACADEMY OF TECHNOLOGY.	07-12-2020 to 11-12-2020
18	Mrs. V. P. Kuralkar	AICTE Training And Learning (ATAL) Academy Online FDP on " Internet of things"	Shri Ramdeobaba College of Engineering and Management.	15-12-2020 to 19-12-2020
19	Mrs. V. P. Kuralkar	AICTE Training And Learning (ATAL) Academy Online FDP on " Energy Storage"	Malaviya National Institute of Technology Jaipur.	22-2-2021 to 26-2-2021
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22	Mrs. V. P. Kuralkar	Online AICTE ISTE Sponsored Refresher Course on "Small Wind Turbines : Design, Development & Testing"	Trinity College of Engineering and Research Pune	31/03/2021 to 06/04/2021
23	Mr. P. P. Mahajan	AICTE Training And Learning (ATAL) Academy Online FDP on "Electrical Vehicles "	IFET COLLEGE OF ENGINEERING.	30-11-2020 to 04-12-2020
24	Mrs. S. N. Powniker	Energy Engineering	ATAL FDP 1 week	23/11/2020 to 27/11/2020
25	Mrs. S. N. Powniker	Data Science and Analytics	ATAL FDP 1 week	30/11/2020 to 04/12/2020
26	Mrs. S. N. Powniker	Challenges and Opportunities in Electric Vehicle technologies Adoption	AICTE Sponsored Six Days Online Short Term Training Programme	16/11/2020 to 21/11/2020
27	Mrs. S. N. Powniker	Python Application in Electrical Engineering	1 day webinar organized by JSCOE & IEEE	23/02/2021
28	Mr. S. D. Raste	AICTE Training And Learning (ATAL) Academy Online FDP on "Machine Learning for Smart Grid Applications"	ATAL FDP 1Week	07/12/2020 to 11/12/2020
29	Mr. S. D. Raste	AICTE Training And Learning (ATAL) Academy Online FDP on "Internet of Things"	ATAL FDP 1Week	15/12/2020 to 19/12/2020

**Mission:** To develop innovative & socially responsible engineering professionals by delivering in depth knowledge of Electrical Engineering

**Journal/ Conference Paper Published**

Sr. No	Name of the Teacher/Author	Title of the paper	Name of the Journal/ Proceeding/ Edited Books	Volume & Issue	Year of Publication	ISBN/ ISSN No.
1	Mrs. S. M. Shaikh Dr. P. B. Mane	The New Education Policy-2020: Some Actionable points	University News-a weekly journal of Higher Education-Association of Indian Universities	Vol.59, No.8	Feb.22-28,2021	ISSN-0566-2257
2	Mr. P. P. Mahajan	Design and Implementation of a Five Level Inverter For Reduction of Switches And Reducing THD	International Journal of Scientific Research in Engineering and Management (IJSREM)	Vol.05 Issue 03	March 2021	ISSN: 2582-3930
3	Dr. A. D. Shiralkar	Artificial Neural Network based Virtual Energy Meter	3rd IEEE International Conference on Emerging Smart Computing and Informatics (ESCI 2021)	PP. 186-189	2021	—
4	Dr. S. M. Bakre	Artificial Neural Network based Virtual Energy Meter	3rd IEEE International Conference on Emerging Smart Computing and Informatics (ESCI 2021)	PP. 186-189	2021	—
5	Dr. S. M. Bakre	Neural network based source selection scheme for wind based auxiliary supply in Railway traction systems	2020 IEEE Pune Section International Conference (PuneCon)	--	2020	—

