

Annual Report of Electrical Engineering Department for the Academic Year 2020-21

It gives me immense pleasure to put before you the Annual Report which includes various activities performed and the achievements during the academic year 2020-21 of our department.



1. ACADEMIC PERFORMANCE:

The students have shown excellent results in university examination. Results of S.E, T.E and B.E classes of April/May 2019 examination are as follows:

a) Class Ranks

BE (Electrical)

Student Name	CGPA	Rank
MhamaneSmita Anil	9.68	I
Khairate Priya Mallikarjun	9.62	II
Jawale Prajwal Tanaji	9.53	III
Naiknaware Pradnya Ganesh	9.50	IV
Pawar Ajay Prasad	9.44	V

TE (Electrical)

Student Name	CGPA	Rank
Yaseen Khan Anwar Khan Dakhani	9.26	I
Jadhav Shital Satish	9.21	II
Venugopal Narsing Pudur	9.20	III
Gaikwad Ankita Prashant	9.19	IV
Kumthekar Vaishnavi Vithhal	9.01	V

SE (Electrical)

Student Name	CGPA	Rank
Pratiksha Prakash Patil	9.26	I
Vaishnavi Balaji Chintakindi	9.07	II
Vaishnavi Anil Patil	9.04	III
Sidral Mamta Chandrashekhar	8.96	IV
KadamVaishnavi Dattatray	8.93	V

b) Class wise Results:

S.E. (Electrical) – 100 %

T.E. (Electrical) – 100 %

B.E. (Electrical) – 100 %

c) GATE 2021 Result:

Sr. No.	Student Name	Marks	Gate Score
1	Mr. Jishan Shoukat Shaikh	38.67	445

2. **STUDENT PLACEMENTS:** The students are placed in various software and core multinational companies. The details of students placed in AY 2019-2020 are as follows:

Sr. No.	Name of Company	Number of Students Placed
1	Wipro	2
2	TCS	1
3	Infosys	2
4	IBM	1
5	Cognizant	2
6	Trifid Research	5
7	Capgemini	2
8	Dhoot Transmission	29
9	Trifid Research	5
10	KPIT	1
11	DXC Technology	3
12	Sedemac	2

The students are placed from this academic year till date are

Sr. No.	Name of Company	Number of students Placed
1	TCS	4
2	Infosys	1
3	Wipro	1
4	Accenture	1
5	RK Infosystems	2
6	JDK Enterprizes	2
7	Qspiders	1
8	HP Pelzer Automotive	3

3. FACULTY PUBLICATIONS:

Prof. V. Santosh Kumar published a research paper on "Distribution Generation and Voltage profile improvement in agriculture feeder-A case in IJSRSET, volume 9, issue 1, March-April -2021.

Prof. A. J. Mehta published a research paper on "Energy Conservation by Using Automatic Star-Delta-Star Starter for 3 Phase Induction Motor" in ELECTRICAL INDIA Magazine issued in October 2020.

Prof. H. J. Mane published research paper on "Design of Twenty Seater Solar Powered Tourist Boat " in ELECTRICAL INDIA magazine May 2020.

4. FACULTY ACHIEVEMENT:

Prof. V. S. Shirwal completed his Ph.D in Electronics Engineering from Shivaji University Kolhapur. His research thesis entitled is "Efficient implementation of MIMO decoder on FPGA for high speed wireless".

Prof. Dr. V. S. Shirwal selected as a mentor for National Initiative for Technical Teachers Training & Research, Chandigarh.

Prof. Dr. V. S. Shirwal selected as peer reviewer for the Springer International Journal on Wireless Personal Communication.

Prof. Dr. V. S. Shirwal nominated as a Innovation Ambassador by Ministry of Education's Innovation Cell, AICTE, New Delhi.

Prof. Irfan I. Muawar is appointed as Associate Editor (technical program committee) for IPMU Journal of Energy Harvesting and Storage. This journal is open access, free-of-charge and peer-reviewed.

Prof. Irfan Mujawar was awarded as best teacher of the department for academic year 2019-20 on the occasion of Teachers day on 5th September 2020.

Project group Orchi-Conquerers under the leadership of Mr. Yaseen Khan Anwar Khan Dakhani with team members Ms. Burla Nikita Ravindra, Ms. Chauhan Aishwarya Rajendrasinh, Mr. Khamitkar Sanket Surykant, Mr. Shirwar Abhishek Mallikarjun and Mr. Pudur Venugopal Narsing are under the guidance of Prof. N. U. Gawali and Prof.S.S.Shaha participated in Toycathon 2021 (Hardware Edition) grand finale.

