# All India Shri Shivaji Memorial Society's

## COLLEGE OF ENGINEERING PUNE-1

# DEPARTMENT OF ELECTRICAL ENGINEERING

# **ANNUAL REPORT**

# 01 JUNE 2020 to 31 MAY 2021

#### INTRODUCTION

Year of Establishment	1992
UG Programmes	BE Electrical
PG Programmes	ME Electrical (Power Electronics and Drives)
Number of Teaching Staff	13
Number of Non-Teaching Staff	07

#### LABORATORIES IN THE DEPARTMENT

S N	Name of Laboratory	S N	Name of Laboratory
1	Applied Electronics		Power Electronics & Drives
2	Computer Center		Power Systems
3	Electrical Measurement,	8	Project/M E Hardware
	Instrumentation & Control		
4	Electrical Machines		Core
5	High Voltage Engineering	10	

#### SOFTWARES AVAILABLE IN THE DEPARTMENT

S N	Softwares Available	S N	Softwares Available
1	Matlab		
2	ETAP		
3	Turbo C		

#### FACULTY IN THE DEPARTMENT

S N	Name of faculty	Designation	S	Name of faculty	Designation
			Ν		
1	Dr Mrs A A Godbole	Professor	8	Mrs.P.Sankala	Assistant Professor
2	Dr.Mrs M H Dhend	Assistant Professor	9	Mrs V N Tarange	Assistant Professor
3	Mr S K Biradar	Assistant Professor	10	Mr.C.D.Kulkarni	Assistant Professor

4	Dr Mrs A A Apte	Assistant	11	Mr R S Shinde	Assistant Professor
		Professor			
5	Mr.L.S.Godse	Assistant	12	Mrs Sreerekha	Assistant Professor
		Professor		Vadi	
6	Mrs.S.R.Lengade	Assistant	13	Mrs.S.S.Mujawar	Assistant Professor
		Professor			
7	Mr.V.S.Ponkshe	Assistant			
		Professor			

#### **DETAILS OF SUPPORTING STAFF**

S N	Name of Non	Designation	S	Name of Non teaching	Designation
	teaching		Ν		
1	Mr.Dhobe	Electrician/( Lab Asst.)	5	Mr.Dhobe	
2	Mr. G D Dongare	Lab Assistant	6	Mr S M Divate	
3	Mr P. B Shinde	Lab Assistant	7	Mr P. B Shinde	
4	Mrs.P V Pahak	Lab Assistant			

### STUDENTS' ENROLLMENT

Programm	GI	EN	SC		S	Г	O	BC	PW	/D	Oth	ers	Т	otal
	Μ	F	Μ	F	Μ	F	Μ	F	Μ	F	Μ	F	Μ	F
UG (Elect)	13	1	7	2	1	0	1 1	4			12	5	44	12
PG (PE)	1	1		1				1				1	1	4

# Class Result Analysis (LAST TERM)

			No. Of Students					Percentage of Passing					
S N	S N Class	Appe ared	Clear Passed	Outstanding (O) (9 -10)	Excellent (A+) (8.5 – 8.99)	Very Good (A) (7.5 – 8.49)	Good (B+) (6.5 - 7.49)	Above Average (B) (5.5 – 6.49)	Aver age (4.25 - 5.49) Class	Pass Class (4 – 4.24	Fail (F) 0 – 3.99	All Clea r	With ATK T
1	SE	84	81	17	28	31	05	-	-	-	-	81	03
2	TE	77	77	77	0	0	0	0	0	0	0	77	
3	BE	77	71	07	13	24	27	-	-	-	-	71	06

## UNIVERSITY RANKERS (LAST ACADEMIC YEAR)

Sr No	Name of the Ranker	Class	Rank
	Nil		

#### ACHIEVEMENTS OF FACULTY (AWARDS, RECOGNITION, PHD COMPLETION ETC.)

SN	Name of Faculty	Awards & Recognition
1	Dr AA Godbole	Worked as reviewer for IEEE Transaction on Industrial Electronics
2.	Dr.A.A.Apte	Worked as reviewer for IEEE Journal CAA

## CONTRIBUTION OF FACULTY (Interaction with outside world)

SN	Name of Faculty	Nature and details of contribution (Representation at University, State, National , International level)
01	Dr A A Godbole	International: 1. Worked as reviewer for IEEE Transaction on Industrial Electronics
02	Dr. Mrs. M. H. Dhend	<ul> <li>International:</li> <li>1) Working as an IEEE Webinar Reviewer</li> <li>2) Working as an IEEE Smart Cities Education &amp; Marketing Committee member</li> <li>3) Contributed as a Technical Programme Committee member in IEEE PES, 8<sup>th</sup> International conference on smart grid and clean energy technologies (ICSGCE), conducted on 4-7 October 2020, Sarawak, Malaysia</li> <li>4) Worked as a Member of Technical Programme Committee of World Conference on Robotics and Artificial Intelligence, October 21-22, 2020, Rome, Italy</li> <li>5) Worked as a Planning committee member for IUCEE National 6 week Online Teaching course for faculties of professional colleges in India</li> </ul>

		6) Acted a coordinator and volunteer faculty at National level for mentoring several teams of IUCEE-EWB 6 Month's Leadership course of 250 students from 25 colleges students
03	Dr.A.A.Apte	<ul> <li>International:</li> <li>1. Worked as reviewer for IEEE transaction on Power Electronics</li> <li>2. Worked as reviewer for Asian Journal of Control</li> <li>3. Worked as reviewer for IEEE journal CAA</li> </ul>
04	S R Lengade	Assisted as Panel Member in TE 2019 course Syllabus Revision SPPU for the course Energy Management

#### FUNDED RESEARCH PROJECT

S N	Principal Investigator	Title of the Project	Amount Received (Rs)	Funding Agency
Nil				

# FDP/STTP/SEMINARS/CONFERENCES/WORKSHOPS/ SYMPOSIUMS

# **ORGANIZED BY THE DEPARTMENT (For Faculty)**

S N	Name of Coordinator/s	Title of the FDP/STTP/WS/Seminar/ Symposium	Duration / Dates	No. of Participa nts	Funding Agency (If any) and Amount (Rs.)
1	Dr.A.A.Apte	Electric Hybrid Vehicle Hybrid Energy Storage System (HESS) technology	5-9 Oct. 2020	250	AICTE ATAL Rs.93000/-
2	R.S.Shinde	webinar on "Exploring Microsoft teams: An online teaching platform"	15th july 2020.	220	

3	V S Ponkshe, P Sankala, Dr A A Godbole	TE syllabus Revision workshop	2 June 2021	100	
4	S. Vadi	Webinar on "Emotional Intelligence"	17 May 2021	150	

#### FDP/STTP/SEMINARS/CONFERENCES/WORKSHOPS/ SYMPOSIUMS

# ATTENDED BY THE DEPARTMENT FACULTY

S N	Name of Faculty	Title of the FDP/STTP/WS/Seminar/ Symposium	Organized by	ration and Date
01	Dr A A Godbole	Effective Teaching and Learning of Power Converters for Electric Vehicles"	NIT Warangal	1-6 March 2021
		Revision of curriculum structure for B. Tech Electrical & Computational Engineering	BVDUCOE	One day 8 May 2021
		TE syllabus revision workshop of TE Electrical	SPPU	One Day 2 June 2021
		SPPU university teacher's refresher course/Faculty Orientation Program On Curriculum Implementation of SE Electrical Engineering	SPPU Board of Studies of Electrical Engineering and The Department of Electrical Engg., SIT, Lonawala	One day 23 June 2020
		Robotics	NPTEL FDP	8 weeks Aug-Oct 2020
		AICTE Quality Improvement Scheme (AQIS)sponsored One week online short Term Training Program on Innovative & Inventive Problem Solving	AICTE-AOIS	29/06/2021 - 04/07/2021

