



## “Department of Electrical Engineering”

# EMPOWER

Dear Friends,

Greetings from OUR Newsletter!

It gives us immense pleasure to share with you, through this Newsletter, the happenings at Electrical engineering department from January-June 2020. This period was momentous with many activities. We provide enough scope for students to develop their overall personality, both in curricular and extra-curricular activities. We request you to read this issue of newsletter and have a glimpse of what went in the last semester. This newsletter provides report of significant achievements of our electrical engineering students and faculty, department activities.

We welcome your suggestions.

Thanking you.

### EDITORIAL BOARD

**Prof (Dr.) P.V. Kadole, Director**

#### **Faculty Members**

**Dr.V.Jayashree (H.O.D. Electrical)**

**Prof. R.M.Malkar**

#### **Students**

**1.Mr. Sandesh.V. Pantoji**

**2.Mr. Aditya U. Bhagwat**

**3.Miss. Yashashree D. Parab**

**4.Miss. Anjali L. Jha**

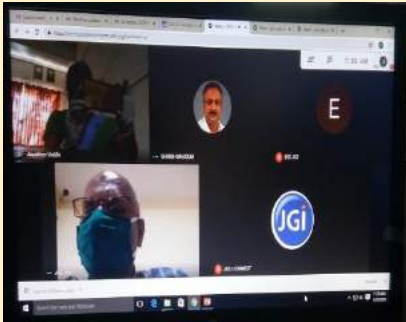
## Laboratories Developed during 2019-20 (35 Lacs)

### Electrical Engineering Department Various New Labs & Major Equipments

	<p style="text-align: center;"><b>1. Electrical Machines Lab</b></p> <ul style="list-style-type: none"> <li>➤ AC/DC Motor Generator Test bench.</li> <li>➤ BLDC Motor Test bench</li> <li>➤ Synchronization panel &amp; Power Supply.</li> </ul>
	<p style="text-align: center;"><b>2. Software Lab</b></p> <ul style="list-style-type: none"> <li>➤ The furnished with 10 computer tables &amp; 25 HP Make Desktop Computers.</li> <li>➤ ETAP USA softwares also freewares like scilab, pspice.</li> <li>➤ CADENCE EDA Tool.</li> </ul>
	<p style="text-align: center;"><b>3. Power System Lab</b></p> <ul style="list-style-type: none"> <li>➤ Transmission Line trainer (Model)(Hardware), ETAP USA software</li> <li>➤ IDMT Relay, Distance protection Relay, Overvoltage Protection /Overcurrent Protection Relay</li> <li>➤ MCB, ELCB, FUSE, HRC Panel Kits</li> </ul>
<p style="text-align: center;">Automation and Control Lab</p> 	<p style="text-align: center;"><b>4. Automation Lab</b></p> <ul style="list-style-type: none"> <li>➤ PLC Scada Trainer</li> <li>➤ Human Machine Interface</li> <li>➤ Industrial Grade PID Trainer</li> <li>➤ Latest PCs</li> </ul>
	<p style="text-align: center;"><b>5. Renewable Energy Lab</b></p> <ul style="list-style-type: none"> <li>➤ Solar energy Trainer</li> <li>➤ Wind energy trainer</li> <li>➤ Oil testing</li> <li>➤ 4. Earth Resistance Testing</li> <li>➤ 5. Meggar</li> </ul>

### SECOND BoS meeting ( ONLINE ) in Electrical Engineering Department

The second BOS meeting of Electrical Engineering Department was conducted online during COVID-19 Lockdown period on 28-5-2020 from 11 am. to 2pm. It was attended by Dr. Talange of COEP Pune, Dr More of WCE, Dr. A.B.Raju of KLE Tech, Hubli, Dr. G.H.Kulkarni of JCOE Belgaum, Industry expert Mr.Nagesh Dung, Deputy General Manager, Shreem Electric Ltd. Jaysingpur, all faculty members of electrical engineering and student representatives. All the external members actively participated in the discussion and gave suggestions towards tuning of the curriculum of third and final year of electrical engineering. Industry Expert, gave his input and assured our students for industrial visits, internship and project. Besides this the BOS members promised to share their expertise for various academic activities. HOD Electrical, Dr.V.Jayashree presented and moderated the session. Faculty members also actively participated in the discussion.



## **STUDENT'S CORNER**

### **KNOWLEDGE ENRICHMENT**

#### **“Hands on training on ‘C’ programming”**

Electrical Engineering department of DKTE's TEI and Tensor Plus of Ichalkaranji jointly organised a six days workshop on “Hands on training on ‘C’ programming” under “ELESA” in two slots from (26/12/2019 to 28/12/2019) and from (2/1/2020 to 4/1/2020). It is part of technical skill development program for student's employability. To start with Prof.P.M Jadhav faculty of Electrical dept. gave the introduction of the workshop, Prof. Dr.V. Jayashree HOD of Electrical Engineering Dept. presented overview of the workshop. Personnel of Tensor Plus, Mr. Pushkar Tervadkar highlighted on importance of Programming language for job opportunities in various sectors.



#### **Inauguration of ‘EMPOWER’ Newsletter**

#### **Valedictory function of “Hands on training on ‘C’ programming”**

Electrical Engineering Department inaugurated “EMPOWER” Newsletter on Friday, 17/01/2020 the auspicious hands of Director, Prof. (Dr). P. V. Kadole. Prof.Dr. V. Jayashree, HOD of Elect. Engg. Dept. delivered welcome address where she gave information regarding various future plans of Electrical Engineering Department. Also on that occasion day, Dr.P.V.Kadole and Tensor Plus coordinator Mr. Pushkar Tervadkar and Mr. Amit Hamber distribute the certificates “Hands on training on ‘C’ programming” at Valedictory function to the students and appreciated the students for their involvement to actively participated in workshop.





## Cocurricular Activities Congratulations ... !!

'ZEST' is one of the biggest sports festivals in India, organised by the College of Engineering, Pune, with several colleges participating enthusiastically and provides arenas for different sports. We are happy to share that our Institute's Girl's Kabaddi Team Won First Prize in 'Kabaddi' Tournament organized under 'ZEST 2020' by College of Engineering, Pune in the last week of January 2020. The First Prize Trophy was awarded to DKTE Team by Dr.Ahuja, Director of COEP.

**Names of the students in DKTE Electrical Engg.Department Girl's Team:**

**Koli Shourya**



**SY Electrical**



**Maheshchandra -**



**Mane Kshitija Suresh - SY Electrical**

**Khot Amruta Baban - SY Electrical**

**Mirajkar Dnyanda Ajay - FY Electrical**

### INDUSTRY TRAINING (WINTER)



**Students of S.Y. Electrical pursuing Industrial training at Sharda Electronics & Co. Kupwad, Sangli**

1. Deepashree Bedekar
2. Yashodhan Chafekar
3. Madhura Kulkarni
4. Rohit Sutar
5. Kshitija Mane

**Prof.V.B. Magdum (Faculty Coordinator)**

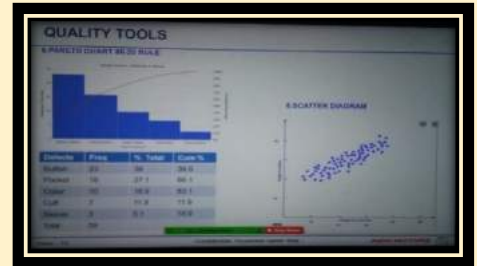
**INDUSTRY INSTITUTE INTERACTION**

**Industrial Visit of Second Year Electrical Engineering Students**



Electrical Engineering Department organized Industrial visit of SY B.Tech Electrical Engineering Students to Jawahar Sugar Factory Hupari and Power Engineers Gokul - Shirgaon MIDC on 15th Feb, 2020. In Sugar Factory, students were given knowledge on the concepts of Co-generation. Students were exposed to transformer manufacturing process in 'Power Engineers'. This visit was coordinated by Mr. S. S. Magdum & Mr. R. M. Malkar under the guidance of Dr. V. Jayashree.