Prof. N. U. Gawali and Prof. S. S. Shaha successfully completed 5 modules/FDP Courses of National Institute of Technical Teachers Training and Research (NITTTR).

Prof. D. D. Pawar successfully completed 4 modules/FDP Courses of National Institute of Technical Teachers Training and Research (NITTTR).

Project group under Prof. S. S. Shaha participated in International Project of the year 2020 (POTY 2020) held by La Foundation Dassault Systemes, France in the month of July 2020 with the project titled "Portable Refrigeration System for Vaccine Distribution to Remote Location".

Project group under Prof. S. S. Shaha is selected in top 100 project for showcase in ConnectNext Virtual Conference by La Fondation Dassault Systemes on *17-18 September 2020. The project title is "Portable Refrigerator System for Vaccines Distribution for Remote and Rural Area"

Project group under Prof. S. S. Shaha bagged 1st Prize for the project Portable Refrigeration System for Vaccines Distribution at Rural and Remote Location by Autodesk Design Competition under Solapur region.

Project group under Prof. S. S. Shaha Participated in 6th India International Science Festival (IISF) held in Virtual format from 22nd to 25th December, 2020. The project "Portable Refrigeration System for Vaccine Distribution for Remote Location" was showcased on virtual platform.

Prof. S. S. Shaha participated and cleared two rounds of AICTE ChatraVishvkarma Award 2020 with the project "Portable Refrigeration System for Vaccine Distribution for Remote Location".

5. FACULTY INTERACTION WITH OTHER INSTITUTES:

Prof. N. U. Gawali Arranged webinar on "SCUBE Standard PLC Logic development for Automotive Industry" in collaboration with Sofcon India Pvt Ltd for different Engineering & Diploma students and faculty on 4th June 2020.

Prof. Dr. V. S. Shirwal and Prof. A. J. Mehta conducted a sessions on "Career Opportunities after 12th" and "Documents required for Admission" on 04/03/2021 at LBP Junior College, Solapur.

Prof. Dr. V. S. Shirwal and Prof. A. J. Mehta conducted a sessions on "Career Opportunities after 12th" and "Documents required for Admission" on 09/03/2021 at Nagesh Karajagi Orchid Junior College, Solapur.

Prof. I. I. Mujawar organized an Expert Lecture on "Electrical Installation and Estimation" by Prof. V. B. Bhosale for TY Electrical students of Maulana Azaad Polytechnic, Solapur on 03/05/2021.

Prof. A. J. Mehta organized an Expert Lecture on “Electrical Wiring Design and Installation of 1BHK House” by Prof. V. B. Bhosale on 24/04/2021 for TY Electrical students of Government Polytechnic, Solapur.

Prof. Irfan Mujawar, Prof. Dr. V. S. Shirwal, Prof. A. J. Mehta, Prof. S. S. Shaha and Prof. H. J. Mane conducted a one day workshop on Virtual lab: Effective Tool for Teaching and Learning on 19th September 2020 for students and faculties for polytechnic colleges in and around Solapur. Total 75 students and faculties have participated in the workshop.

Prof. Irfan Mujawar, Prof. Dr. V. S. Shirwal, Prof. A. J. Mehta, Prof. S. S. Shaha and Prof. H. J. Mane conducted a one day workshop on Virtual lab: Effective Tool for Teaching and Learning on 13th January 2021 for students and faculties of Maulana Azad polytechnic Solapur. Total 35 students and faculties have participated in the workshop.

Prof. Irfan Mujawar, Prof. A. J. Mehta and Prof. S. S. Shaha conducted a one day workshop on Virtual lab: Effective Tool for Teaching and Learning on 22nd January 2021 for students and faculties of Government Polytechnic, Solapur. Total 65 students and faculties have participated in the workshop.

Prof. Irfan Mujawar, Prof. A. J. Mehta, Prof. P. S. Patil and Prof. S. S. Shaha conducted one day workshop on Virtual lab: Effective Tool for Teaching and Learning on 10th May 2021 for students and faculties for polytechnic colleges in and around Solapur. Total 74 students and faculties have participated in the workshop.

Prof. I. I. Mujawar organized and conducted an Expert Lecture on Electrical Substation & Practices for TY Electrical students of MaulanaAzaad Polytechnic, Solapur

Prof. I. I. Mujawar organized & conducted a session on “Documents required for Admission” on 02/03/2021 at Social Junior College, Solapur.

Prof. I. I. Mujawar organized a session on “Virtual Lab” for 12th students on 24/05/2021 at Social Junior College, Solapur.