**Faculty Knowledge Forum**

Sr. No	Name of Staff	Date	Details of activities performed
1	Dr. A. D. Shiralkar	19/04/2021	Current updates in control system, Technical communication & report writing
2	Dr. S. M. Bakre	16/02/2021	Electrical Safety
3	Mr. S. V. Shelar	21/04/2021	Demonstration of Elspec PQ analyzer
4	Mr. S. M. Chaudhari	09/02/2021	Sensors and measurement devices, Advancements in machine and drives
5	Mrs. K. S. Gadgil	08/02/2021	Digital electronics, Numerical computational/programming techniques
6	Mr. S S. Shingare	16/02/2021	Switchgear protection in power system
7	Mrs. S. S. Landge	08/02/2021	Power electronics, Electrical Drives, Power System Engineering-I
8	Mr. V. S. Kamble	10/02/2021	Power flow and analysis methodologies applied for power system, Power system operation & Control
9	Mrs. S. M. Shaikh	10/02/2021	Electrical installation and estimation methods
10	Mrs. V. P. Kuralkar	10/02/2021	Principles of electrical machine design Industrial and Technology management
11	Mr. P. P Mahajan	09/02/2021	Arduino microcontroller & applications
12	Mrs. S. N. Powniker	15/02/2021	Energy storage devices, Solar PV systems
13	Mr. .S D Raste	20/02/2021	Project Management models, Illumination Engineering



**Industry Institute Interaction**

**Industrial Visit**

Sr. No	Date of Visit	Class	Company	No of Students Visited	Organized by/ Attended by
1	12/02/2021	TE/ BE	Ramelex Industries Pvt. Ltd.- Ramelex Testing and Research Institute	07	<b>Mrs. V.P. Kuralkar</b> Dr. S. M. Bakre Mrs. S. M. Shaikh
2	16/02/2021	BE	Maharashtra Metro Rail Corporation Ltd , Vallabh Nagar , Pimpri METRO PROJECT	19	<b>Dr. S. M. Bakre</b> Dr. A. D. Shiralkar Mr. S. V. Shelar Mr. S. M. Chaudhari Mrs. K. S. Gadgil Mrs. S. S. Landge Mr. V. S. Kamble Mrs. V. P. kuralkar Mr. P. P. Mahajan Mrs. S. N. Powniker Mr. S. D. Raste



**Power Quality Cell Activities**

Sr. No.	Date From	Date To	Consultancy For	Industry	Faculty
1	20/06/2020	20/12/2020	Sapeksh Technologies Pvt Ltd	Sapeksh Technologies Pvt Ltd	Mr. S. V. Shelar Mr. S. M. Shaikh
2	02/12/2020	02/12/2020	400KV Jejuri Substation	--	Mr. S. V. Shelar Dr. S. M. Bakre
3	05/12/2020	05/12/2020	132KV Markal Substation	--	Mr. S. V. Shelar Dr. S. M. Bakre
4	04/03/2021	07/03/2021	Subodhan Engineers Pvt Ltd	Varroc Polymers Pvt. Ltd	Mr. S. V. Shelar
5	11/03/2021	11/03/2021	400KV Lonikand Substation I and II (PQ Measurement and analysis)	-	Mr. S. V. Shelar Dr. S. M. Bakre