		Writing & Publishing Quality Research Papers in Scholarly Top tier Journals	First year department of RMD Sinhgad School of Engineering, Warje Pune	19/07/2020 - 20/07/2020
02	Dr. Mangal Dhend	One week FDP on internet of things for futuristic smart applications	Bharati Vidyapeeth college of engineering	17-21 May 2021
		National FDP on "Introduction To Outcome Based Education And Enhancing Quality Of Teaching Learning"	Govindrao Wanjari College of Engineering and Technology Polytechnic Nagpur	One week 15-19 June 2020
		SPP university teacher's refresher course/Faculty Orientation Program On Curriculum Implementation of SE Electrical Engineering,	SPPU Board of Studies of Electrical Engineering and The Department of Electrical Engg., SIT, Lonawala	One day 23 June 2020
		DTE Approved FDP on "Accreditation to Engineering and Professional Ethics" AEPE 2020	Government College of Engineering Nagpur	One week 08 -12 July 2020
		International conference on Recent innovations in science, engineering and technology	Govindrao Wanjari College of Engineering and Technology, Nagpur	2 days 13-14 July 2020
		Five day Online Faculty Development Programme (FDP) on Research methodology organized	Malla Reddy Engineering College for Women (Autonomous): Hyderabad	One week 27th to 31st July 2020
		<ul><li>5 days, Online Faculty Development Programme on Applications of Industry</li><li>4.0 and IoT in the field of Engineering and Medical</li></ul>	Deogiri Institute of Engineering and Management Studies, Aurangabad	One week
		AICTE sponsored Online Short Term Training Programme on "Modeling and Simulation of Renewable Energy Systems using MATLAB"	Misrimal Navajee Munoth Jain Engineering College, Chennai	One week 3-8 August 2020

		Accreditation webinar series W-10	NITTR, Bhopal	20 August 2020
		National level online Teaching Course	IUCEE	6 weeks August- September 2020
		AICTE Training and Learning (ATAL) Academy Online Elementary FDP on Leveraging Design Thinking for Innovation	IMI KOlkata	12/07/2021 - 16/07/2021
			National Institute of Fashion Technology, Hyderabad	07/07/2021 - 11/07/2021
		Short Term Training Programme through ICT Mode on Online Pedagogy	NITTTR, Kolkata	28/06/2021 - 02/07/2021
			Dr. D. Y. Patil Institute of Technology, Pimpri, Pune. Department of Electrical Engineering and Instrumentation Engineering.	07/05/2021 to 18/06/2021
		One Week online Faculty Deve;opment Program		06/07/2020 - 10/07/2020
03	Dr.A.A.Apte	Two weeks FDP on "Artificial Intelligent Controller for Smart charging of Electric Vehicle	PES Modern College of Engineering Pune	18Jan1Feb 2021
		and other Applications"		

	One week workshop on NBA awareness	Association of Management of Unaided Engineering Colleges Maharashtra	11-14 May 2021
	TE Syllabus Revision workshop	AISSMS COE Pune	2 June 2021
	Webinar Why IP is important for Academician	MHRD AICTE	26th April 2021
	web seminar on Energy Efficiency in Electrical System & Power Quality	ASSOCHAM INDIA	7th May 2021
	AICTE sponsored STTP on Optimal Operation of Power System Incorporating renewable Energy sources	SAGE Sagar Institute of Research and Technology Bhopal	1 week 27 July- 1 August 2020
	AICTE sponsored STTP Modelling and simulation of Renewable Energy sources using MATLAB	Misrimal Navajee Munoth Jain Engineering College TamilNadu	1 week 3-8 August 2020
	AICTE and ATAL FDP Control System and sensor Technology	IIIT Nagpur	1 week 20-25 Sept. 2020
	NITTTR Webinar series on NBA accreditation process W- 1 to W-10	NITTTR Bhopal	9 July 2020 - 20 August 2020

04	L S Godse	Webinar on "Gender Equality, Let's Rise from Shadows"	Department of Computer and E&Tc AISSMS College of Engineering, Pune	15/07/2020
		Online one week FDP on "Emerging Materials ,Properties, Applications and Characterizations"	Malaviya National Institute of Technology, Jaipur (ATAL FDP)	27/08/2020 - 31/08/ 2020
		National Level Webinar on "ISO Awareness- Internal Audit Document Control & management review Meetings"	Production Department, AISSMS College of Engineering, Pune	21/08/2020
		Online ATAL FDP on "Energy Engineering"	National Institute of Technology Silchar	26/09/2020- 30/09/2020
		Online ATAL one week FDP on "EHV HESS Technology	AISSMS College of Engineering, Pune	05/10/2020- 10/10/2020
		Online ATAL one week FDP "Energy Engineering"	National Institute of Technology, Tiruchirappalli	28/12/2020- 01/01/2021
		Online ATAL one week FDP on "Energy Engineering"	G.L.Bajaj Institute of Technology and Management	04/01/2021- 08/01/2021
		Two weeks online AICTE FDP on "Artificial Intelligent Controller for Smart charging of Electric Vehicle and other Applications"	PES Modern college of Engineering, Pune	18/01/2021- 01/02/2021

		Online ATAL FDP on "Energy storage"	KPR Institute of Engineering and Technology	22/02/2021- 26/02/2021
		"Writing Quality Research Paper & Publishing"	Veer Madho Singh Bhandari Uttarakhand Technological University, Deharadun	08/03/2021 - 13/03/2021
		AICTE –ISTE Sponsored Refresher Course One week ISTE-AICTE FDP on "Small Wind Turbine Design Development and Testing Phase-II"	Trinity College of Engineering and Research, Pune	28/04/2021- 04/05/2021
05	S R Lengade	Two week Refresher Course on Power Systems,UGC- HUMAN RESOURCE DEVELOPMENT CENTRE JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD	JNTU Hyderabad & UGC HRDC	1st to 16th March 2021
		One Week Online Faculty Development Program (FDP) on "Design and Development of	Sponsored by AICTE-ISTE INDUCTION/REF	14/05/2021 to 19/05/2021
		Application in Smart Grid	K K Wagh Institute of Engineering and Research, Nashik, Department of Electrical Engineering	10/08/2020 - 14/08/2020
		Automated System using PLC"	RESHER PROGRAM Organized by Department of Electrical Engineering, Kolhapur Institute of Technology's College of Engineering (Autonomous), Kolhapur	