**Industry Expert Webinar amidst COVID-19 Pandemic**

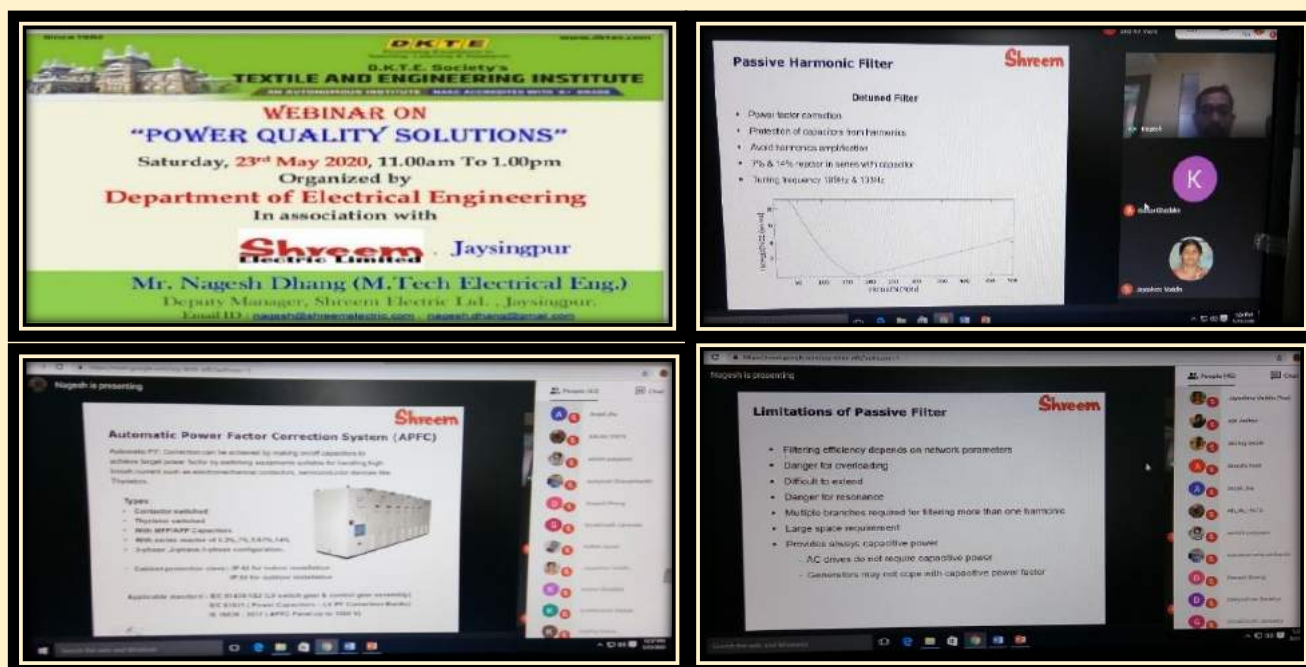


Webinar on “Basic Concepts of Quality in Industry” was organized on 8-5-2020 from 11 am. to 12pm. by Dr.V.Jayashree, Electrical Engineering Department as a part of Faculty development Program during COVID-19 Lockdown period. Industry Expert, Mr. M.G.Hulkund, Deputy General Manager & quality Assurance Manager from AGNI Motors, Bengaluru deliberated on the concepts of quality, Industry standard Tools for product development, product checklist. Faculty members from Electrical, Electronics and Mechanical Engineering Department attended the webinar.



An Industry Webinar on “Energy, Automation and Virtual Reality” was organized by Electrical Engineering Department on 9-5-2020 from 11 am. to 12.30pm. as a part of Faculty development Program during COVID-19 Lockdown. Industry Experts for this webinar were Mr. Krishna Rao, Bengaluru & Manthan Shet Deputy Manager Education & Training, Bombay, both from Scheinder

Electric Private Ltd India. Dr.V.Jayashree, lead the webinar. Faculty members from Electrical, Electronics, Textile and Mechanical Engineering Department attended the webinar.



Webinar on “Power Quality Solutions” was organized on 23-5-2020 from 11 am. to 1.00 pm. by Electrical Engineering Department jointly with Shreem Electric Ltd. as a part of Faculty development Program during COVID-19 Lockdown period. Industry Expert, Mr.Nagesh Dhang of Shreem Electric Ltd. was the main speaker. This was arranged by Dr. V.Jayashree as a part of student knowledge enhancement. All third year students along with faculty members attended the Webinar.

### Students Achievements

Sr.No.	Name of Students	Name of Event	Organiser	Period	Remark
1	Panakaj M. Nalawade	1.EPISTEME 2K20	DKTE TEI Ichalkaranji.	18/01/2020	Participant
		2.Brain charger	KIT COLLEGE	16/02/2020	
2	Surekha Patil	1.EPISTEME 2K20	DKTE TEI Ichalkaranji	18/01/2020	Participant
		2.Tech-symposium (Game of drones)		29/2/2020	
3	Anjali L. Jha	1.Tech-symposium (Campus drive)	DKTE TEI Ichalkaranji RIT college	29/02/2020	Participant
		2.Technobuzz		02/3/2020	
4	Harshada P. Mali	1.Tech-symposium (Campus drive)	DKTE TEI Ichalkaranji RIT college	29/02/2020	Participant
		2.Technobuzz		02/3/2020	
5	Ashutosh A. Dhavalshankh	1.Tech-symposium (Campus drive)	DKTE TEI Ichalkaranji RIT college	29/02/2020	Participant
		2.Brain charger		16/2/2020	
6	Amruta J. Mule	1.Tech-symposium	DKTE TEI Ichalkaranji RIT college	29/02/2020	Participant
		2.Enthuse 2020		02/3/2020	
7	Surekha patil	Tech-symposium Paper Presentation	DKTE TEI Ichalkaranji	29/02/2020	Participant
8	Amruta S. Kore	Tech-symposium Campus drive	DKTE TEI Ichalkaranji	29/02/2020	Participant