Prof. D. D. Pawar organized a Technical Competition “TECHNOVATION - 2K21” for different polytechnics on 30/04/2021 around 80 students have participated.

Prof. Dr. V. S. Shirwal organized a webinar on “Renewable Energy - Opportunities & Challenges Post COVID-19” for different polytechnics on 17th June 2020 around 260 students & faculty had participated.

Prof. A. J. Mehta organized an expert lecture on “Electrical Substation and Practices” by Prof. Irfan Mujawar for TY Electrical students of Government Polytechnic Solapur on 4th May 2021.

Prof. Irfan Mujawar organized and conducted expert lecture on Electrical Substation and Practices for TY Electrical students of MaulanaAzaad Polytechnic Solapur on 5th May 2021

6. INDUSTRY - INSTITUTE INTERACTION:

Sponsored Project:

The Sponsored project entitled “Design of solar PV system & analysis of power quality issues at industry”, under the guidance of Prof. I. I. Mujawar. The Project is Sponsored by Irshad Industries Solapur. Total 3 students participated in project .

Internship Project:

The project entitled “Design, installation, operation & maintenance of Solar PV system.” under the guidance of Prof. I. I. Mujawar. The internship is received from Tech Skill, Solapur. Total 5 students participated in the project.

The project entitled “Design, estimation & supervision of residential wiring.” under the guidance of Prof.I.I.Mujawar. The internship is received from Shruti Engineering and Consultant Solapur. One student participated in this project .

The project entitled “Stock Management System using Advance PHP (Laravel 8).” under the guidance of Prof.N. U. Gawali. The internship is received from V-Pace Technologies, Solapur. One student participated in the project.

The project entitled “Designing & Manufacturing of LEDs Lamp for Indoor & Outdoor Applications.” under the guidance of Prof. N. U. Gawali . The internship is received from V2 Electricals Pvt. Ltd. Pune. Total 3 students participated in this project and each student has received Rs. 5000/-stipend per month.

The project entitled “Automation of 30 MLD STP plant by using PLC and SCADA.” under the guidance of Prof.V. B. Bhosale. The internship is received from Baner STP Aundh, Pune. One student participated in the project has received Rs.14500/-stipend per month.

The project entitled “Design & Development of Induction Motor & Implementation for Improvement in Power Efficiency.” under the guidance of Prof.V. B. Bhosale. The internship is received from Brushless motor PVT. Ltd., Pune. Total 2 students participated in the project and each student has received Rs.6000/-stipend per month.

The project entitled “Testing of Electrical transformer CT, PT, & Relays.” under the guidance of Prof.V. B. Bhosale. The internship is received from MSTCL, Osmanabad. One student participated in this project.

The project entitled “Speed control of DC motor using PWM.” under the guidance of Prof.V. B. Bhosale. The internship is received from Saudamini Instruments, Pune. One student participated in the project and has received Rs. 6000/-stipend per month.

The project entitled “Design, Estimation & Supervision of Residential Wiring.” under the guidance of Prof. A. J. Mehta . The internship is received from “RS Electricals Solapur”. Total 4 students participated in the project. Each Student has received Rs. 9000/-stipend per month.

The project entitled “Design, Installation & Testing of Electrical System for Corporate Park” under the guidance of Prof. P. S. Patil . The internship is received from Pravin Electrical, Navi Mumbai. One student participated in the project.

The project entitled “Design & implementation of solar car” under the guidance of Prof. P. S. Patil . The internship is received from Precision Camshafts Ltd., Solapur. Total 5 students participated in this project.

The project entitled “Design, Estimation & Supervision of Residential Wiring.” under the guidance of Prof. A. J. Mehta . The internship is received from “RS Electricals, Solapur”. One student has participated in the project and has received Rs. 7000/-stipend per month.

The project entitled “Design & Implementation of Efficient Cooling System for Integrated Power Supply (IPS) Room.” under the guidance of Prof. A. J. Mehta. The internship is received by “March Electricals, Solapur”. Total 4 students has participated in the project and each student has received Rs. 9000/-stipend per month.

The project entitled “Design & Hardware Implementation of Solar Panel for Food Industry.” under the guidance of Prof. H. J. Mane. The internship is received from “Arka Enterprices, Solapur”. Total 7 students have participated in the project.

The project entitled “Solar Installation for Water Purification Plant.” under the guidance of Prof. H. J. Mane. The internship is received from “Yogesh Enterprises, Solapur”. One student has participated in the project.

The project entitled “Design of Solar Tree.” under the guidance of Prof. H. J. Mane. The internship is received from Dassault Systems, Pune. One student has participated in the project.

