



**Padm. Dr. V. B. Kolte College of Engineering,  
Malkapur  
Polytechnic 2<sup>nd</sup> Shift  
Muktainagar Nagar Road, Dist-Buldana, State-  
Maharashtra**

**NEWS LETTER 2020-2021**

**Department of Electrical Engineering (Polytechnic)**

**Vision**

To produce comprehensively trained socially responsible, innovative electrical engineers of excellent quality to contribute the region & the nation.

**Mission**

1. To implement innovative teaching, learning process.
2. To develop students for professional skills.
3. To imbibe in the students, basic human values in order to help them, develop individually
4. To provide education at reasonable expenditure, especially for middle class population

**Departmental Advisory Board**

Mr. J. D. Sonone	Chairman
Mr. A. R. Patil	Secretary
Mr. M. R. Wankhade	Member
Mr. D. R. Joshi	Member
Mr. S. N. Khachane	Member
Mr. T.G. Bharsakhale	Other Institute Representative
Mr. A. S. Waghulde	Industry Representative
Mr. A. P. Badgujar	Student Representative
Mr. Ganesh Kale	Alumni Representative
Mr. D. R. Kakar	Parent Representative

**EESA**

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Member	Mr. Gaurav Sharma

## ABOUT DEPARTMENT

Electrical Engineering Branch (Diploma) has been started since 2013-14. Five batches of the students have been passed out till summer 2020. Department had been started with two classrooms but at present condition there are sufficient classrooms and 09 well developed laboratories available at the electrical engineering department. The pillars of the department are well qualified and dedicated staff.

## Electrical Engineering

### HOD'S Message



Prof. J. D. Sonone  
ME (VLSI&ESD)

Electrical engineering is a branch of engineering that deals with the technology of electricity. Electrical engineers work on a wide range of components, devices and system from tiny microchip to huge power station generators. Early experiments with electricity included primitive batteries and static charges. However the actual design, construction and manufacturing of useful devices and system began with the implementation of Michael Faraday's Law of Induction.

Electrical Engineering is a field of engineering that generally deals with the study and application of electricity. I congratulate my students for being successful professionals and good human being an asset to the society.

### Staff Members



Mr. Manoj R. Wankhade  
ME (E & P)



Mr. Antariksh R. Patil  
ME (E & P)



Ms. Rupali N. Tirale  
ME (E & TC)



Mr. Dipak R. Joshi  
ME (E & P)

## Program Educational Objectives (PEOs)

**PEO1.** Provide socially responsible, environment friendly solutions to Electrical engineering related broad-based problems adapting professional ethics.

**PEO2.** Adapt state-of-the-art Electrical engineering broad-based technologies to work in multi-disciplinary work environments.

**PEO3.** Solve broad-based problems individually and as a team member communicating effectively in the world of work.

## Program Specific Outcomes (PSOs)

**PSO 1. Electrical Equipment:**  
Maintain various types of rotating and static electrical equipment.

**PSO 2. Electric Power Systems:**  
Maintain different types of electrical power systems.

## Program Outcomes (POs)

**PO1. Basic and Discipline specific knowledge:-**Apply knowledge of basic mathematics, science and engineering fundamentals and engineering specialization to solve the engineering problems.

**PO2. Problem analysis:** - Identify and analyze well-defined engineering problems using codified standard methods.

**PO3. Design/ development of solutions:** - Design solutions for well-defined technical problems and assist with the design of systems components or processes to meet specified needs.

**PO4. Engineering Tools, Experimentation and Testing:** - Apply modern engineering tools and appropriate technique to conduct standard tests and measurements.

**PO5. Engineering practices for society, sustainability and environment:** - Apply appropriate technology in context of society, sustainability, environment and ethical practices.

**PO6. Project Management:-** Use engineering management principles individually, as a team member or a leader to manage projects and effectively communicate about well-defined engineering activities.

**PO7. Life-long learning:-** Ability to analyze individual needs and engage in updating in the context of technological changes.

# Tech Tantra-2K21

## National Level Seminar Competition

(Staff Co-ordinator for event- Ms. R. N. Tirale)

Department of Electrical Engineering (Polytechnic) has organized a Seminar Competition (Online) under Tech Tantra 2K21 on 18th of April 2021.

The event was organized with the objective to bring students of technical fields from various universities and colleges across all over the world and to provide them a platform to express their hidden calibers and talents, to disseminate their knowledge, to develop leadership skill, teamwork of the students to enhance their employability in order to meet the need of today's industries.

During the Seminar Competition (Online) no. of students from Different states and different universities participate in the events and proved their extra ordinary performance.