9	Priyanka Vadambe	P.	1.Tech-Symposium Game of Drones 2. EPISTEME 2K20 3.Covid-19 awareness program 4.Circuit simulation &pcb designing 5.Arduino programming & Internet of things. 6. Fundamentals of power system	DKTE TEI Ichalkaranji DKTE TEI Ichalkaranji DKTE TEI Ichalkaranji DKTE TEI Ichalkaranji ADCET, Ashta	29/02/2020 18/1/2020 6/5/2020 18-20/5/2020 27/5/2020 5/6/2020	Participant
10	Shreya Kamble	R.	Tech-symposium	DKTE TEI Ichalkaranji	29/02/2020	Participant
11	Nilesh Bandgar	N.	Tech-symposium Games of Drones	DKTE TEI Ichalkaranji	29/02/2020	Participant
12	Akshay P. Awale		Tech-symposium Games of Drones	DKTE TEI Ichalkaranji	29/02/2020	Participant
13	Sandesh Pantoji	V.	Tech-symposium Games of Drones	DKTE TEI Ichalkaranji	29/02/2020	Participant
14	Swapnil Pandhare	A.	1.Tech-symposium-Games of Drones 2.Arduino programming and internet of things -webinar 3.Electrical Machine National level Quiz. 4.Control system-Quiz 5.Fundamentals of power system	1.DKTE TEI Ichalkaranji 2.DKTE TEI Ichalkaranji 3.AISSMS Engg. Pune 4.Modern college of Engg.,pune 5.ADCET,Ashta	29/02/2020 27/05/2020 23/5/2020 31/5/2020 4/06/2020	Participant
15	Prajwal Patil		1.Tech-symposium Code-o-fiesta 2.EPISTEME 2K20	DKTE TEI Ichalkaranji	29/02/2020 18/01/2020	Participant
16	Satyajeet A. Teli		Tech-symposium	DKTE TEI Ichalkaranji.	29/02/2020	Participant
17	Nikita C. Patil		1.Tech-symposium (Campus drive) 2.Enthuse 2020 (Technobuzz)	DKTE TEI Ichalkaranji RIT college	29/02/2020 02/3/2020	Participant
18	Shubham Saliyan		1.Tech-symposium (Games of Drones) 2.Koun Banega Quiz Master	1.DKTE TEI Ichalkaranji. 2.J.J.Magdum, Jaysingpur	29/02/2020 04/2/2020	Participant Winner

19	Ravi S. Sawant	1.Tech-symposium (Campus drive) 2. Koun Banega Quiz Master. 3.Quiz on fundamental of power system	1.DKTE TEI Ichalkaranji 2.J.J.Magdum, Jaysingpur. 3.ADCET Ashta	29/02/2020 04/2/2020 10/6/2020	Participant Winner Participant
20	Fiza I. Mulla	Tech-symposium Campus drive	DKTE TEI Ichalkaranji	29/02/2020	Participant
21	Gayatri khot	Tech-symposium Campus drive	DKTE TEI Ichalkaranji	29/02/2020	Participant
22	Deepashree Bedekar	1.Tech-symposium Campus drive 2.NSPIRA 2K20 BBA Dept. 3.Covid Awareness 19 4.Covid Awareness 19 5. Bio Gas plant training 6.Arduino Programming & IOT. 7.World Environment Day	DKTE TEI Ichalkaranji RIT College Islampur Shivaji University Kolhapur DKTE TEI Ichalkaranji AISSMS Pune DKTE TEI Ichalkaranji Shivaji University	29/02/2020 11/01/2020 28/04/2020 07/05/2020 20/05/2020 20/05/2020 29/05/2020	Participant
23	Sourabh Patil	Tech-symposium Game of drones	DKTE TEI Ichalkaranji	29/02/2020	Participant
24	Shubham Janvade	Tech-symposium Game of drones	DKTE TEI Ichalkaranji	29/02/2020	Participant
25	Snehal Giri	Tech-symposium Campus drive	DKTE TEI Ichalkaranji	29/02/2020	Participant
26	Yashodhan Chafekar	1.Tech-symposium 2.Paper Presentation	DKTE TEI Ichalkaranji RIT, Sakharle	29/2/2020 02/03/2020	Participant
27	Ajit jadhav	Tech-symposium Campus drive	DKTE TEI Ichalkaranji	29/02/2020	Participant
28	Ashish Panjawani	1.Tech-symposium (CODE O FIESTA) 2.EPISTEME 2K20	DKTE TEI Ichalkaranji	29/02/2020 18/1/2020	Participant
29	Harshwardhan Chaware	Tech-symposium Game of drones	DKTE TEI Ichalkaranji	29/02/2020	Participant
30	Aditya bhagwat	Tech-symposium Game of drones	DKTE TEI Ichalkaranji	02/03/2020	Participant
31	Hemant Gurav	Tech-symposium Campus drive	DKTE TEI Ichalkaranji	29/02/2020	Participant
32	Kais Bagvan	Tech-symposium Game of drones	DKTE TEI Ichalkaranji	29/02/2020	Participant
33	Krantikumar Bazage	Tech-symposium Campus drive	DKTE TEI Ichalkaranji	29/02/2020	Participant
34	Madhura Kulkarni	Tech-symposium Campus drive	DKTE TEI Ichalkaranji	29/02/2020	Participant



35	Nikhil Desai	Tech-symposium Game of drones	DKTE TEI Ichalkaranji	29/02/2020	Participant
36	Pavankumar Hasaragundagi	Tech-symposium (CODE O FIESTA)	DKTE TEI Ichalkaranji	29/02/2020	Participant
37	Prajyot Patil	Tech-symposium Campus drive	DKTE TEI Ichalkaranji	29/02/2020	Participant
38	Pranav Thorat	Tech-symposium Campus drive	DKTE TEI Ichalkaranji	29/02/2020	Participant
39	Rohan Sulkhude	Tech-symposium Game of drones	DKTE TEI Ichalkaranji	29/02/2020	Participant
40	Rohit Sutar	Tech-symposium (CODE O FIESTA)	DKTE TEI Ichalkaranji	29/02/2020	Participant
41	Shubham Powar	Tech-symposium Game of drones	DKTE TEI Ichalkaranji	29/02/2020	Participant
42	Sourabh Khilare	Tech-symposium Game of drones	DKTE TEI Ichalkaranji	29/02/2020	Participant
43	Tejas Bhosale	Tech-symposium Game of drones	DKTE TEI Ichalkaranji	29/02/2020	Participant
44	Gouri Chavan	Paper Presentation	DKTE TEI Ichalkaranji	29/02/2020	Participant
45	Yashshree D.Parab	Electrical Safety Awareness Quiz	Vamnarao Polytechnic Sangamner	25/2/2020	Participant
46	Hritik Garud	1.Tech-symposium (CODE O FIESTA) 2.Brain charger	DKTE TEI Ichalkaranji KIT college	29/02/2020 16/02/2020	Participant Participant
47	Komal Chougule	Tech-symposium Campus drive	DKTE TEI Ichalkaranji	29/02/2020	Participant
48	Namrata Patil	Tech-symposium Campus drive	DKTE TEI Ichalkaranji	29/02/2020	Participant
49	Praphulla Kamble	Tech-symposium Game of drones	DKTE TEI Ichalkaranji	29/02/2020	Participant
50	Sangmitra Gaikwad	1Tech-symposium (Campus drive) Paper Presentation	DKTE TEI Ichalkaranji	29/02/2020	Participant
51	Tanvi Patil	Tech-symposium Campus drive	DKTE TEI Ichalkaranji	29/02/2020	Participant
52	Kshitija S. Mane	1.Tech-Symposium Game of Drones 2.Covid-19 awareness program 3.Circuit simulation &pcb designing 4.Arduino programing & internet of things. 5. Fundamentals of power system	DKTE TEI Ichalkaranji  DKTE TEI Ichalkaranji  DKTE TEI Ichalkaranji  ADCET, Ashta	29/2/2020  6/5/2020  18-20/5/2020  27/5/2020  5/6/2020	Participant
53	Shourya M. Koli	Tech Symposium Game of Drones	DKTE TEI Ichalkaranji	29/2/2020	Participant
54	Amruta Khot	Tech Symposium Game of Drones	DKTE TEI Ichalkaranji	29/2/2020	Participant