The project entitled “Design Installation & Maintenance of 11 KV Transformer.” under the guidance of Prof. H. J. Mane. The internship is received from “Current Power Electrical, Solapur”. One student has participated in the project.

The project entitled “EFD & LOTO Energy flow sheet of Weld Shop with line Ring Communication.” under the guidance of Prof. D. D. Pawar. The internship is received from “Tata Motors Ltd., Pune”. One student has participated in the project.

The project entitled “RFID based attendance system.” under the guidance of Prof. D. D. Pawar. The internship is received from “Trilocode Pvt Ltd., Solapur”. One participated in the project.

The project entitled “State of Charge (SoC) determination for an Electric Vehicle” under the guidance of Prof. Shaha S. S. The internship is received from Exa-mobility Pune. One student participated in the project and has received Rs 7000/-stipend per month.

The project entitled “To design Automated Guided Vehicle for Transportation of Gear Motors” under the guidance of Prof. Shaha S. S. The internship is received from SEW Aerodrive Pvt. Ltd. Chakan, Pune. Total 3 students participated in the project.

The project entitled “Calibration & Testing of Relay to Check Correct Functioning of Protection Scheme for Automotive Relay” under the guidance of Prof. Shaha S. S. The internship is received from OEN India Pvt. Ltd. Chakan, Pune. Total 3 students participated in the project and each student has received Rs. 9000/-stipend per month.

The Project entitled “Temperature and Level Control of Boiler by Using PLC & SCADA” under the guidance of Prof. Shaha S. S. The internship is received from Ikode Automation, Chakan. One student has participated in the project.

Internship/ Industrial Training:

All S.E. & T.E students have undergone 15 days of Industrial Training during winter vacation at various Industries.

The prominent industries are as follows:

1. Indian Railway DRM section
2. Kirloskar Ferrous Industry, Solapur
3. MSETCL
4. MSEDCL
5. Payal Pumps, Solapur
6. Raj Electricals, Osmanabad
7. Sidhanath Sugar Mill, Solapur

During the Summer Vacation all the students of SE and TE have completed online courses as part of Internship with duration of 2 to 4 week. The courses are as follows

1. Electrical Power Systems
2. Python For Everybody
3. Solar Energy Basics
4. Electrical Autocad
5. Knockdown the Lockdown
6. Online Courses offered by TATA STEEL.

7.SHORT TERM COURSES/ CONFERENCE/ WORKSHOPS ORGANISED / ATTENDED BY OUR FACULTY MEMBERS.

A) STTP/FDP ATTENDED

1. Following faculty members have attended a one-week AICTE-ISTE sponsored online Faculty Development Programme program on "Design and Development of Automated System using PLC" from 14th to 19th May 2021 organized by KIT Kolhapur

- 1) Prof. A. J. Mehta
- 2) Prof.N.U. Gawali
- 3) Prof. S. S. Shaha
- 4) Prof. I. I. Mujawar
- 5) Prof. V. B. Bhosale

2. Prof. N. U. Gawali participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Control Systems & Sensors Technology" from 2020-10-5 to 2020-10-9 at University visweswaraya College of Engineering.

3. Prof. N. U. Gawali participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Systems Engineering" from 2020-10-26 to 2020-10-30 at National Institute of Technology Delhi.

4. Prof. S. S. Shaha participated & completed successfully AICTE Training And Learning (ATAL) Academy One Week Online FDP on "Energy Storage" organized by Indian Institute of Information Technology, Design & Manufacturing Kancheepuram from 27th - 31st Oct 2020.

5.Prof. S. S. Shaha participated & completed successfully AICTE Training And Learning (ATAL) Academy One Week Online FDP on "Control Systems and Sensors Technology" organized by Bhilai Institute of Technology, Durg from 2nd to 6th Nov 2020.

6. Prof. Shaha S. S., Prof. V. B. Bhosale, Prof. D. D. Pawar, Prof. H. J. Mane and Prof. Dr. V. S. Shirwal participated and completed one week workshop on topic "Inculcating Universal Human Values in Technical Education" from 23rd July 2020 to 27 July 2020 organized by AICTE.

7.Prof. V SantoshKumar participated and completed AICTE-ISTE sponsored Online Induction/Refresher Programme (1st Phase) on "Active-Teaching Learning Process" organized during 22nd March to 27th March 2021 by Mauli Group of Institution's College of Engineering and Technology, Shegaon.

8. Prof. V SantoshKumar participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Energy Engineering" from 5-10-2020 to 9-10-2020 at VISHWAKARMA INSTITUTE OF TECHNOLOGY.