**Professional Cell Activities**

**IEEE Students' Branch**

Sr. No.	Date	Activity Details with class & students' count	Topic	Resource Person	Platform
1	12/11/2020	Webinar SE (Instrumentation) 28 Students	Opportunities in Embedded Domain	Mr. Krishna Shete Senior Embedded Software Engineer at Whirlpool India Ltd	Cisco WebEx
2	10/02/2021	Webinar, SE 100Students	Embark (Web-dev workshop)	Anshul Bamb, Gurnehmat Kaur Dhindsa, Aditya Madan	YouTube
3	04/03/2021	Preconference tutorials SE,TE,BE 1000 Students	IEEE International Conference ESCI 2021	Mr. Mohamed Rawi dean Mohd Kassim Dr. Ganesh D. Bhutkar Mr.PrasadPetkar Dr. Prachi Joshi	Cisco WebEx
4	05/03/2021 to 07/03/2021	Keynote sessions	IEEE International Conference ESCI 2021	<b>Dr. Dong Xu</b> University of Sydney, Australia <b>Dr. Vishal Saraswat</b> Robert Bosch Engineering and Business Solutions Pvt. Ltd, Bangalore <b>Dr. Ahmed A. Elngar ,</b> Beni-Suef University, Egypt <b>Dr. Mohammad Alamgir Hossain,</b> Jazan University, KSA <b>Dr. Jagdish Chand Bansal</b> South Asian University New Delhi & Visiting Faculty at Liverpool Hope University UK	Cisco WebEx
5	10/09/2020	Essay Competition, SE, 50 Students	Content writing	Dr. A.D Shiralkar	Cisco WebEx
6	15/09/2020	Competition, SE, 30 Students	Dood-el-doo	Dr. A. D. Shiralkar	Google forms
7	01/10/2020 to 04/10/2020	Activity, SE, 400+ Students	Food drive	Sathatya Foundation (NGO)	Google forms
8	19/09/2020 to 04/10/2020	Conference, SE,TE,BE, 200+ Students	R10 SYWLC	-	Google forms Facebook
9	16/03/2021 to 18/03/2021	Drive, SE,TE,BE, 80+ Students	IEEE Recruitment drive	Dr. A. D. Shiralkar	Google forms
10	03/9/2020 to 04/09/2020	Competition, SE,TE,BE ( Electrical), 60 participants	Extempore	Mrs. S. M. Shaikh Mrs. S. N. Powniker Dr. A. D. Shiralkar	Cisco WebEx

**Electrical Engineering Students' Association (EESA)**

Sr. No.	Date	Activity Details Topic with class & Students' count	Organizer/ Staff Coordinator / Student Coordinator
1	22/11/2020	Department Theme Contest No of students:15	Mrs. S. N. Powniker
2	13/03/2021	Expert lecture :Problem based learning and project life cycle No of Students:44	Mrs. S. N. Powniker

## ELECTROGRAPH

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## ISTE/IE(I) Student's Branch

Sr. No.	Date	Activity Details with class & students' count	Topic	Resource Person	Platform
1	02/02/2021	Virtual Tour SE Electrical No of students : 43	Environmental Studies (MS Office Platform)	Mrs. S. N. Powniker Mr. S. M. Chaudhari	MS Office Platform
2	09/02/2021	Online Webinar TE Electrical 48 students 3 faculty members	"Protection and condition monitoring of Transformers"	Mrs. Varsha Shinde Executive Engineer MSEB , Mumbai	Cisco WebEx
3	15/03/2021	Online Webinar on 'Implementation of National Education Policy (NEP)-2020' No. of participants : 942	'Implementation of National Education Policy (NEP)-2020'	Dr. P. B. Mane Principal, AISSMS, IOIT, Pune.	Cisco WebEx
4	18/03/2021	Online "TECHNICAL PAPER PRESENTATION ACTIVITY" SE/TE/BE students	Technical Paper presentation	Dr. S. M. Bakre Mr. S. M. Chaudhari	Cisco WebEx

## Expert Lecture Organized

Sr. No.	Date	Activity Details Topic with class & students' count	Speaker/ Judge	Organizer/ Staff Co coordinator / Student Coordinator
1	13/03/2021	Expert lecture on "Problem based learning and project life cycle" SE Class— No of Students : 44	Mr Kiran Belle	Mrs. S. N. Powniker
2	12/02/2021	Expert lecture on "Opportunities in Solar Photo Voltaic" SE Class— No. of students : 45	Mr.SaurabhNirgudkar Project Engineer Every Engineering India Private Limited	Mrs. K. S. Gadgil
3	09/02/2021	Expert Lecture On "Protection and condition monitoring of Transformers" TE Class— No of Students : 48	Mrs.VarshaShinde Executive Engineer MSEB Mumbai	Ms.V.P. Kuralkar