## Students' Achievements in Sports

Sr.No.	Name of Students	Name of Event	Organiser	Period	Remark
1	Kshitija Suresh Mane	Zest's 20 (kabbadi)	COEP,Pune	24-26/1/2020	Winner
		(kho-Kho) ALACRITI (kabbadi)	COEP,Pune AIIMS PUNE	24-26/1/2020	Participant
		Shivaji University Kolhapur Lead College Sports (Medley relay Freestyle Relay Butterfly)	DYP College Kolhapur	18/02/2020 20/2/2020	Participant Winner
			DKTE	14/3/2020	Winner 2 <sup>nd</sup> 3 <sup>rd</sup>
2	Shourya M. Koli	Zest's 20 (kabbadi)	COEP,Pune	24-26/1/2020	Winner
		(kho-Kho) ALACRITI (kabbadi)	AIIMS PUNE	18/02/2020	Participant
		Shivaji University Kolhapur Lead College Sports	DYP College Kolhapur	20/2/2020	Winner
3	Amruta Khot	Zest's 20 (kabbadi)	COEP,Pune	24-26/1/2020	Winner
		Shivaji University Kolhapur Lead College Sports	DYP College Kolhapur	20/2/2020	Winner

## FACULTY CORNER

1. Prof. (Dr). P. V. Kadole Congratulated & felicitated Prof.Dr. V. Jayashree, Madam for her elevation as IEEE senior Member Reward and also for Senior Member IEEE Signal Processing Society & Senior Member IEEE SCCS society



**FACULTY ACHIEVEMENTS IN PAPER PUBLICATION IN  
INTERNATIONAL AND NATIONAL JOURNALS**

SR. No.	Authors	Title of paper	Journal/Volume/Year	ISSN No.	Peer Reviewed/ Indexing/ Impact Factor
1	Dr.V.Jayshree	A Forest Change Detection using auto Regressive Model based Kernel Fuzzy Clustering	International Journal of Engineering and Advanced Technology (IJEAT) <b>Vol 9 Issue 1 S6 December 2019</b>	ISSN :2249 – 8958	Peer reviewed/ <b>Scopus Indexed Google Scholar</b>
		A Comparative Study of Various Methods for Forest Change Detection	International Journal of Grid and Distributed Computing. <b>Vol. 12 No. 3 (2019), 227-244 Feb, 2020</b>	ISSN: 2005 4262 IJGDC	Peer reviewed <b>Web of Science(WoS) Google Scholar</b>
2	V.B. Magdum R.M. Malkar	Role of Dynamic Voltage Restorer (DVR) in Smart Grid	International Journal for Science and Advance Research In Technology (IJSART) <b>Volume 6, Issue 4, pp. 304-308 April – 2020</b>	2395-1052	6.224  Peer reviewed <b>UGC Approved Google Scholar</b>
3	R.M. Malkar V.B. Magdum	Power Quality Control Center using Voltage-Sag Compensation and its Index Calculations- A Review	International Journal for Research in Applied Science & Engineering Technology (IJRASET) <b>Volume 8, Issue IV, pp. 566-573 April – 2020</b>	2321-9653	7.429  Peer reviewed <b>UGC Approved Google Scholar</b>
4	R.M. Malkar V.B. Magdum	Power Quality Control Center using Voltage-Sag Compensation and its Index Calculations- A Review	International Journal for Research in Applied Science & Engineering Technology (IJRASET) <b>Volume 8, Issue IV, pp. 566-573 April – 2020</b>	2321-9653	7.429  Peer reviewed <b>UGC Approved Google Scholar</b>
5	V.B. Magdum R.M. Malkar	Role of Dynamic Voltage Restorer (DVR) in Smart Grid	International Journal for Science and Advance Research In Technology (IJSART) <b>Volume 6, Issue 4, pp. 304-308 April – 2020</b>	2395-1052	6.224  Peer reviewed <b>UGC Approved Google Scholar</b>
6	Mrs. S A Wadekar Mrs.P R Patil	Feature Extraction and FIS Scheme for	International Journal of Advanced Research in	Print ISSN : 2278 - 8875	7.122  Peer reviewed

		fault Detection in PV System	Electrical, Electronics and Instrumentation Engineering IJAREEIE,  <b>Volume 9, Issue 5, May 2020</b>	Online ISSN : 2320 - 3765	<b>Google Scholar</b>
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**Workshops/Short Term Courses Attended 2019-20 Sem II**

Sr no	Name of Faculty	Name of the workshop/STTP Attended	Place	Date
1.	Dr.V.Jayashree	AICTE sponsored One week FDP: Implementation of signal processing algorithms	Electronics & Telecommunication Dept. DKTE, Ichalkaranji	5-12-2020 to 11-12-2020
2.		One week ISTE approved STTP on "Analog, Digital, Mixed signal VLSI Designs using Cadence EDA tools lab".	PG Electronics Department at DKTE	6-1-2020 to 11-1-2020
3.		Electric Solar Vehicle Design and Development	ISIE INDIA (Online)	21 <sup>st</sup> -23 <sup>rd</sup> May 21, 2020 (Three Days)
4.	Mr.Vaibhav. B. Magdum	NAAC Accreditation	D.K.T.E. Society's Textile & Engg. Institute, Ichalkaranji.  <b>(Under PARAMARSH SCHEME)</b>	17 <sup>th</sup> January 2020. (One Day)
5		MATLAB Applications in Engineering and Science (MAES - 2020)	Government College of Engineering, Karad (Online) <b>(Under TEQIP)</b>	27 <sup>th</sup> April to 01 <sup>st</sup> May 2020 (One Week)
6		Research Opportunities in Electrical Engineering	Government College of Engineering, Karad (Online) <b>(Under TEQIP)</b>	7 <sup>th</sup> -16 <sup>th</sup> May 19, 2020 (Two Week)
7		Machine Learning and Deep Learning Applications in Engineering and Science (MLDLAES-2020)	Government College of Engineering, Karad (Online) <b>(Under TEQIP)</b>	16 <sup>th</sup> May to 20 <sup>th</sup> May 2020 (One Week)
8		Recent Trends in Electrical Engineering" RTEE-2020	Priyadarshini College of Engineering, Nagpur. (Online)	18 <sup>th</sup> May to 22 <sup>nd</sup> May 2020 (One Week)
9		Renewable Energy and Utilization	Sandip Institute of Engineering and	26 <sup>th</sup> May to 30 <sup>th</sup> May 2020 (One Week)