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webinar on "Stress Management"	by Department of E & TC, AISSMS COE	23 May 2021
webinar on "Power and Power Quality Audits in Industries",	organised by AISSMS IOIT	25 May 2021
Webinar on Agri-Startups and Contract Farming Models	National Institute of Agricultural Extension Management (MANAGE) Hyderabad	May 22, 2021
Webinar on Emotional Intelligence	organised by Dept.of Electrical Engg	17 May 21
Quality Sustenance in Higher Education Institutions	Department of Electronics and Telecommunication s Engineering and IQAC cell of AISSMS COE	10th May 2021
Yoga for Prevention from COVID-19	AISMS COE	9th May 2021.
Webinar on "Digitization of Dairy Value Chain Experiences from Dairy Startups"	National Institute of Agricultural Extension Management (MANAGE)	May 01 2021
Expert Lecture On Kyoto Protocol and Energy Conservation by Prof. Vijay Mohale, Ph.D. Research Scholar, IIT, Roorkee	D Y Patil Institute Kolhapur	15/4/2021

webinar Symbol of Knowledge	AISSMS COE NSS	14 April 2021
"Role of IEEE in Engineering Education "	Library of AISSMS COE	15/4/2021
Webinar on Implementation of NEP 2020	AISSMS COE	
seminar on Energy Efficiency in Electrical System & Power Quality	organised by ASSOCHAM INDIA	7th May 2021
Online short Term Training Program on Optimal Operation of Power system incorporating Renewable Energy Sources		27/07/2020 - 01/08/2020
FDP on Electric Vehicles: its perspective and Issues,	conducted by Mechanical Engg dept,AISSMS COE Pune	19th to 21st Aug 2020
One Week online FDP on "Solar Energy Conversion & Storage	organised by Poornima Institute of Engineering & Technology, Jaipur	August 31 - September 04, 2020
STTP on "IoT & Advanced PowerElectronics Applications in Smart Grid"	AICTE Sponsored Organised by KKWagh COE Nashik	14th to 19th Aug 2020 (10/08/2020 - 14/08/2020)

FDP - LMS, Virtual Teaching and OBE Software for Engineering Colleges August 13, 2020	Vmedulife	September 3, 2020
webinar on "Latest Standards and Design aspects of Electrical		13th Aug 2020
Generators for Thermal, Hydro and Wind Power Plants"		
" Chinese Hybrid warfare against India and Nation's response to it	PVPIT Bavdhan	18th Aug 2020
Attended live Conversation on River Vitalisation' by Hon'ble Union Minister of Environment, Forest and Climate Change Shri Prakash Javadekar with thought- leader Sadhguru		
Webinar on National Education Policy 2020 – Higher Education Perspective	NITTTR Bhopal	17th September 2020
Online seminar on "Energy Efficiency in Smart Buildings	Department of Energy and Power Electronics, School of Electrical Engineering, VIT, Vellore	06.09.2020

		FDP on EHV HESS technology	organised by EED,AISSMS COE	5th Oct 2020
		Attended Online Interactive Session of AICTE in collaboration of Art of Living,by Sri Sri Ravi Shankar	AICTE	
6	V. S. Ponkshe	webinar on "Accelerating Digital Transformation in Challenging Times"	Computer Department of AISSMS COE Pune	17/05/2021
		webinar on "Emotional Intelligence"	Electrical Department of AISSMS COE Pune	16/05/2021
		National Webinar on "Quality Sustenance in Higher Educational Institutions"	IQAC AISSMS COE Pune	10/05/2021 (15/04/21 to 22/04/21)
		One week FDP on NAAC Accreditation Process	Modern College, Pune	15 to 22 April 2021
		webinar on "Latest conductors for Transmission Line"	IEEMA	20/03/2021
		webinar on "Induction Motor noise Reduction using JMAG."	JMAG Pvt Ltd	10/03/2021
		3 days Symposium on "Power Electronics Challenges and Solutions for the Integration of Electric Vehicle Charging network"	IIT Varanasi	24 to 26 March 2021

	webinar on "Renewable Energy & its Integration with the Grid"	TATA Power DDL	20/03/2021
	webinar on "Smart Grid in India and its future"	TATA Power DDL	29/01/2021
	AICTE Quality Improvement Scheme (AQIS)sponsored One week online short Term Training Program on Innovative & Inventive Problem Solving	Department of Production Enginering, AISSMS COE, Pune	29/06/2021 - 04/07/2021
	One week virtual Faculty Development Program on Emerging Trends in Electric Vehicles and Infrastructure Development	IEEE Educational Activities Committee, IIt Bombay Section, RIT-CTL & RIT-IEEE student branch in association with Department of Elctrical Engineering, RIT, Rajaramanagar.	12/07/2021 - 17/07/2021
	webinar on "Exploring Microsoft Teams: An Online Teaching Platform"	Dept.of Electrical Engg. AISSMS COE Pune	15/07/2020
	webinar on "Industrial Electrical safety"		20/07/2020
	One week Faculty Development Program on Augmented Reality &Virtual Reality	Department of Elctronics and Telecommunication Engineering in association with Buds engineering Academy, Pune, under IEEE Student branch, Institute of Engineering, India, Kolkata and ISTE, New Delhi	21/06/2021 - 25/06/2021

	Faculty Development Program on Smart Grid and Sustainable Energy Management in virtual Power plants	Sathyabama Institute of Science and Technology, Chennai	26/07/2021 -31/07/2021
	one week STTP on "Optimal operation of Power system"	Sagar institute of Research and Technology, Bhopal	27 July to 01 August 2020
	webinar on "Industry 4.0 from SME perspective"	MIT Aurangabad	02/08/2020
	3 days workshop on "Advanced Solar PV System Designing"	K-Watt Solutions , Mumbai	31 July to 02 August 2020
	AICTE approved One week STTP on "Modelling and Simulation of Renewable Energy Systems with MATLAB"	MNM Engineering College, Chennai	03 August to 08 August 2020
	Webinar attended on "NBA - Criterion IV"	NIT, Bhopal	06 August 2020
	webinar on "Renewable Energy in Indian Universities"	Solar Energy Society of India.	06 September 2020
	4 days Online hands on training on Workshop using "MATLAB & Simulink"	New Horizon COE, Bangalore	01 to 04 September 2020
	AICTE ATAL one week FDP on "EHV Hybrid Electric Storage System technology"	AISSMS COE, Pune Electrical Department	05 to 09 October 2020

7	P Sankala	FDP on "Interactive Impactful Learning Techniques"	KCCEMSR THANE	18th -20th July,2020
		Virtual Labs : hands on workshop for faculty of all engineering Disciplines"	IITB Virtual lab & AISSMS COE Pune	18th july 2020
		AICTE sponsored STTP on Optimal Operation of Power System Incorporating renewable Energy sources	SAGE Sagar Institute of Research and Technology Bhopal	1 week 27 July- 1 August 2020
		webinar on "Virtual Project- Based Learning (PBL) involving Computer- Aided Engineering (CAE) and Data Analytics"		July 29th 2020
		AICTE Sponsored Online STTP on "Modeling and Simulation of Renewable Energy Systems using MATLAB"	Misrimal Navajee Munoth Jain Engineering College, Chennai.	03.08.2020 to 08.08.2020
		NITTR Webinar series on NBA accreditation process "W-8 : Compiling Faculty information and contribution"	NITTTR ,BHopal	13th Aug 2020
		webinar on "Latest Standards and Design aspects of Electrical Generators for Thermal, Hydro and Wind Power Plants"		13th Aug 2020
		TEQIP-III Sponsored Five days online Workshop on "Advancements in Electrical Engineering: An Academic & Industrial Approach"	NIT Silchar	3rd to 8th Aug 2020
		AICTE Sponsored Phase-I online STTP on "IoT & Advanced Power Electronics Applications in Smart Grid"	KKWagh COE Nashik	14th to 19th Aug 2020