## Non-Teaching Staff who attended Workshop/ Webinar.

Sr. No.	Name of Staff	Event	Organized by	Date and Event
1	Mrs. Suchita Ingle	Webinar on Electrical Safety Audit	Fire & Security association of India	20/01/2021
2	Mrs. Suchita Ingle	"Electrical Troubleshooting" Competition	AISSMS COE PUNE Department of electrical engg.	01/02/2021
3	Mrs. Suchita Ingle	Webinar on "Relevance to career on Data Science"	K. K. Wagh Institute of Engineering, Nashik	20/02/2021
4	Mrs. Suchita Ingle	One day Webinar on "Python Application in Electrical Engineering"	Jayawantrao Sawant college of Engineering, Pune, Department of electrical engineering	23/02/2021

**Industry Associated BE Projects**

Sr. No.	Name Of the Company	Student Name
1	Akhilesh Electricals, Pune	Tamboli Parvez Ismail Pawar Sachin Uttam Bangar Kiran Subhash Karad Rushikesh Ramesh
2	Digit 4S Energy Solution, Pune	Vaibhav Vasanttrao Sangle Shubham Suresh Rathod Ambhore Mahesh Prakashrao Kanak dande Pranav Shrikrishana
3	Ansox Industries Pvt. Ltd. Chakan, Pune	Dalvi Sneha Dinkar Mudhe Sapana Bhagavat Revadkar Rutuja Dattatray Nikita DilipNikam
4	Ansox Industries Pvt. Ltd. Chakan, Pune	Jadhav Sujata Shashikant Khairnar Mansi Gautam Patil Nivedita Gulabrao Pimparkar Sharwari Anant
5	Global Engineers and Contractors, Pune	Shinde Shivani Lalasaheb Sonawane Priyanka Vinod Desai Pratiksha Balaso More Ruchira Shamrao
6	Parit Cleaner, Pune	Darekar Ketan Kaluram Khaire Shubham Sanjay Doke Soham Prakash Patil Vaibhav Ravindra
7	Parit Cleaner, Pune	Sonwane Ajay Santosh Rathod Om Prakash Savant Vivek Vilas Valvi Rushikesh Arjun
8	MSETCL, 132 kV Markal Substation	Nikhil Chavan

**Industry Training Attended**

Sr. No.	Name of the Company	Name Of The Students
1	Bolt IoT	Deepjyot Singh TE Electrical
2	Internshala	Adesh Naikawadi TE Electrical
3	Mycaptain	Meenakshi More TE Electrical
4	Tutoraj	Meenakshi More TE Electrical
5	Mycaptain	Sonal Chittar TE Electrical
6	Tutoraj	Sonal Chittar TE Electrical

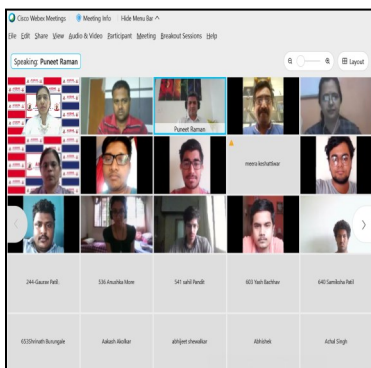
**Other Activities**

**Entrepreneurship Activities:**

workshop on Entrepreneurship as a Career conducted on 18/05/ 2021. Resorce Person - Mr. Puneet Raman , Founder & Director - Prowisdom Growth Private Limited.o

**T&P Cell:**

Total 34 Companies was visited For Placement



Entrepreneurship as a Career



MOU with SAS PowerTech Pvt. Ltd.

**Student Editor** — Mr. Sanket Boramane T. E. Electrical  
**Teacher Editor** — Mr. S.D. Raste, Asst. Professor Electrical

**Publisher** — Dr. A. D. Shiralkar, HOD  
Department of Electrical Engineering



**Media Coverage:**  
Environmental studies virtual visit posted on Instagram