			Management Nashik (Online)	
10		Power Quality and Reactive Power Management	SIT COE Yadrav Ichalkaranji. (Online)	01 <sup>st</sup> June to 05 <sup>th</sup> June 2020 (One Week)
11		Advance Research Methodology and Innovative Teaching Pedagogy	Tulsiramji Gaikwad-Patil College of Engineering and Technology, Nagpur. (Online)	08 <sup>th</sup> June to 13 <sup>th</sup> June 2020
12		Recent Trends in Power Systems	SIT COE Yadrav Ichalkaranji. (Online)	22 <sup>nd</sup> June to 26 <sup>th</sup> June 2020 (One Week)
13	Mr. R.M.Malkar	Effective Teaching By IUCEE.	DKTES TEI, Ichalkaranji	12 <sup>th</sup> to 14 <sup>th</sup> Feb.2020 (Three Days)
14		MATLAB Applications in Engineering and Science (MAES - 2020)	Government College of Engineering, Karad (Online)  <b>(Under TEQIP)</b>	27 <sup>th</sup> April to 01 <sup>st</sup> May 2020  (One Week)
15		Research Opportunities in Electrical Engineering	Government College of Engineering, Karad (Online)  <b>(Under TEQIP)</b>	7 <sup>th</sup> -16 <sup>th</sup> May 19, 2020  (Two Week)
16		Machine Learning and Deep Learning Applications in Engineering and Science (MLDLAES- 2020)	Government College of Engineering, Karad (Online)  <b>(Under TEQIP)</b>	16 <sup>th</sup> May to 20 <sup>th</sup> May 2020 (One Week)
17		Recent Trends in Electrical Engineering" RTEE-2020	Priyadarshini College of Engineering, Nagpur. (Online)	18 <sup>th</sup> May to 22 <sup>nd</sup> May 2020 (One Week)
18		Renewable Energy and Utilization	Sandip Institute of Engineering and Management Nashik (Online)	26 <sup>th</sup> May to 30 <sup>th</sup> May 2020 (One Week)
19		Power Quality and Reactive Power Management	SIT COE Yadrav Ichalkaranji	01 <sup>st</sup> June to 05 <sup>th</sup> June 2020 (One Week)
20		Advance Research Methodology and Innovative Teaching Pedagogy	Tulsiramji Gaikwad-Patil College of Engineering and Technology, Nagpur.	08 <sup>th</sup> June to 13 <sup>th</sup> June 2020
21		Recent Trends in Power Systems	SIT COE Yadrav Ichalkaranji	22 <sup>nd</sup> June to 26 <sup>th</sup> June 2020 (One Week)

22	Mr. S S Magdum	Research Opportunities in Electrical Engineering	Government College of Engineering, Karad (Online) <b>(Under TEQIP)</b>	7 <sup>th</sup> -16 <sup>th</sup> May 19, 2020 (Two Week)
23	Mrs. S S Kharage	Advances in Solar systems, EV and Awareness, National organized by IEE PES –IAS chapter IEEE pune section	G H Rasoni Institute Of Engineering And Technology Pune	25 <sup>th</sup> -26 <sup>th</sup> Feb 2020 (Two Day)
24		Recent Advances in Transmission Insulator	NPTTEL SWAYAM (Online)	27 <sup>th</sup> Jan -21 <sup>st</sup> Feb 2020 (Four week)
25		Electric Solar Vehicle Design and Development	ISIE INDIA (Online)	21 <sup>st</sup> -23 <sup>rd</sup> May 21, 2020 (Three Days)
26		Research Opportunities in Electrical Engineering	Government College of Engineering, Karad (Online) <b>(Under TEQIP)</b>	7 <sup>th</sup> -16 <sup>th</sup> May 19, 2020 (Two Week)
27		Machine Learning and Deep Learning Applications in Engineering and Science (MLDLAES-2020)	Government College of Engineering, Karad (Online) <b>(Under TEQIP)</b>	16 <sup>th</sup> May to 20 <sup>th</sup> May 2020 (One Week)
28		Advance Research Methodology and Innovative Teaching Pedagogy	Tulsiramji Gaikwad-Patil College of Engineering and Technology, Nagpur.	08 <sup>th</sup> June to 13 <sup>th</sup> June 2020
29	Mr.Prashant M. Jadhav	UGC sponsored two day's online National workshop on "Awareness of Intellectual Property Rights: A Need Of Hour"	Shivaji University.	8 <sup>th</sup> and 9 <sup>th</sup> May 2020. (Two Days)
30	Mr.Prashant M. Jadhav	Machine Learning and Deep Learning Applications in Engineering and Science (MLDLAES-2020)	Government College of Engineering, Karad (Online) <b>(Under TEQIP)</b>	16 <sup>th</sup> May to 20 <sup>th</sup> May 2020 (One Week)
31		Problem Based Learning	JSPM's Rajarshi Shahu College of Engineering, Pune	1 <sup>st</sup> June to 5 <sup>th</sup> June 2020. (One Week)

	Advance Research Methodology and Innovative Teaching Pedagogy	Tulsiramji Gaikwad-Patil College of Engineering and Technology, Nagpur.	08 <sup>th</sup> June to 13 <sup>th</sup> June 2020. (One Week)
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## PUBLICATION IN BOOK OF CHAPTER

### Dr. V.Jayashree

Published a Chapter on "A Forest Change Detection Using Auto Regressive Model-based Kernel Fuzzy Clustering: Advanced Study" Chapter 13, Emerging Trends in Engineering Research and Technology Vol. 4 Pg.139-146

Print ISBN: 978-93-90149-56-8, eBook ISBN: 978-93-90149-01-8, DOI: 10.9734/bpi/etert/v4 , Book Publisher International

Published a chapter on "Implementation and Experimental Validation of LDPC Codes for DVB-S2 Forward Error Correction" Book Series, ICDSMLA 2019 pp 1417-1428, Published 19-5-2020. Indexing by ISI Proceedings, EI-Compendex, SCOPUS, MetaPress, Web of Science and Springerlink

### Research Paper Review

1. Dr V .Jayashree reviewed paper of IEI-B series on " Diseases Detection of Various Plant Leaf using Image Processing Techniques: A Review" on 20-5-2020
2. Dr. V .Jayashree reviewed paper of IEEE conference, ICSGREC June 2020 on Augmented Reality for Patient Information using Face Recognition and Cloud Computing.

### Research Lab under Modrob

1. Dr V. Jayashree completed setting up of "Analog, Digital, Mixed signal Vlsi Designs using Cadence EDA tools lab" amounting to 14.82 lacs sanctioned under AICTE-MODROB.



### STTP Organized

1. Dr V. Jayashree organized one week ISTE approved STTP on "Analog, Digital, Mixed signal Vlsi Designs using Cadence EDA tools lab" from 6-1-2020 to 11-1-2020. As many as 36 participants comprising of faculty, PG/Ph.D students took the benefit of the same.

### Expert lecture delivered

1. Dr V. Jayashree delivered an expert lecture in one week ISTE approved STTP on "Analog, Digital, Mixed signal VISI Designs using Cadence EDA tools lab" organized at DKTE, from 6-1-2020 to 11-1-2020.