FDP on Electric Vehicles: its perspective and Issues	Mechanical Engg dept,AISSMS COE	19th to 21st Aug 2020.
One Week online FDP on "Solar Energy Conversion & Storage"	Poornima Institute of Engineering & Technology, Jaipur	August 31 - September 04, 2020
webinar on Virtual Teaching, LMS and OBE Software for Engineering Colleges	Vmedulife	September 3, 2020
Online seminar on "Energy Efficiency in Smart Buildings"	Department of Energy and Power Electronics, School of Electrical Engineering, VIT, Vellore	06.09.2020
IET India Digital Conversations episode – Accelerating Innovation in	IET India	11 Sep 2020
Energy Storage and EV Ecosystem		
STTP on "Applications of MATLAB in Mathematics, Science and Engineering"	St.Vincent Pallotti College of Engineering & Technology, Nagpur in association with The Institution of Engineers (India), Nagpur Local Center, Nagpur	15th -17th September 2020
AICTE ATAL Online FDP on "Renewable Energy Integration and Energy Storage	AICTE ATAL	21st Sep to 25th Sep 2020

Webinar on Outcome based Education and accreditation	COEP in association with NBA and DTE	18/11/2020
webinar on " Chinese Hybrid warfare against India and Nation's response to it"	PVPIT, Bavdhan	18th Aug 2020
Two week Refresher course on Power Systems	HRDC JNTU Hyderabad	1st to 16th March 2021
Webinar on HELP Health Education and Lifestyle Program"	DEE,AISSMS COE Pune	27th Jan 2021
Webinar on Role of Machine learning in simulation of EMI	IEEE Blended Learning	5th Feb 2021
Webinar On Machine Learning for EMI EMC Simulation	IEEE EMC Society,SIMYOG Technology	8th Feb 2021
webinar on Choice Of Engg Ed Among Girls In India/ Engaging Students Actively For Effective Teaching- Learning	ICTIEE	9 Feb 2021
Talk on "From your Ph.D/ Masters Thesis to a start-up"	Dr. Anand Deshpande, Founder and CMD, Persistent Systems organised by MRRD Innovation Cell, AICTE.	19 Apr 2021
webinar on Mobile application software	NASSCOM	28th April 2021

		Why IP is important for Academician	MHRD AICTE	26th April 2021
		One week Refresher course on Small wind turbines	AICTE & ISTE	28th Apr to 4 May 2021.
		Talk on Empathetic and techno-pedagogical approaches for the new- normal	Faculty Development Cell (AICTE)	4th-May-2021
		web seminar on How to Identify, Protect and Commercialize your innovations & amp; work	IEEE	6th May 2021
		web seminar on Energy Efficiency in Electrical System & Power Quality	ASSOCHAM INDIA	7th May 2021
		One week induction program on Role of ICT in teaching learning process	Sanjivani IT College Kopargaon, sponsored by AICTE and ISTE	One week 19th May to 25th May 2021.
		TE syllabus revision workshop of TE Electrical	SPPU	One Day 2 June 2021
08	V N Tarange	"Online Teaching" by IUCEE and passed with Distinction.	IUCEE	July to September 2021
		STTP Optimal Operation of Power System incorporating Renewable Energy Sources	Sagar Institute of Research and Technology ,Bhopal MP	27 <sup>th</sup> July to 1 <sup>st</sup> August 2020.

One week induction program on Role of ICT in teaching learning process	Sanjivani IT College Kopargaon, sponsored by AICTE and ISTE	One week 19th May to 25th May 2021.
TEQIP III Sponsored 5 days on Advancements in Engineering : An Academic & Industrial Approach conducted	NIT Silchar.	3 to 7 August 2020
AICTE Training And Learning (ATAL) Academy Online FDP on "Electric Vehicles"	5	2020-10-5 to 2020-10-9
AICTE-ISTE Sponsored One Week Induction / Refresher programme on "Role of ICT in Teaching Learning Process"		from 19 th May 2021 to 25 th May 2021.
Orientation /Refresher program on Small Wind turbines by AICTE and 1 week.	Trinity College Pune	28/04/2021 to 4/5/2021
	Electrical Engineering Department , GWCET, Nagpur	29/06/2020 - 03/07/2020
Participated in Online Refresher Course on "Power Systems" held and successfully completed with A Grade		from 01/03/2021 to 16/03/2021

			HYDERABAD	
		Energy System using MATLAB	Department of Electrical and Electronics Engineering, Misrimal Navajee Munorth JainEngineering College	03/08/2020 - 08/08/2020
		Application in Smart Grid	K K Wagh Institute of Engineering and Research, Nashik, Department of Electrical Engineering	10/08/2020 - 14/08/2020
9	C D Kulkarni	SE Syllabus Revision workshop	PES Modern COE Pune	28 march 2021
		TE Syllabus Revision workshop	AISSMS COE Pune	2 June 2021
		Webinar on "Empathetic and techno-pedagogical approaches for the new- normal" By Dr Pratima Khandelwal	AICTE	4 May 2021
		8 week online FDP on "Big Data Analytics of Smart Grid "		31 dec 20 to 31 st march 21
		Introduction To data science in Python	University of Michigan, Coursera	26-06-2020
		Exploratory Data Analysis	Coursera Project Network	27-08-2020

		Exploratory Data Analysis With Python and Pandas	Coursera Project Network	27-08-2020
		Excel Skills for Business: Essentials	Coursera Project Network	07-09-2020
		AI For Everyone	Coursera Project Network	09-09-2020
		Faculty Orientation Program for SE Electrical Engineering 2019 PAT Sem -II	PES Modern COE Pune , Department of Electrical engineering	27/03/2021
10	R.S.Shinde	Workshop on" Virtual Labs : hands on workshop for faculty of all engineering Disciplines"	AISSMS COE	18th july 2020
		webinar on "Relay coordination in power system"	19 th July 2020.	RIT Islampur
		"Modelling and Simulation of Renewable Energy Systems with MATLAB.	7th august 2020	AICTE
		Modeling & Simulation of Renewable Energy System using MATLAB	03/08/2020 - 08/08/2020	Misrimal Navajee Munoth Jain Engineering College TamilNadu
		Webinar on' Launch of version 2' students induction program (SIP)	29 oct 2020	AICTE.