### List of Winners

Sr. No	Name of Participant	Institute Name	Position
1	Mann Kantilal Jain	Fr. Angel Polytechnic, Vashi	Winner
2	Krishnu Choudhury	B. P. Podda R Institute Of Management And Technology, Kolkata	First Runner Up
3	Shivani Vyavahare & Sakshi Patil	Government Polytechnic, Nashik	Second Runner Up
	Aditya Badgujar & Komal Patil	Padm. Dr. V. B .Kolte College Of Engineering, Malkapur	

### Photographs:-



## **National Level Quiz Competition**

(Staff Co-coordinator for event- Mr. Dipak Joshi)

The national level quiz competition is held in Summer-2021 for the diploma students where students participated in the technical quiz and have won prizes.

<b>List of Winners</b>			
<b>Sr. No</b>	<b>Name of Participant</b>	<b>Institute Name</b>	<b>Position</b>
1	Jatin H Khobragae	Government Polytechnic, Gondia.	Winner
2	Prashant Vitthal Wadode	Government Polytechnic, Khamgaon.	First Runner Up
3	Shivani Kamalakar Vyavahare	Government Polytechnic, Nashik.	Second Runner Up
	Santosh Bharati	BSP Wagholi Pune	

## **Placement Activity**


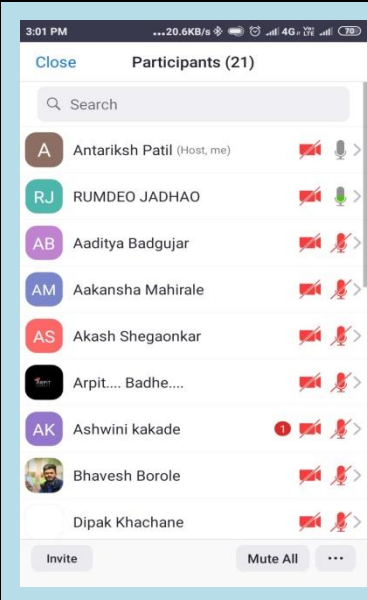
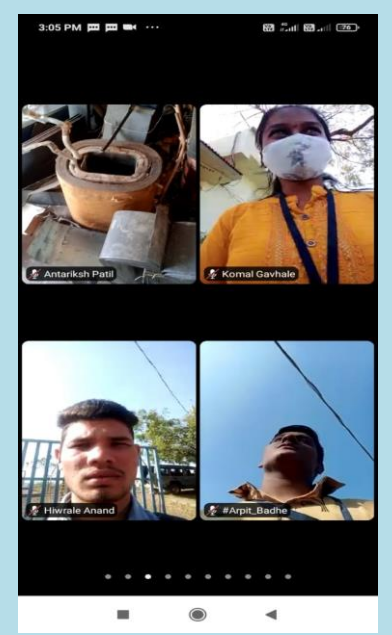
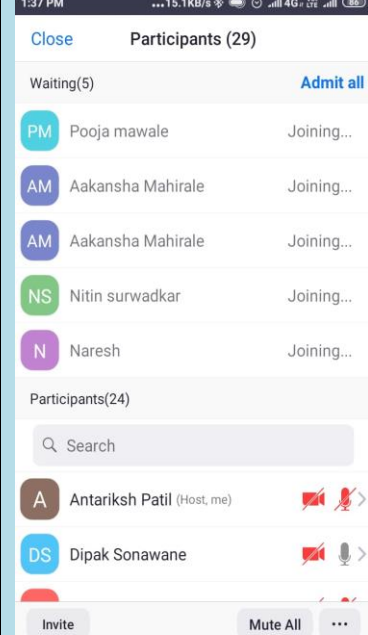
Padm. Dr V. B. Kolte College of Engineering Malkapur always takes active participation for development of students also to develop the career of students, our institute organized Open Campus Drive for all I.T.I streams, all engineering braches, diploma holders, graduate, and post graduates under IQAC cell of the institute. The aim is to provide opportunities to students to develop their career in the field of industry and related technologies.

### **Number of company visited (2020-2021)**

<b>Sr. No.</b>	<b>Name Of Company</b>	<b>No. of Student Placed</b>
01	Sigma Electric Manufacturing Pvt. Ltd. Pune.	12
02	Dhoot Transmission Pvt. Ltd, Aurangabad.	06
03	Kolbro Group, Nagpur	04
04	Ashish Electricals, Jalgaon	04
05	Chandanshesh Heavy Electrical, Khamgaon	02