## Ph.D. Research Student under Dr.V.Jayashree

Sr. No	Research Student Name	PhD Topic	Laboratory Required	Registrati on Date	Name of Guide/CoGuide
1	Mrs.Pooja Puri	A novel Low Power SAR ADC for monitoring body temperature using wearable sensors	VLSI & Embedded Laboratory , DKTE's TEI, Ichalkaranji	2019-20 Registered	Dr.V.Jayashree /-

2	Ms.Vidyullat a Patil	Power efficient approximate multiplier using Novel XOR-XNOR Cell for Image processing Application	VLSI & Embedded Laboratory , DKTE's TEI, Ichalkaranji	Dr.V.Jayashree  /-
3	Mr. Avadhoot Telipatil	Wireless Hand gusture trainer & Assistance system for patients with Parkinson's disease	VLSI & Embedded Laboratory , DKTE's TEI, Ichalkaranji	Dr.V.Jayashree  /-
4	Mr.Vaibhav Davande	Smart traffic Noise Pollution monitoring system for prediction of vehicle horn legality for corrective action	VLSI & Embedded Laboratory , DKTE's TEI, Ichalkaranji	Dr.V.Jayashree  /-

### Dissertation Guidance

1. Dr.V.Jayashree guided PG Electronics Dissertation on Low Power High Speed Accuracy Controllable Approximate multiplier Design.

### Workshops/Short Term Courses organized 2019-20 Sem II

Name of the organizer	Name of the Industry webinar	Place	Date
Dr.V.Jayashree	Industry Webinar on "Energy, Automation and Virtual Reality" Industry Experts: Mr. Krishna Rao, Bengluru & Manthan Shet Deputy Manager Education & Training, Bombay, both from Scheinder Electric Private Ltd India.	Electrical Engineering Department. DKTE, Ichalkaranji	9-5-2020 from 11 am. to 12.30pm.
	"Basic Concepts of Quality in Industry" was organized.  Industry Expert, Mr. M.G.Hulkund, Deputy General Manager & quality Assurance Manager from AGNI Motors, Bengaluru deliberated on the concepts of quality, Industry standard Tools for product development, product checklist.	Electrical Engineering Department. DKTE, Ichalkaranji	8-5-2020 from 11 am. to 12pm.
	Webinar on "Power Quality Solutions" was organized jointly with Shreem Electric Ltd. as a part of student knowledge enhancement program Industry Expert, Mr.Nagesh Dhang of Shreem Electric Ltd. was the main speaker. This was arranged by Dr. V.Jayashree as a part of student knowledge enhancement. All third year students along with faculty members attended the Webinar.	Electrical Engineering Department. DKTE, Ichalkaranji	23-5-2020 from 11 am. to 1.00 pm.



## OTHER SPECIAL ACHIEVEMENTS BY FACUTLY

### Successful Completion of Webinars

#### Dr.V.Jayashree:

1. MHRD-AICTE innovation Cell: Leadership Talk Series - with Prof. Anil D. Sahasrabudhe, AICTE Chairman on 9th April, Talks by Padma Bhushan Dr.V.K.Saraswat and Dr. Anand Deshpande on 13th & 14th April, 2020 @ 11.00 am, Shri R. Subrahmanyam, Secretary, Department of Social Justice & Empowerment
2. BharatPadhe Online portal to invite ideas for improving Online Education (with specific thrust on e learning) in India on 11-4-2020 and **Sent suggestions**
3. Global Webinars on OnLine Engineering Education:"Online Classroom – Need of the Hour", on 16-4- 20 IUCEE
4. Invitation -Webinar 'Learning to be an online teacher',April 21, 2020
5. NPTEL lecture series Towards Explainable AI Rise of AI and Machines:19-4-2020
6. Innovation Cell- e Sessions as IIC Activity for the Calendar Year 2019-2020
7. Understanding Role and Application of Marketing Research at Idea to Start up Stage - Foundation Level
8. Idea, Entrepreneurship Opportunities, Business Model and Business Plan
9. Innovating Self Screen and Identify right opportunities
10. Introduction to ANSYS
11. "Developing effective learning outside classroom during COVID-19" on 23-4-2020
12. Witness the Elets Live Webinar today on "From Pandemic Pedagogy to Planned Online Learning and Teaching" 23-4-2020
13. EMBRACING ONLINE LEARNING DURING THE CORONAVIRUS OUTBREAK | APRIL 27 2020
14. Role of IOT on Industrial Applications,21-5-2020 organized by Setu Insti. Of Technology, and PANTECH
15. Wednesday Wisdom - University of The Future | May 20
16. Idea, Business Model and Business Plan 18-5-2020
17. Leadership Talk Series with Shri Mahesh Babu, CEO, Mahindra Electric Mobility Ltd on 23rd May 2020
18. ATAL Online FDPs , 25-5-2020
19. FICCI FUTURE-X: LEADERSHIP DEVELOPMENT PROGRAM, 12th-13th JUNE
20. "Covid-19 Awareness program" organised by National Service scheme and Shiv Sahayata Disaster Management Center Shivaji University, Kolhapur with a Score of 95% on 28<sup>th</sup> April 2020
21. Completed one day National webinar course on Simulation driven Innovation for e-Mobility organized by KLE Technological University, Hubballi, Karnatak on 10-6-2020.
22. "Face Recognition using deep Learning" on 30-6-2020, organized by Balaji Insti. Of Technology, Warangal, in association with PANTECH.
23. Attended Impact lecture Series on Intellectual Property Rights conducted by DKTE in association with PSP-IP & IICL sponsored by MHRD, Govt. of India on 1-07-2020.
24. "Applications of IOT and Emerging Business Models" organized under TEQIP -III by Elx & Instrumentation Dept BEC College Bagalkot on 4-7-2020.
25. "Image Processing Applications" on3-7-2020 organized by AIMIT ST.Aloysisis College, Mangalore.
26. System Verilog and UVM based verification using Quest SIM on 3-7-2020 organised by COREL technologies, Bangalore.
27. 3-D cable Modelling in COMSOL Multiphysics on 24-7-2020 organized by IEEE Continuing Education.
28. Senior Member IEEE Signal Processing Society
29. Senior Member IEEE SCCS society

#### Mr.Vaibhav B. Magdum

1. E-Learning program on "Power Systems Earthing" by TATA Steel on 09<sup>th</sup> April 2020.

2. E-Learning program on "Transformer" by TATA Steel on 10<sup>th</sup> April 2020.
3. E-Learning program on "Induction Motor" by TATA Steel on 16<sup>th</sup> April 2020.
4. Attended Live Webinar Series on "Electric Solar Vehicle Project" Total three Webinar Session with a Score of 71.875% conducted by Imperial Society of Innovative Engineers (ISIE) INDIA during 17<sup>th</sup> to 19<sup>th</sup> April 2020.
5. "Covid-19 Awareness program" organised by National Service scheme and Shiv Sahayata Disaster Management Center Shivaji University, Kolhapur with a Score of 100% on 28<sup>th</sup> April 2020.
6. "Covid-19 Awareness program" organised by Smart Campus Cloud Network, MIT School of Engineering, MIT Art Design and Technology University, Pune with a Score of 95% on 27<sup>th</sup> April 2020.
7. "Covid-19 Awareness Quiz program" organised by MVPK Mahavidyalay, Islampur with a Score of 90% on 28<sup>th</sup> April 2020.
8. Completed 100% of the self-paced training course on "MATLAB Onramp" by Mathworks Training Services under AICTE-ELIS E-Learning courses on 30<sup>th</sup> April 2020.
9. Completed "Covid-19 Awareness program" organised by DKTE Society's Textile and Engineering Institute, Ichalkaranji with a Score of 100% on 05<sup>th</sup> May 2020.
10. "Faculty Awareness Programme on Outcome Based Education (OBE) and NBA Accreditation" organised by Sinhgad Institute of Technology and Science, Narhe, Pune on 06<sup>th</sup> May 2020.