	ATAL FDP on Recent trends in Electric Vehicles	30/11/2020 - 04/12/2020	IFET College of Engineering
	one week AICTE Sponsored STTP on "Power Electronic Applications for Smart Grid, Electric Vehicles and Renewable Energy"	21th to27th Nov 2020	JSS ACADEMY OF TECHNICAL EDUCATION , NOIDA.
	Webinar on "Awareness Webinar on Outcome Based Education and Accreditation" by	30th nov 2020	NBA, New Delhi and Organized by College of Engineering Pune
	AICTE Sponsored Two Weeks Online FDP on "Electric Vehicle Application, Control and Smart Charging using Artificial Intelligence" Series I: Electric Vehicle Design, its Applications and Control Strategies.	29th to 11th dec 2020	AICTE
	ATAL Online FDP on "Graphic Design"	2020-12-7 to 2020- 12-11	NATIONAL INSTITUTE OF TECHNICAL TEACHERS TRAINING AND RESEARCH, CHANDIGA RH.
	webinar on "Python Application In Electrical Engineering",	23rd Feb 2021.	JSPM's JSCOE
	webinar on "Role of IEEE in Engineering Education "	15/4/2021	Library of AISSMS COE
	Webinar on : Mobile Application Software organized by NASSCOM	28th april 2021	NASSCOM

Attended session organized by MIC is (under MIC driven activity); Why IP is important in academia?	26 th april 2021	MIC is (under MIC driven activity ) by Dr. Abhay Jere, CIO MoE's Innovation Cell and Dr. Mohit Gambhir, Innovation Director
Webinar Knimbus Remote access Training	28 th april 2021.	AISSMS COE Library
one week Refresher course on Small wind turbines	28th Apr to 4 May 2021.	AICTE & ISTE
Talk on Empathetic and techno-pedagogical approaches for the new- normal	4th-May-2021	Faculty Development Cell (AICTE)
webinar on Emotional Intelligence	17 May 21	Dept.of Electrical Engg. AISSMS COE
Energy Simulation for Green Building	21/05/2021	Dr. D.Y.Patil Institute of Technology, Pimpri, Pune
Syllabus revision workshop of TE Electrical Engg.	02th June 2021	Dept.of Electrical Engg. AISSMS COE
AICTE Quality Improvement Scheme (AQIS)sponsored One week online short Term Training Program on Innovative & Inventive Problem Solving	29/06/2021 - 04/07/2021	Dept.of Production Engg. AISSMS COE

		One Week Online National level; Faculty Development Program on Multi- Technology	28/06/2021 - 03/07/2021	Dept. of Electronics and communication and Dept. of Bio Medical Engineering, Aarupadai Veedu Institute of Technology
		Online FaDP on New And Emerging Technology in Association with AICTE	28/06/2021 - 02/07/2021	ARK Infosolutions Pvt. Ltd.
		One Week Faculty Development Program on Augmented Reality &virtual Reality	21/06/2021 - 25/06/2021	Dept. of Electronics and Telecommunication, AISSMS COE, Pune
11	Sreerekha Vadi	FDP on Electric Vehicles: its perspective and Issues	Mechanical Engg dept,AISSMS COE	19-21 Aug 2020
		Webinar on "Chinese Hybrid warfare against India and Nation's response to it"	PVPIT, Bavdhan	18 Aug 2020
		One week STTP on "Electric Vehicles: Challenges and opportunities"	AICTE ATAL by Sagar Institute of Research and Technology, Bhopal	24-29 Aug 2020
		3 days FDP on "MATLAB and it's Applications"	Rajastan Technical University, Kota sponsored by TEQIP-III RTU	1-3 Sep 2020
		3 days WORKSHOP on "NBA Accreditation Process"	BITS Pilani sponsored by TEQIP III RTU.	29-31 Aug 2020

STTP on "IoT & Advanced Power Electronics Applications in Smart Grid"	AICTE sponsored by KK Wagh Institute of Engineering and Research, Nashik	31 Aug and 2- 5 Sept 2020
webinar on "Hybrid Electric Vehicles"	Joginpally B.R. COE,Hyderabad	1 Sept 2020
3 Days "FDP on Recent Trends in Renewable Energy"	RTU, TEQIP-II sponsored FDP, by SBCET	10-12 Sept 2020
Webinar on "NASSCOM Session: Digitization of Education System"	NASSCOM	11 Sep 2020
Webinar on " RENEWABLE ENERGY IN INDIAN UNIVERSITIES Solar Energy: An Agent of Change Series 2 "	SOLAR ENERGY SOCIETY OF INDIA	6 Sep 2020
International webinar on "Introduction TRIZ with application in sustainability development"	Dept of Production Engg, AISSMS COE	12 Sep 2020
One week FDP on "IoT and Advanced Power Electronics Applications in smart grid - Phase II"	K K Wagh	
One week FDP on "Solar Energy Conversion and storage"	Rajasthan Technical University, Kota and Poornima Institute of Engg Technology, Jaipur	

Webinar on "Job and Business Opportunities in Solar Energy"	SIRT	16 Sep 2020
One week FDP on "IoT and Advanced Power Electronics Applications in smart grid Phase - III"	AICTE sponsored and conducted by K K Wagh IEER	14-18 Sept 2020
Coordinated and attended one week FDP on EHV HESS technology	AICTE ATAL sponsored and conducted by EED, AISSMS COE	5-9 Oct 2020
Environmental Sustainability & Green Energy	GWCET, Nagpur, Department of Electrical Engineering	29/06/2020 - 03/07/2020
Electrical system Modelling & solar Policies	Department of Electrical Engineering, ATS's Bhokare group of Institutes, Miraj	18/07/2020 - 21/07/2020
AICTE Training & Learning (ATAL) Academy Online FDP on Electric Vehicles	AICTE ATAL sponsored and conducted by AISSMS COE	05/10/2020-09/10/2020
One week Online Short- Term Training Program on "EMERGING TRENDS IN MICRO/NANO SENSOR	Sri Manakula Vinayagar Engineering College,	26 Oct 2020
AND ACTUATORS FOR INDUSTRIAL APPLICATION"	Puducherry sponsored by AICTE	
International Webinar on PROFESSIONALISM IN TECHNICAL EDUCATION	Ambabai Talim Sanstha's SANJAY BHOKARE GROUP OF INSTITUTES, MIRAJ	7 Nov 2020

Webinar on Cyber Security and Phasor measurement Unit for renewable energy applications	RESI	7 Nov 2020
One week FDP on "Renewable Energy Sources: Challenges, Opportunities and Applications"	AICTE ATAL and National Institute of Technology, Agartala (Tripura)	23-27 November 2020
STTP on "An holistic approach to Develop emotional and Social Abilities of Girls Student"	PCCoE Pune in association with LILA Poonawalla Foundation	23-28 Nov 2020
AICTE Training & Learning (ATAL) Academy Online FDP on Electrical &	National Institute of Technology, Raipur	04/01/2021 - 08/01/2021
Webinar on "HELP Health Education and Lifestyle Program"	Electrical Engg Dept,AISSMS COE	27/1/2021
AICTE Training & Learning (ATAL) Academy Online FDP on Green Technology & Sustainability Engineering	Gautam Buddha University	19/01/2021-23/01/2021
Webinar on "Python Application In Electrical Engineering"	JSPM's JSCOE	23/02/2021
SE Term II faculty orientation workshop for the subject NMCP	PES's Modern COE in association with SPPU	27/03/2021
Webinar on "National Education Policy 2020"	Production Department, AISSMS COE	31/03/2021