9. Prof. P. S. Patil participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Electrical Vehicle" from 1-09-2020 to 5-09-2020 at Gyan Ganga institute of Technology & sciences, Jabalpur.

10. Prof. D. D Pawar participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Electrical Vehicle" from 7/12/2020 to 11/12/2020 at Bhilai Institute of Technology.

11. Prof. D. D. Pawar participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Energy Engineering" from 15/12/2020 to 19/12/2020 at Lakshmi Narain College of Engineering and Technology.

12. Prof. D. D. Pawar participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Energy Storage" from 17/05/2021 to 21/05/2021 at Institute of Aeronautical Engineering and Technology Hyderabad.

13. Prof. D. D. Pawar participated & completed successfully AICTE-ISTE Online FDP on Active Teaching Learning Process from 22/3/2021 to 27/03/2021 at Institute of MGI College of Engineering and technology Shegaon

14. Prof. D. D. Pawar participated & completed successfully AICTE-AQIS Online FDP and 1 week online short training on Application of Artificial Intelligence in Electrical and Electronics Engineering from 21/12/2020 to 26/12/2020 at Lakshmi Narain College of Engineering and Technology, Bhopal.

15. Prof. Irfan Mujawar participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Energy Engineering" from 5-10-2020 to 9-10-2020 at Vishwakarma Institute Of Technology.

16. Prof. Irfan Mujawar has completed a course on How to Create E-Content & become a Perfect Online Teacher on the UdeMy platform.

17. Prof. Bhosale V. B. participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Electrical Vehicle" from 16/11/2020 to 20/11/2020 organized by Aditya Institute Technology and Management.

18. Prof. Bhosale V. B. participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Energy Engineering" from 9/11/2020 to 13/11/2020 organized by Gandhi Institute of Education and Technology.

19. Prof. Bhosale V. B. participated & successfully completed FDP on "Engineering Education & The Industry: A Post COVID-19 Perspective" from 01/06/2020 to 05/06/2020 organized by Rajiv Gandhi Institute of Technology, Mumbai.

20. Prof. Bhosale V. B. participated & successfully completed FDP on "Technology towards Common Man" from 10/06/2020 to 13/06/2020 organized by Sri Manakula Vinayagar Engineering college, Puducherry.

21. Prof. Bhosale V. B. participated & successfully completed FDP on "Patenting for Innovation" from 25/05/2020 to 29/05/2020 organized by Sanjivani College of Engineering Kopergaon.

22. Prof. Bhosale V. B. participated & successfully completed IIC online sessions on "Innovation, IPR, Entrepreneurship & Startup" from 28/04/2020 to 22/05/2020 organized by Institute Innovation Council(IIC) by MHRD Innovation cell, New Delhi.

23. Prof. Bhosale V. B. participated & successfully completed 2 weeks FDP on "Research opportunities in Electrical Engineering" from 7/05/2020 to 16/05/2020 organized under Technical Education Quality Improvement Programme (TEQIP III) by Government college of Engineering Karad.

24. Prof. Bhosale V.B. successfully completed Coursera course on "Understanding Research Methods" conducted by University of London.

25. Prof. Mane H. J. participated & successfully completed FDP on "Electric Vehicle" from 2021-1-18 to 2021-1-22 at College of Engineering, Cherthala.

26. Prof. Mane H. J. participated & successfully completed FDP on "Electrical & Computer Engineering" from 2021-1-4 to 2021-1-8 at National Institute of Technology Raipur.

27. Prof. H. J. Mane participated & successfully completed Online AICTE – ISTE Refresher Program 28 April – 04 May 2021 (Phase – II) On “Small Wind Turbines: Design, Development and Testing “ Organized by Department of Electrical and Mechanical Engineering, KJ's Educational Institute Trinity College of Engineering and Research, Pune

28. Prof. A. J Mehta participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Energy Engineering" from 23/11/2020 to 27/11/2020 at National Institute of Technology, Agartal.

29. Prof. A. J Mehta participated and completed a 3 days online workshop and universal Human Values on “Inculcating Universal Human Values in Technical Education” from 28th July 2020 to 1st August 2020 organized by AICTE.

30. Prof. A. J. Mehta participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Modelling & Simulation of Energy Systems" from 19/10/2020 to 23/10/2020 organized by Indian Institute of Technology, Roorkee.

31. Prof. A. J Mehta participated & completed successfully 5 days Online STTP on "Recent Trends & Challenges in Smart Grid Technology " from 17/08/2020 to 21/08/2020 organized by department of Electrical & Electronics Engineering, Sri Ramakrishna Engineering College, Tamil Nadu.