#### **Mr.Ravindra M. Malkar**

1. E-Learning program on "Power Systems Generation" by TATA Steel on 11<sup>th</sup> April 2020.
2. E-Learning program on "Power Systems Protection" by TATA Steel on 14<sup>th</sup> April 2020.
3. "Covid-19 Awareness program" organised by National Service scheme and Shiv Sahayata Disaster Management Center Shivaji University, Kolhapur on 28<sup>th</sup> April 2020.
4. 100% of the self-paced training course on "MATLAB Onramp" by Mathworks Training Services under AICTE-ELIS E-Learning courses on 30<sup>th</sup> April 2020.
5. "Covid-19 Awareness program" organised by DKTE Society's Textile and Engineering Institute, Ichalkaranji with a Score of 96% on 05<sup>th</sup> May 2020.
6. "Faculty Awareness Programme on Outcome Based Education (OBE) and NBA Accreditation" organised by Sinhgad Institute of Technology and Science, Narhe, Pune on 08<sup>th</sup> May 2020.

#### **Mrs. Supriya Kharage**

1. "Covid-19 Awareness program" organised by National Service scheme and Shiv Sahayata Disaster Management Center Shivaji University, Kolhapur with a Score of 85% on 28<sup>th</sup> April 2020.
2. Mrs. Supriya S Kharage has Completed "Covid-19 Awareness program" organised by DKTE Society's Textile and Engineering Institute, Ichalkaranji with a Score of 100% on 05<sup>th</sup> May 2020.
3. Prashant M. Jadhav has successfully completed the online "COVID-19 Awareness Program" organized by DKTE'S TEI on 5<sup>th</sup> May 2020.

#### **Mr.Prashant M. Jadhav**

1. Online "COVID-19 Awareness Program" organized by National service scheme and Shiv sahayata disaster Management Centre, Shivaji University, Kolhapur.
2. Technological Advancements in the Field of Electronics and Telecommunication Engineering" from May 5, 2020 to May 9, 2020.
3. "Faculty Awareness Programme on "Outcome Based Education (OBE) and NBA Accreditation "Organized by Sinhgad Institute of Technology and Science, Narhe, Pune on 6-5-2020.
4. E-Learning program on "Power Systems Earthing" by TATA Steel on 09<sup>th</sup> April 2020.
5. An Hour of "Introduction to Electric Vehicals" online course on 1<sup>st</sup> Jan.2020.

#### **Mr.Shirish S Magdum**

1. Guided the project on 'Electrostatic dust separator' of Final year Mech students.
2. Guided the project on 'Electrical conductivity of cloth' of Final year TC students.
3. Guided the project on 'Heater Design for yarn' of Final year TPE students.
- 4.

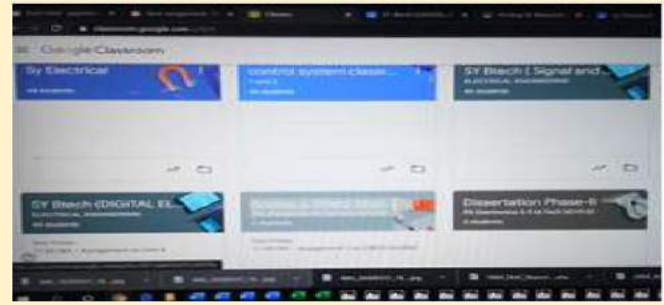
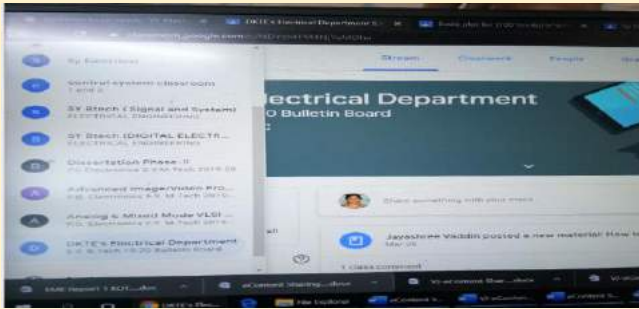
**Live Webinar/Quiz/ Training (Online)**

1.	Live Webinar on "Impact of Higher Education in the post-COVID Economy" organised by FICCI on 15 <sup>th</sup> May 2020.	Self Learning	Attended by VBM, RMM , SSK and PMJ
2.	Online Quiz on "Power Electronics and Drives" organised by AISSMS College of Engineering, Pune on 20 <sup>th</sup> May 2020	Self Learning	Attended by VBM, RMM
3.	Live Webinar on "Research Challenges in Wind Energy Systems" conducted by Chennai Institute of Technology on 22 <sup>nd</sup> May 2020	Self Learning	Attended by VBM
4.	Live Webinar on "Power Quality Solutions" organised by Electrical Engineering Department of DKTES TEI, Ichalkaranji and Shreem Electric Ltd, Jaysingpur on 23 <sup>rd</sup> May 2020	Knowledge Enhancement	Attended by Dr.V.Jayashree,VBM, SSM, RMM , SSK and PMJ
5.	Online Quiz Questionnaire on "Pedagogy and Professional Responsibilities" with a Score of 75% organised by PES College of Engineering, Aurangabad on 26 <sup>th</sup> May 2020	Self Learning	Attended by VBM
6.	Three Days Technical Webinar on "Arduino Programming and Internet of Things" conducted by Electronics Engineering Department, DKTES TEI, Ichalkaranji on 25 <sup>th</sup> to 27 <sup>th</sup> May 2020	Knowledge Enhancement	Attended by V.Jayashree, VBM, RMM , SSK and PMJ
7.	National Level Quiz on "Waste Water Engineering" organised by VPM's Maharshi Parshuram College of Engineering, Velneshwar on 27 <sup>th</sup> May 2020	Self Learning	Attended by VBM
8.	Online Quiz on "Control Systems" with a score of 45% organised by Finolex Academy of Management and Technology, Ratnagiri on 27 <sup>th</sup> May 2020	Self Learning	
9.	Online Quiz on "Electrical Vehicle" with a score of 80% organised by Trinity College of Engineering and Research, Pune on 27 <sup>th</sup> May 2020	Self Learning	
10.	Live Webinar on "NAAC Accreditation Management System Demo" conducted by inPods education Technologies and Services on 27 <sup>th</sup> May 2020	Self Learning	
11.	Live Webinar on "Online Teaching-Learning and Online Assessment Demo" conducted by inPods education Technologies and Services on 28 <sup>th</sup> May 2020	Self Learning	
12.	National Level Online Quiz Competition on "Problem Based Learning (PBL)" with score of 55% organised by Vishwaniketan's iMEET on 28 <sup>th</sup> May 2020	Self Learning	
13.	Online Quiz on "Teaching and Research Aptitude" organised by Department of Electrical Engineering, Vishwaniketan's iMEET-Khalapur on 29 <sup>th</sup> May 2020	Self Learning	
14.	Online Quiz on "Electrical Power Quality" with a score of 67% organised by Bharati Vidyapeeth (Deemed To Be University) College of Engineering, Pune on 29 <sup>th</sup> May 2020	Self Learning	
15.	Quiz on "Electrical Machines" with a score of 65% organised by Finolex Academy of Management and Technology, Ratnagiri on 30 <sup>th</sup> May 2020	Self Learning	Attended by VBM,PMJ,SSK
16.	Quiz on "Electrical and Electronic Measurements" with a score of 80% organised by Finolex Academy of Management and Technology, Ratnagiri on 30 <sup>th</sup> May 2020	Self Learning	Attended by VBM