Webinar on Power Quality solutions	L & T	14/04/2021
Webinar on "Magic of Motivational Leadership"	Faculty Development Cell of AICTE	28/04/2021
Webinar on : Engineering Pedagogy underway to 'Education 4.0'	IFEES GEDC IUCEE Global Webinar: Engineering	28/04/2021
Webinar on Mobile Application Software	NASSCOM	28/04/2021
Live session on "Effective time management - 'Time isn't the main thing, it's the only thing'"	NPTEL, IIT Madras	05/05/2021
Webinar on "Achieving Academic Excellence – A Case Study of NIRF"	IEEE Education Society Chapter, Vizag Bay Section	05/05/021
Webinar on "Energy Efficiency in Electrical Systems"	ASSOCHAM, India	07/05/2021
5 days FDP on "Organizational Behaviour"	AICTE ATAL FDP by Department of Management, Central University of Rajasthan	17-21 May 2021
AICTE Training & Learning (ATAL) Academy Online elementary FDP on Academic Leadership in Higher Education	Central University of Rajasthan	17/05/201 - 21/05/2021

		AICTE Internship and Placement Program	AICTE	25/05/2021
		Webinar on "Stress Management"	Department of E & TC, AISSMS COE	23/05/2021
		Webinar on "Power and Power Quality Audits in Industries"	AISSMS IOIT	25/05/2021
		Webinar on "Employability Skills For Industry 4.0 "	Mechanical Dept, AISSMS COE	31/05/2021
		AICTE Training and Learning (ATAL) Academy Online Elementary FDP on Role of materials in electric vehicles	PDA College of Engineering	07/06/2021-11/06/2021
		AICTE Training and Learning (ATAL) Academy Online Elementary FDP on Microgrid An Opportunity: Vehicles & Renewable Energy Recourses	Dayalbagh Education Institute, Agra	05/07/2021 - 09/07/2021
		AICTE Training and Learning (ATAL) Academy Online Elementary FDP on recent trends in power System operation & control	Government Collge of Engineering	12/07/2021 -16/07/2021
12	S S Mujawar	Basics of Vector Control on in AC Machines	Sanjay Ghodawat university	16 June 2020
		Syllabi Implementation of EEE-2019 Course	Sinhgad Institute of Technology	

Virtual Lab Use for Electrical Machines & PLC	SVERI's College of Engineering.	15 & 16 June 2020
Refresher Course on Arduino and its Applications	SIT & Wikinote	17-21 July 2020
Electrical System Modelling and solar policies	Sanjay Bokare Group of Institute, Miraj	18-21 July.
Excel Course	Cousera	
Environmental Sustainability & Green Energy	Department of Electrical Engineering, GWCET, Nagpur	29/06/2020 - 03/06/2020
Modeling & Simulation of Renewable Energy System using MATLAB	Misrimal Navajee Munoth Jain Engineering College TamilNadu	03/08/2020 - 08/08/2020
Electric Vehicles: its perspective and Issues	Mechanical Engineering Department AISSMS COE	19th to 21st Aug 2020
IoT & Advanced Power Electronics Applications in Smart Grid	K.K.Wagh Institute of Engineering and Research, Nashik	31 Aug and 2- 5th Sept 2020
FDP on Recent Trends in Renewable Energy	RTU, TEQIP-III SBCET	10-12 Sept 20

	Solar Energy Conversion and storage	Rajasthan Technical University , Kota and Poornima Institute of Engineering Technology, Jaipur	
	STTP on "EMERGING TRENDS IN MICRO/NANO SENSOR AND ACTUATORS FOR INDUSTRIAL APPLICATION"	Sri Manakula Vinayagar Engineering College, Puducherry	26th October 2020
	FDP on "Renewable Energy Sources: Challenges, Opportunities and Applications"	National Institute of Technology, Agartala (Tripura)	23-27 November 2020
	STTP on "Emerging Trends in Micro/Nano Sensor and Actuators for Industrial Applications"	SMVEC, Puducherry	8-13 February 2021
I	AICTE sponsored short term Training Program on Control System Design- Classical and Modern with Hand -on	COEP, Pune	22/03/2021 - 27/03/2021
	"Role of IEEE in Engineering Education "	AISSMS COE, Pune	15th April 2021.
	Engineering Pedagogy underway to 'Education 4.0	IFEES GEDC IUCEE Global Webinar: Engineering	28 April 2021
	STTP on "Digital Control systems"	COEP	
	"Effective time management - 'Time isn't the main thing, it's the only thing'	NPTEL, IIT Madras	5th May

Quality Sustenance in Higher Educational Institutions	AISSMS COE	10th may 2021
Hands on Workshop on Online Teaching Learning tools for implementation Of Effective Student Engagement Strategies	U I	May 27,2021
AICTE Training and Learning (ATAL) Academy Online Elementary FDP on Electrical Vehicle Technology Challeges and Business opportunity	NSIC	21/06/2021 - 25/06/2021
One Week National Level FDP on System Design Suite and zynq- 7000 Soc	MIT, Academy of engineering, Alandi, Pune	16/06/2021 - 20/06/2021
Online FDP on Research Funding Projects & IPR	EES's K.C college of Engineering and Management Studies and Research, Thane	07/06/2021 - 09/06/2021

S N	Name of faculty coordinator	Торіс	Name and contact details of guest	Date
1	Dr A A Godbole	Applications of Control in Defence	Mr Jayawant Kolhe Sc' D' R and D Engineers, Dighi	5/12/2020
1	Dr A A Godbole	Importance of healthy lifestyle	Dr Lunkad	23/10/2020
		Panel Discussion: 'How to make a successful career in the corporate sector'	Mrs Charuta Muley,GM Thyssenkrupp India Ltd Mrs Swati Mehendale Head Regulatory, Tata Power Mrs Mayanka Goyal, GE Renewables	6/3/2021
		Unfolding the journey of a successful startup	Mr KArtik Wahi and Gaurav Kumar Claro Industry	24/6/2021
2	Dr.A.A.Apte	Electrical Systems in Automobiles	Mr.Ajay Pradhan TATA Motors	18 August 2020
3	L S Godse	Power Quality issues in Power system network	Shri H.D Dongargaonkar Executive Engineer, MSETCL	03/10/2020
4	P.Sankala	"Power Electronics: Applications and Research"	Dr. KalaiSelvi Jayaraman, IITRopar	4 <sup>th</sup> August 2020
5	C D Kulkarni	Applications of PLC in Automation Industry	Mr Milind Pundalik VMS Control	18/09/2020
6	S S Mujawar	Electrical Vehicle Drives- Induction Motor	Mr Naresh Dhopare Regal Beloit	16 November 2020
7	S S Mujawar	Selection of motors and Batteries used in EV's	Mr Hrishikesh Mehta Aethertech Innovative solutions	4 December 2020

#### EXTENSION LECTURES (LECTURES DELIVERED BY VISITING GUESTS)

Development Life cycle Projec	er,TATA
Mana	blogies ,Pune

# FACULTY SERVED AS RESOURCE PERSON, EXPERT OR CHAIRPERSON

S N	Name of Faculty	Title of Activity	Organizing body	Date
01	Dr A A Godbole	National level FDP "Control System Design- Classical and Modern with Hands-on"	AICTE	March 22-27, 2021
02	Dr. Mrs. Mangal Dhend	<ol> <li>National One week FDP on "Introduction To Outcome Based Education And Enhancing Quality Of Teaching Learning,"</li> <li>Session 1:Mapping of PEO-Vision, CO-PO-PSO: Strategies, tools and techniques for strengthening</li> <li>Session 2:Programme Curriculum and Teaching Learning</li> <li>SPP university teacher's refresher course/Faculty Orientation Program</li> <li>Antional 2 days workshop on 'Empower for Outcome Based Teaching Tools, Techniques</li> </ol>	Gowindarrao Wanjari college of Engineering & technology, Nagpur SPPU Board of Studies Electrical Engineering and The Department of Electrical Engineering, Sinhgad Institute of Technology, Lonavala	17/6/2020