32. Prof. A. J Mehta participated and completed an online FDP on “Electric Vehicles” from 01/09/2020 to 05/09/2020 at Gyan Ganga Institute of Technology and Sciences, Jabalpur.

33. Prof. D.D.Pawar participated & successfully completed Online AICTE – ISTE Refresher Program 28 April – 04 May 2021 (Phase – II) On “Small Wind Turbines: Design, Development and Testing “ Organized by Department of Electrical and Mechanical Engineering, KJ's Educational Institute Trinity College of Engineering and Research, Pune.

34. Prof. Dr. V.S. Shirwal participated and completed successfully AICTE Training And Learning Academy online FDP on “Artificial Intelligence” from 23 Nov to 27 Nov. 2020 at CDAC, Kolkata.

35. Prof. Dr. V.S. Shirwal participated and completed successfully AICTE Training And Learning Academy online FDP on “System Engineering” from 4th Jan to 8th Jan. 2021 at College of Engineering, Pune.

36. Prof. Dr. V.S. Shirwal has successfully completed one week online induction / refresher program on “Internet of Things (IoT)” phase –III sponsored by AICTE and ISTE, New Delhi, conducted by E&TC Dept. of A. G. Patil Institute of Technology, Solapur from 6th May to 11th May 2021.

37. Prof. Dr. V. S. Shirwal participated & successfully completed Institutions Innovation Council (IIC) online sessions on "Innovation, IPR, Entrepreneurship & Startup" from 28/04/2020 to 22/05/2020 organized by Institute Innovation Council(IIC) by MHRD Innovation cell, New Delhi.

B) WORKSHOP ATTENDED:

1. Prof. Irfan Mujawar and Prof.D. D Pawar participated and completed one day workshop on virtual lab effective teaching and learning on 10th July 2020 organized by Cummins College of Engineering, Nagpur.
2. Prof. Irfan Mujawar participated and completed one day workshop on Virtual laboratory:Importance and Applications organized by Virtual Labs, IIT Bombay and Dr. BabasahebAmbedkar Technological University, Lonere in coordination with Maharashtra Institute of Technology, VLabs Regional Center on August 6th 2020.
3. Mr .Hemant Mane of NKOCET Solapur has participated in Workshop on ‘PSIM Software and its Applications in Power Electronics’ Organized by Department Of E&TC, AISSMS College Of Engineering, Pune in association withAISSMS COE IEEE Student Branch, IEI & ISTE Chapters on 22th May 2021.

8. DEPARTMENT ADVISORY BOARD:

DAB Members

Mr. UdyasinhKshirsagar	MD, Spitzen Energy Solutions Pvt. Ltd., Pune
Dr. PriyaJadhav	Assistant Professor, CTARA, IIT, Bombay
Mr. SuneelPendse	MD, Onkar Trading, Solapur
Mr. GajananBijjargi	MD LaxmiControl,Solapur
Mr. SagarKatte	MD JDK Enterprises, Solapur

Electrical Department Advisory Board meeting was conducted on 5th May 2020 and on 17th May 2021. The purpose of these meetings are mutifold - to understand how industries are working under lockdown COVID-19 situation as well as to discuss the post COVID-19 working in industries taking into consideration the various measures with proper precautions, to suggestions from industry experts for improvements. For this meeting our Alumni Mr. Gujan Tipe, Mechatronics Engineer, EInfotek, Hyderabad and Mr. Ramling Chougule, System Engineer, AVL Electronics, Pune were present. The meeting underlines the importance of new knowledge areas such as Artificial intelligence, Machine learning is part of future work requirement irrespective of branch of engineering. Also the opportunity for Electrical Engineer in Machine Installation, Programming and maintenance will rise in near future. E-vehicle and facilities for its charging stations will be in huge demand. The key message from the meeting is stay safe and keep Hygiene at work place.

9. NPTEL COURSES:

Class	Name of the course	No. of Student registered
BE	High Power Multilevel Converters - Analysis, design and operational issues	40
	Introduction to Industry 4.0 and Industrial Internet of Things	45
	The Joy of Computing using Python	20
	Entrepreneurship Essentials	34
TE	Problem solving through Programming In C	24
	Introduction to Database Systems	24
	Industrial Automation and Control	49
	Control engineering	12

10. CO-CURRICULAR COURSES FOR STUDENTS

The department conducted various Co- Curricular courses for our students as follows.

1. Prof. V santoshkumar& Prof. V. B. Bhosale organized 14 Days Workshop on “Solar Energy” for SE Electrical Students during 30th March to 22nd April 2021, 25 students participated in the workshop.