# Industrial Visit

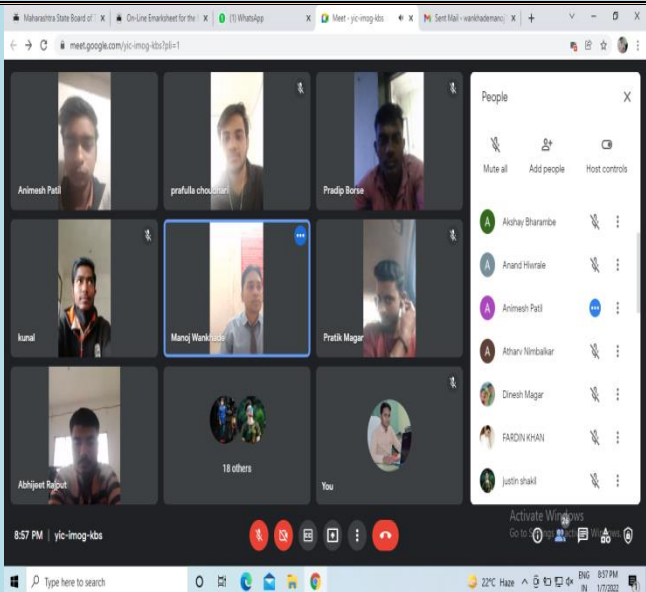
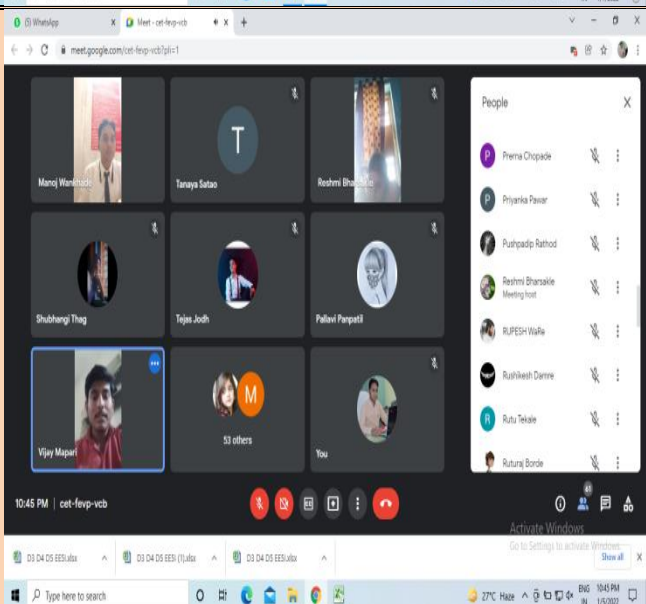
## Industrial Visits in Session 2020-2021

Sr. No.	Industry Details	Photograph	Year
1	Akshay Paper Production, Datala	 	2020-2021 Beneficiaries-21 16/12/2020
2	Kuril Electricals MIDc, Khamgaon	 	2020-2021 Beneficiaries-29 22/01/2021

These industrial visits give the information related to the theoretical knowledge and practical knowledge. So the students can relate their basic knowledge during the industrial visit.

# Personality Development Program

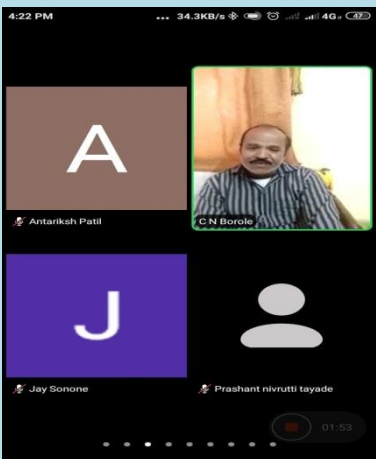
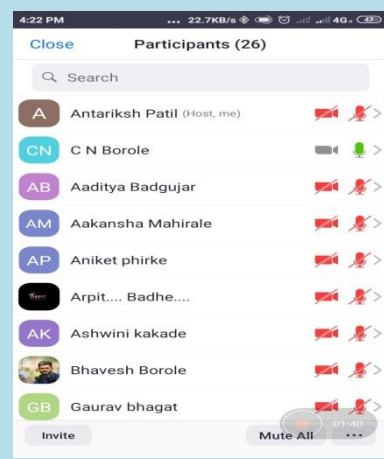
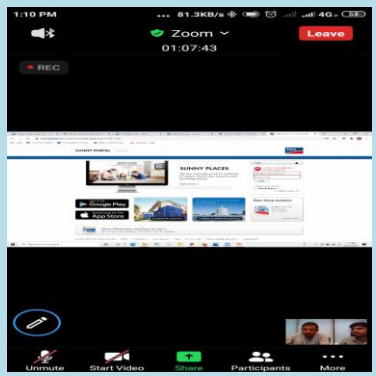


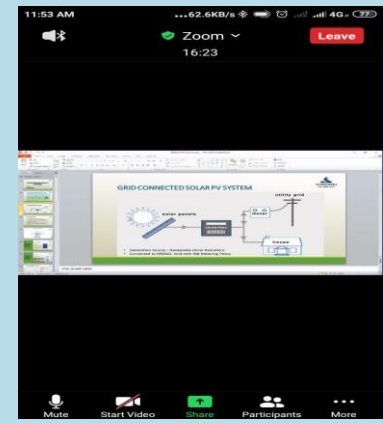
## Personality Development in Session 2020-2021