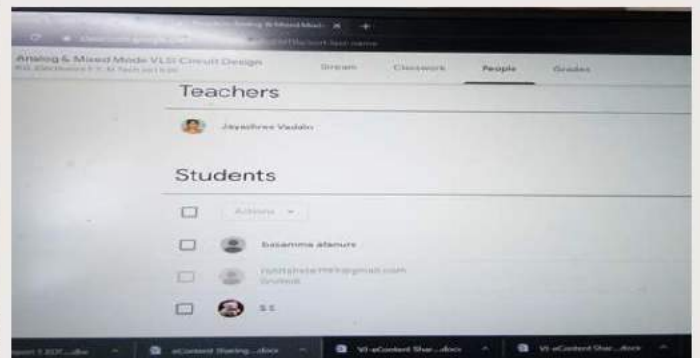
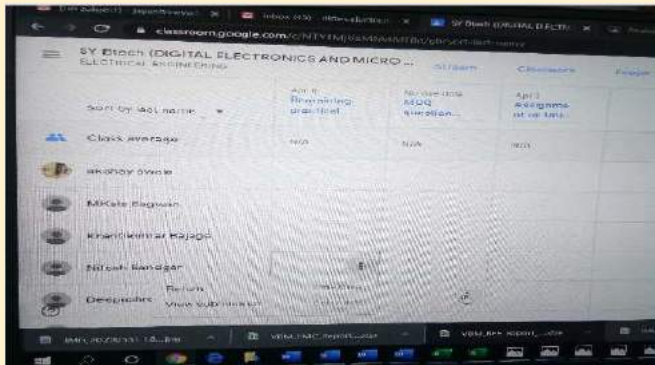
17.	Live Webinar on "Design of Transformers" organised by ADCET, Ashta on 31 <sup>st</sup> May 2020	Self Learning	Attended by VBM,PMJ
18.	Online Quiz on "Fundamentals of Power System" organised by ADCET, Ashta on 04 <sup>th</sup> June 2020	Self Learning	Attended by VBM, RMM
19.	Online Quiz on "World Environment Day" with a score of 95% organised by Shivaji University, Kolhapur on 05 <sup>th</sup> June 2020	Self Learning	Attended by VBM, RMM, PMJ
20.	Live Webinar on "Climate crises and its effect on Biodiversity" organised by DKTES TEI, Ichalkaranji on 05 <sup>th</sup> June 2020	Self Learning	Attended by Dr.V.Jayashree , VBM, RMM
21.	Online Technical Quiz Programme on "FACTS Device based Power Quality Improvement" organised by Muhamed Sathak Engineering College, Kilakarai on 06 <sup>th</sup> June 2020	Self Learning	Attended by VBM RMM
22.	National Level Online Technical Quiz on "Electrical Safety" organised by AISSMS COE, Pune on 06 <sup>th</sup> June 2020	Self Learning	Attended by VBM, RMM,PMJ
23.	Online Quiz on "Electrical Safety and Save Electricity" organised by AMGOI, Vathar on 06 <sup>th</sup> June 2020	Self Learning	Attended by VBM, RMM, PMJ
24.	Energy efficiency in Utility By HOIKE Hioki India Pvt. Ltd 10 /06/ 20	Self Learning	Attended by SSM
25.	Introduction to bailers and Heaters by DKTE 13/06/20	Self Learning	
26.	Webinar on "Design of Analog Layout & Opportunities and Challenges in Semiconductor Domain" organized by Department of Electronics & Communication Engineering, KLE College of Engineering & Technology, Chikodi.	Self Learning	Attended by PMJ
27.	MULTIDISCIPLINARY IoT BASED LEARNING ONLINE QUIZ on 6/3/2020	Self Learning	
28.	online webinar on "MATLAB Software for Power Electronics- Hands on Training" organized by the Department of Electrical and Electronics Engineering, Arasu Engineering College, Kumbakonam on 30.05.2020.	Self Learning	
29.	Attended the webinar series on Virtual Knowledge Summit: Challenges and Future scope for E&Tc. Engineering after COVID-19 organized by Electronics & Telecommunication Engineering Department from 30/05/2020 to 1/06/2020.	Self Learning	
30.	Completed two days Training Program on "Electrical Equipment's - Study & Testing" from 25th to 26th May, 2020. Organized by Department of Electrical Engineering, Rajarambapu Institute of Technology, Rajaramnagar under the aegis of RIT-IEEE Student Branch and Center for Teaching & Learning (RIT-CTL), in association with FLUKE and Revine Technologies Pvt. Ltd Pune.	Self Learning	

# Testimony of On Line Teaching During COVID-19 Pandemic March to June, 2020

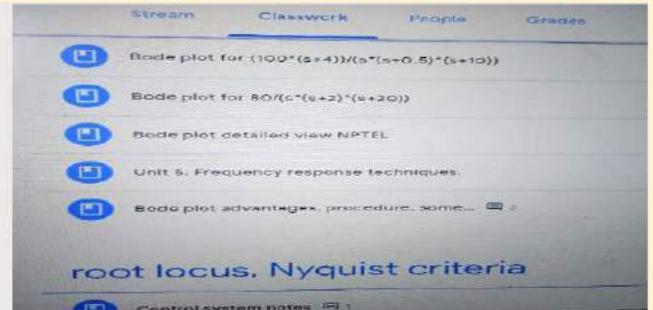
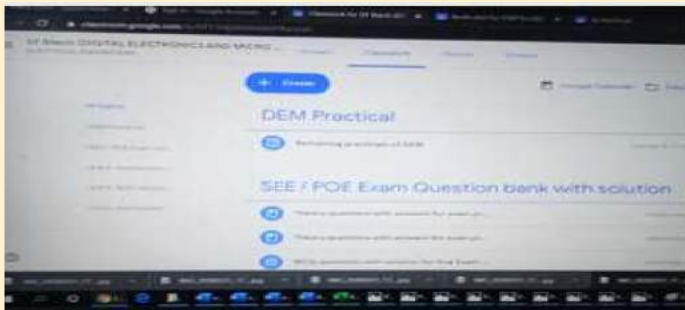
All faculty Members Electrical Department on-line Bulletin Board for Teaching Learning



Student Enrolment and Assignment evaluation



e-Learning Material uploaded in a eClass



## Testimonials of COVID-19: Glimpses of e-ClassRoom & On-Line Exams



# Thank You...