<ul> <li>Session 1: Planning for outcome based teaching learning activities</li> <li>5) Session 2: Inventory of a second second</li></ul>		29 June 2020
tools and techniques for enhancing learning outcome	Poornima institute of Technology, Jaipur	
6) Session3:		
Implementing portfolio assessment tool to enhance learning outcome		30 June 2020
7) Session 4:		
Designing Outcome based instruction delivery		
8) <b>3 Days FDP</b> on "CO- PO_PSO Mapping and Teaching Learning Process"		
Session 1:NBA Criterion 1-Vision, Mission, PEO, PSO, PO, CO Mapping	Jaihind College of	1 July 2020
9) Session 2:NBA Criterion 2 & 3- CO-PO Mapping, Bridging Curriculum Gap & Content Beyond Syllabus	engg. & Technology	2 July 2020
<ul><li>10) Session 3:NBA</li><li>Criterion 2 &amp; 5: Pedagogy</li><li>&amp; Outcome Based</li><li>Teaching and Learning</li><li>Activities</li></ul>		3 July 2020
<ul><li>11) National 6 week Online Teaching course</li><li>Module 3 Session 3</li></ul>		14 August 2020

		Pre Recording an effective session using screen-cast-o- Matic 12) Module 6 :Session 3 Virtual Labs: Online Teaching Course Session on Virtual labs 13) FDP on Skill Development for technical teachers session on Learning by Doing 14) AICTE-ISTE Induction-Refresher Prograame on "Improving excellence in Teaching"	IUCEE Pimpri-Chinchwad Polytechnic Anatrrao Pawar college	September 4, 2020 23 March 2021 17 March 2021
03	Dr.A.A.Apte	National level FDP "Control System Design- Classical and Modern with Hands-on"	AICTE	March 22-27, 2021
		Worked as Technical Chair at IEEE International Conference ICICT 2021	Sardar Patel Institute of Technology Mumbai	April 2021
4	S R Lengade	SPPU, Faculty Orientation Program on EMI course for SE Electrical 2019 SPPU	SPPU Board of Studies, Electrical Engineering and The Department of Electrical Engineering, Sinhgad Institute of Technology, Lonavala	25/06/2020
5	S Vadi	Presentation delivered as a resource person in "Virtual Lab Hands on Outreach workshop" conducted for Parikrama COE, Kashti	AISSMS COE as a Nodal Centre of Virtual lab	18/08/20(2.00 -5.00 pm)

6	S S Mujawar	Expert on "Virtual Lab for DC Motor and Induction Motor"	Indira college of Engineering and Management	24th November 2020.

# EXTENSION ACTIVITIES CONDUCTED BY THE DEPARTMENT

S N	Name of Faculty Coordinator	Details of activity conducted	Date
1	Dr AA Godbole	Dr Lunkad's lecture on Importance of healthy lifestyle	23/10/2020
2	Dr.A.A.Apte Ms.S.R.Lengade Mrs P Sankala	One Day Workshop on Project Management and Finances by Mr.Manoj Badve Senior Engineer TATA Motors, and Mr. Prakash Mali Senior Manger ,John Deere TCI Pune29 Augu 2020	
3	Dr. M H Dhend V N Tarange	A 3 days workshop co-ordinated & organized for Students of Electrical Engineering Department, " Skills for Employability" lecture was delivered by Mrs. Shraddha Kale, DGM Corporate Strategy, GERA Pune and 5rd & 6th August 2020 for delivering two sessions on "Role of Community Service" and "Patent Filing" by the speaker Prof. Dr. Ishrat. M. M, Professor, Mechanical Engg. Dept., Convener, R & D Cell, MJCET and Patents Committee, MJCET, Hyderabad, Telangana.	on 4th August 2020
4	Dr AA Godbole S R Lengade P.Sankala	Panel discussion on 'Role of women engineers in the corporate sector' Mrs Charuta Muley (MD Thyssenkrupp) Mrs Swati Mehendale (Head Regulatory, Tata Power) Ms Mayanka Goyal (Engineering Manager GE Renewables)	6/3/2021
5	Dr.A.A.Apte	Coffee and Conversation with Alumni Ms.Sujata Chandra Chairman and MD Vigyanvidya Pvt.Ltd Bhosari Pune	4-03-2021
		Expert Lecture on Current Lifestyle and How it is impacting on the life Mr.Amol Vaidya Alumni and fitness Expert	27-01-2021

6	P.Sankala & V N Tarange	Tree Plantation Drive for Faculty and students	04/03/2021
7	P.Sankala & V N Tarange	Startup with our own entrepreneurs	25/02/2021
8	S R Lengade & P Sankala	Traditional day celebrations(Online)	23/02/2021
9	V N Tarange and S R Lengade	International Women's Day Celebration & Importance of Gender Equality	8/3/2021

# MOU SIGNED WITH ACADEMIC AND PROFESSIONAL ORGANISATIONS

Sr. No.	Faculty Coordinator	Name of Organisation	Date of MoU Signed	Valid upto 00/00/0000
01	Dr. Mrs. M. H. Dhend	IUCEE	July 2020	July 2021

### STUDENTS' CHAPTERS /CLUBS

S.	Name of Students' Chapter         Number of Students	
No		Members
1.	IE Chapter	12
2.	Energy audit club	40
3.	ISTE	50

EVENTS ORGANISED (By Students' Chapters / Clubs and others) Name of Students' Chapter: Institution of Engineers(India) Faculty Advisor: Mrs P Sankala

SN	Event name and details of event	Details of faculty and students involvement, Name of chief guest, judges etc.	Duration and Dates
1	Expert Lecture on "Self- Awareness"	Ms. Neetu Gupta ,MSW,University of Delhi	24 <sup>th</sup> July 2020

2	Expert Lecture on "Overview of placement"	Mr. Ketan Mhaske and Mr. Shrikant Nagargoje ,Alumni ,DEE,AISSMS COE Pune	30 <sup>th</sup> July 2020.	
3	Expert Lecture on"Power Electronics: Applications and Research"	Dr. KalaiSelvi Jayaraman, IITRopar	4 <sup>th</sup> August 2020	
4	Expert Lecture on Electrical Systems in Automobiles	Mr.Ajay Pradhan TATA Motors	18 August 2020	
5	An Expert lecture on "Importance of Healthy Lifestyle" and was delivered by on	Dr. Vaibhav Lunkad	23 <sup>rd</sup> October 2020.	
6	One Day Workshop on Project Management and Finances	Mr.Manoj Badve Senior Engineer TATA Motors, and Mr. Prakash Mali Senior Manger ,John Deere TCI ,Pune	29 August 2020	
7	An Expert Lecture on "Analog and Digital Electronics"	Mrs. Sonali Nalamwar , Assistant Professor, Department of Computer Science, AISSMS College of Engineering ,Pune	3rd December 2020.	
8	An Expert Lecture on "Selection of motors and Batteries used in EV's"		4 <sup>th</sup> December 2020	
9	An Expert Lecture on "Insights of Electric Vehicle Technology"	Mr. Sagar Pawar,Force motors	5 <sup>th</sup> December 2020	
10	Expert Lecture conducted for TE students on selection of	Dr A A Apte & S R Lengade	11/8/2020	