2. Prof. N. U. Gawali organized 14 Days Workshop on “PLC and SCADA” for TE & BE Electrical Students during 11th to 23rd January 2021, 58 students participated in the workshop.

3. The department organized 14 Days Workshop on “MATLAB Tools and its Application” for SE Electrical Students during 16th to 28rd January 2021, 26 students in the workshop.

4. The department organized 14 Days Workshop on “Introduction to MATLAB” for SE Electrical Students during 27th July to 10th August 2020, 26 students participated in the workshop.

5. The department and Energy Swaraj Foundation organized Solar Ambassador Workshop and a Webinar on “Role of Youth in Attaining Atmanirbhar Bharat in Energy” on 2nd October for SE, TE & BE Electrical Students.70 students have participated.

11. CONTRIBUTION OF FACULTY MEMBERS IN VARIOUS DEPARTMENT & INSTITUTE ACTIVITIES

Name of faculty	Contribution
Prof. Dr. V. S. Shirwal	Head of Electrical Engineering Department
	Governing Council member
	Member of IQAC
	Member of Antiragging Committee
Prof. H. J. Mane	Class Coordinator (TE)
	Expert lecture
	Website coordinator
	Archive Coordinator
	Power Electronics & Drives Lab. In charge
Prof. I. I. Mujawar	Class Coordinator (TE)
	Department VLAB Coordinator
	Orchitech coordinator
	Project Lab Incharge
	FE FC Coordinator (Institute Level)
	Switchgear & Protection Lab Incharge
Prof. V. Santoshkumar	Class coordinator (BE)
	Dept. timetable coordinator
	Department library coordinator
	POE coordinator
	Incubation coordinator
	Sports coordinator (Volley Ball)

Prof. I. I. Mujawar	Electrical Measurement Lab Incharge
	Class Coordinator (TE)
	Department VLAB Coordinator
	Orchitech coordinator
	Project Lab Incharge
	FE FC Coordinator (Institute Level)
	Switchgear & Protection Lab Incharge
Prof. A. J. Mehta	DSE Admission Coordinator
	FE Admission Coordinator
	DBATU Exam Coordinator
	DBATU POE Coordinator
	Class Coordinator SE
	Electrical Machine I Lab Incharge
	Electrical Machine II Lab Incharge.
Prof. S. S. Shaha	Academic Monitoring Committee Member
	Dept. SUS exam coordinator
	Magazine Coordinator
	Newsletter coordinator
	Magazine (Art Section) Coordinator
	Analog & Digital Circuit Lab Incharge
	Cultural Committee Member
Prof. V. B. Bhosale	Industry visit coordinator
	Industry connect coordinator
	Alumni Coordinator
	Industry-Institute Partnership / MoU coordinator
	T&P coordinator
	EDP Coordinator
	PMKY Solar Panel Installation
Prof. N. U. Gawali	Career Counselling coordinator
	BE project coordinator
	Control System Lab Incharge
	PLC & SCADA Lab Incharge
	Computer Lab II Incharge
	Antiragging coordinator (Institute Level)
Prof. P. S. Patil	Proctor Faculty Coordinator
	Co-curricular course coordinator
	Self-learning module coordinator
	NPTEL Course Coordinator
	Computational Lab I Incharge
	Bus coordinator (Institute level)
	Parent Teacher Coordinator (PTA)
Prof. D. D. Pawar	Aptitude Test Coordinator
	Industrial training coordinator
	ACEE Committee Coordinator
	Departmental NAAC coordinator
	Magazine Coordinator (Technical Section).

12. AWARDS WON BY STUDENTS IN VARIOUS COMPETITIONS

Sr. No.	Name of Student	Class	Competition	Organized by	Prize
1	Marphy Sawantarao	BE	Tussle of thought	VVP	1 st
2	ShilpaRathod				
3	Indira Banda				
4	Dakhani Yaseen Khan	BE	Online C quiz	MSM COE Nanded	1 st
5	Shubham Raul	BE	Project Exhibition	Autodesk Competition	1 st
6	Dakhani Yaseen Khan	BE	Project Exhibition	Autodesk Competition	1 st