Sr. No.	Personality Development Session	Photograph	Year
1	Prof. Rahul Ambalkar, Director Winners Academy, Akola.		2020-2021 Beneficiaries- 30 27/10/2020
2	Rupesh R. Chaudhari Pharmicist (Medicine Analysist) Government Hospital, Motala.		2020-2021 Beneficiaries- 32 09/04/2021

These personality development sessions are taken in the department by which student's self-esteem is boosted up and they can improvise themselves in lifelong learning.

# Industry Expert Lectures

## Industrial Expert Lectures in Session 2020-21

Sr. No.	Industry Expert Session	Photograph	Year
1	Mr. C. N. Borole, MCM, Railway Department, Fekri (Deepnagar)  Delivered lecture on E- learning	 	2020-2021  Beneficiaries 26  08/12/2020
2	Mr. Pravin A. Patil, Project Installation Engineer, Shriaunsh Renewable Energy, LLP, Pune.	 	2020-2021  Beneficiaries 23  12/12/2020
3	Mr. Sanket Bhosale, Senior Electrical Engineer, Shriaunsh Renewable Energy, LLP, Pune.	 	2020-2021  Beneficiaries 23  12/12/2020

The industrial expert lectures are taken in every semester by electrical department for teaching the content beyond syllabus topic to students. This increases the versatility of the student during his diploma course.



## Faculty Paper Published in 2020-2021

Sr. No.	Name of Faculty	Title	Publication	Date	ISSN No
1	Mr. J. D. Sonone	Review over Nymble Server	(IJIIRD)	06-SI 01-2021	2456-236X
2	Mr. M. R. Wankhade	Improvement of voltage profile and harmonic reduction using FACTs	(IJIIRD)	06-SI 01-2021	2456-236X
3	Mr. A. R. Patil	A review on MPPT Techniques for partially shaded PV Array	(IJIIRD)	06-SI 01-2021	2456-236X
4	Ms. R. N. Tirale	Fabric defect classification using artificial intelligent techniques	(IJIIRD)	06-SI 01-2021	2456-236X
5	Mr. D. R. Joshi	A Review on Fault current mitigation and illumination in high voltage transmission line with PSB, OST and FCL unit	(IJIIRD)	06-SI 01-2021	2456-236X

## Entrepreneurship Awareness Camp

Entrepreneurship as an alternative career, Entrepreneurship Awareness Camps (EACs) is conducted by Padm. Dr. V. B. Kolte College of Engineering for 3 days of duration with a view to expose students of degree/diploma courses as well as faculty of academic institutions. The aim of this EAC Program to creating awareness among students about various facets of entrepreneurship while highlighting the merits of pursuing such a career option.

Programme Scheduled Date	Name Address of Industry Visited	Product and service
08/04/2021 To 10/04/2021	Gaus and Sons- Malkapur	Precast concrete products — Precast concrete is a construction product produced by casting concrete in a reusable mold or form.
20/05/2021 To 22/05/2021	Kuril Electricals, Khamgaon.	Transformer Repairing and Manufacturing Unit

## Student Achievement's

### Project Competition Award

Sr. No	Name of Student	Name of Institute	Winner/Runner
1	Bhavesh Borole	Manav School of Engineering & Technology, Akola	2 <sup>nd</sup> Runner
2	Dhiraj Ghait		
3	Vaibhav Kakar	Shinde Polytechnic, Mehkar	2 <sup>nd</sup> Runner
4	Darshan Kale		

## Toppers

FIRST YEAR TOPPER	SECOND YEAR TOPPER	FINAL YEAR TOPPER
Rajput Siddhesh Udaysing 76.62%	Badgujar Aditya Pradip 84.93%	Phirke Aniket Vijay 81.63%
Choudhari Sarthak Prafulla 73.12%	Gavhale Komal Sopan 78.40%	Mawale Pooja Ramesh 81.13%
Barhate Mohan Ravindra 68.25%	Patil Komal Gokul 78.26%	Bhagat Mahadeo Sahebrao 79.50%

## **EDITORIAL BOARD**

★ ★ ★ ★ ★ ★ ★ ★ ★ ★

- **Prof. Jayprakash. D. Sonone, HOD/EE**
- **Prof. Manoj R. Wankhade Lecturer/EE**
- **Prof. Antariksh R. Patil, Lecturer/EE**
- **Mr. Ganesh Kale Alumni)**
- **Aditya Badgujar (Student)**
- **Mr. D. R. Kakar (Parent)**

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