6.	Sports (Head)	Ms.AnjaliPatil(Head) Mr.ShantanuPotdar(Head) Mr.Hanamgaon Pratik(Coordinator) Mr.SutarVivek(Coordinator)
7.	Technical (Head)	Ms.SidralMamta(Head) Ms.Vaishnavikadam(Head) Ms.Namratatati(Coordinator) Ms.VaishnaviChintakindi(Coordinator) Mr.AbhishekhSirwar(Coordinator) Mr.PatilSudhir(Coordinator) Mr.ChoudhariPrathviraj(Coordinator)
8.	Decoration (Head)	Ms.NamiraShaikh(Head) Ms.NisargaHarale(Head) Ms.RohiniKakde(Coordinator) Ms.AnjaliSonavane(Coordinator) Mr.DeshmukhAbhishek(Coordinator)
9.	Anchoring (Head)	Ms.MattheBhagyashri(Head) Ms.ChannapattanMonali (Coordinator) Ms.CharushilaJagdale(Coordinator) Ms.LokareVaishnavi(Coordinator)
10.	Photos & Gallery	Mr. ShubhamSuryawanshi(Head) Mr.KiranBhandari(Head) Ms.SabaShaikh (Coordinator) Mr.JadhavYash(Coordinator) Mr.JahagirdarSaqlain(Coordinator)

13. AMBITIOUS CANAL OF ELECTRICAL ENGINEERING (ACEE) ACTIVITIES:

a) ACEE Committee:

Following students were elected as office bearers of Ambitious Canal of Electrical Engineering Students Association (ACEE) for the academic year 2020-2021.

Sr. No.	Post	Name of Student
1.	President	Mr. YaseenDakhani
2.	Vice-President	Ms.VaishanaviSagar
3.	Secretary	Ms. MadihaNallamandu
4.	Cultural (Head)	Mr.TambakeGururaj (Head) Ms.PatilPratikasha(Head) Mr.SarangBhise(Coordinator) Mr.BandagiLalchand(Coordinator) Mr.VinchurkarAdivesh(Coordinator)
5.	Discipline (Head)	Mr.ShankarShinde(Boys-Head) Ms.KarunaLagshetti(Girls-Head) Mr.ChoudhariPrathviraj(Coordinator) Ms.SuryawanshiVaishnavi (Coordinator)

b) Events Organized By ACEE Committee in A.Y. 2020-21

Events	Activity
Independence Day (15 Aug 2020)	National Anthem and speech
Teachers Day (5th Sept 2020)	Felicitation of Teachers, Drama On importance of Teacher
Engineer's Day (15th Sept 2020)	Technical Events- ·Poster Presentation ·Treasure Hunt ·Quiz Competition
National voters Day (25th Jan 2021)	Oth for the Voting and importance of voting
Poster Presentation in association with NSS (10 th April 2021)	Speeches and Poster Presentation

Technovation 2K21 (30th April 2021)	Technical Event for Diploma Students & Non-Technical Events for Engineering Students
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c) Expert Lecture Arranged by ACEE for Benefit of Students

Expert talk on topic “Science & Technology for a Sustainable Future” by Mr. Ameya Ket Dy. Executive, MSETCL, Bale Substation, Solapur on 5th May 2020 for all Electrical students.

Mr. Arun K Ingale Head, Electrical & Automation, Kamsteen Integrated Company Ltd., Nigeria (MS Software Systems) conducted a session on “Electrical Drives” for final year B.Tech students on 22nd Oct. 2020.

The motivational talk by Mr. Nadeem Shaikh [Pursuing M.Tech in Electronics System Engineering at IISC, Bangalore] on topic “How I got GATE AIR 172 but you could get AIR 1” for all Electrical students on 23rd Nov. 2020.

Expert lecture on topic “Applications of AC Machines” by Mr. Juber Shaikh Assistant Engineer, MSEDCL, Solapur for SY Electrical students on 5th June 2021.

Mr. Suryakant Dodmise Start-Up coordinator RIT, Sakhrade delivered expert talk on “Applications based on Microprocessor & Microcontroller as per Industry Revolution IR 4.0.” for TY Electrical students on 12th Nov. 2020.

Expert talk and online demonstration of project based on “Instrumentation and Control” by Mr. Ravi Dhore (Solution Architect) & Mr. Erwin Stalenhoeft (Specialist Control Engineer) Vanderland Pvt. Ltd, Netherlands for SY and TY Electrical Students on 27th Nov. 2020.

Webinar on “Skill development in the Renewable Energy sector” by Mr. Udaysinh Kshirsagar MD Spitzen Energy Solutions Pvt. Ltd., Pune for all diploma and engineering students on 10th May 2020.

14. STUDENT DEVELOPMENT

Organized 10 days workshop on “Immunity Booster by using Breath & Meditation” by ART OF LIVING, Bangalore in which the students have learned about Pranayam, Concentration Techniques, Stress Management, Time Management & Leadership Quality. The program was conducted through AICTE, New Delhi.

(Prof. Dr. V. S. Shirwal)

Head

Department of Electrical Engineering