	Seminar Topics and Report Writing on		
11	An Expert Lecture on "Control Systems"	Dr. Jaywant Kolhe	5 <sup>th</sup> December, 2020.
12	Tree Plantation Drive for Faculty and students	P.Sankala & V N Tarange	04/03/2021
13	Startup with our own entrepreneurs	P.Sankala & V N Tarange	25/02/2021
14	Traditional day celebrations(Online)	S R Lengade & P Sankala	23/02/2021
15	V N Tarange and S R Lengade	International Women's Day Celebration & Importance of Gender Equality	8/3/2021

### PAPERS PUBLISHED IN PROCEEDINGS OF CONFERENCES

S N	Authors	Title of paper	Details of Conference (Name of conference, dates and duration, Organising body details, ISBN)
		Nil	

### PAPERS PUBLISHED IN REFEREED JOURNALS

S N	Authors	Paper Details (Paper title, Publication year, Volume no., issue no., Page no.s, Doi, ISSN)
1	Vishal Gaikwad, Dr AA Godbole	"Wireless Power Charging - A new trend for Electric Vehicle Charging"

2	L.S Godse Dr P.B Karandikar	" Process Based Modeling Nylon Separator Supercapacitor" WILEY-ENERGY STORAGE, Vol.2, Issue-5, September 2020
3	L.S Godse Dr P.B Karandikar	"Process Based Statistical Modeling for Ball Mill Machine to Improve Performance of Nylon Ultracapacitor" Journal of Institution of Engineers: Series-B, April 2021
	L.S Godse Dr P.B Karandikar	"Process Based Statistical Modeling for Ball Mill Machine to Improve Performance of Nylon Ultracapacitor" Journal of Institution of Engineers: Series-B, April 2021.

# BOOK/ ARTICLE PUBLICATIONS

S N	Author	Title of the Book	Published by	ISBN /ISSN	Year
		Nil			

# PATENTS, COPYRIGHT, TRADEMARK AND OTHER (IPR)

Sr No.	Name of Faculty	Name of the Patent	Patent Number and Date	Type (National/ International/Com mercialized)

# **RESEARCH CITATIONS (Source of Data: Google scholar)**

S N	Name of faculty	Citations	Name of faculty	Citations
1	Dr AA Godbole	330	S.K.Biradar	15
2	M.H.Dhend	168		
3	A.A.Apte	104		

Total citations: 617

# NUMBER OF STUDENTS PLACED

Sr No	Name of Organization visited	Number of students	Number of students
		Participated	Placed

1	Neilsoft	03
2	Infosys	01
3	TCS	01
4	Cap Gemini	01
5	Square Yards	01
6	Accenture	01
7	Amazon	01
8	Wipro	01
9	eClerx Services Limited	02
10	Qualitykiosk Technologies Pvt. Ltd.	01
11	PINCLICK	04
12	Thermax	01
13	GE Aviation India (4.0 LPA)	01

Lower Package Offered: 4 LPA Higher package Offered: 1.8 LPA Average Package Offered: 2.9 LPA

# NUMBER OF STUDENTS QUALIFIED IN THE EXAMINATION

GATE	GRE	UPSC	MPSC	Any other reputed examination for Higher studies (TOFEL, etc.)
07				

#### **ME AWARDED**

Sr No	Name of	Title of Thesis	Name of
	Supervisor		Candidate
1	Dr AA Godbole	"Wireless Power Charging - A new trend	Mr Vishal
		for Electric Vehicle	Gaikwad
		Charging".	
2	Mr S K Biradar	LLC based battery charger for Electric	Amithkumar
		Vehicle	Singh
3	Dr A A Apte	A PFC based EV battery charger using a	Syed Faiz
		bridge less isolated sepic converter	
4	Mr V. S. Ponkshe	Analysis and comparison of sepic, zeta	Ajit Bhise
		and landsman converters for PV fed	
		induction motor drive	

#### PhD GUIDE DETAILS

S N	Name of Faculty who are PhD Supervise	r Number of Scholars Registered
1	Dr AA Godbole	01

#### PhD AWARDED

Sr No	Name of Supervisor	Title of Thesis	Name of Candidate
		Nil	

#### INDUSTRIAL VISITS ORGANISED

Sr. No.	Faculty Coordinator	Class and (Number of students attended)	Industry Name and Address	Date of visit
			Nil	

#### EXPERT LECTURES DELIVERED BY INDUSTRY EXPERTS

Sr. No.	Faculty Coordinator	Class (Number of students attended)	Name, Industry, designation and contact details of Expert	Торіс	Date
1	Dr AA Godbole	BE Electrical	Mr Jayawant Kolhe, Sc 'D'R&DEngineers, Dighi, DRDO	Application s of Control in Defense	5/12/2020
2	C D Kulkarni	BE Electrical(70 students)	Mr Milind Pundalik VMS Control	Applications of PLC in automation Industry	18/09/202 0

# INDUSTRY –SPONSORED PROJECTS (UG/PG)

Sr.	Name of Project	Year	Title of Industry	Name of Sponsoring
No.	guide		Sponsored Project	Industry
			Nil	

### MOU SIGNED WITH INDUSTRY

Sr. No.	Faculty Coordinator	Name of Industry	Date of MoU Signed	Valid upto (00/00/0000)
	Nil			

### FACULTY MEMBERS UNDERGONE INDUSTRIAL TRAINING

Sr. No.	Name of Faculty	Name of Industry	Dates and Duration	
	Nil			

#### STUDENTS UNDERGONE IN-PLANT TRAINING AND (OR) INTERNSHIP

#### PROGRAMME

Sr. No.	Name of the Student	Name of the Industry	Class	Tra	aining du	ration
				Start date	Last date	Duration (days)
01	Shreyas Patil, Aditya Bhise, Yadnyesh Borse and Satyam Mundhe	RCSS ENERZIES, RCSS GROUP	TE Electri cal	24 August 2020	23 Septem ber 2020	one-month
02	Hussain Bharmal	3D Game artist at CBS Games	SE Electri cal	20 Feb 2020	20 Nov 2020.	nine months
03	Ninad Gawande, Komal Patil, Ankita Wakchaure and Sanket Darekar	RCSS ENERZIES, RCSS GROUP	BE Electri cal	29 June 2020	28 July 2020	one-month

# WORKSHOPS/SEMINARS/CONFERENCES/COURSES CONDUCTED WITH INDUSTRY SUPPORT/COLLABORATION (FOR STUDENTS)

Sr.	Faculty	Title of the	Name of Industry	Type of Support/
No.	Coordinators	Programme		Name &

				Designation of Expert
01	Dr. Mrs. Mangal Dhend & V N Tarange	3 days programme on "Discover the potential within you with research, employability and community service" for students	Corporate Strategy at Gera Developments Pvt. Ltd.	Online 1) Mrs. Shardha Kale, Deputy General Manager- 2) Prof. Dr. Ishrat Meera Mirzana, Professor Convener, R & D Cell, MJCET & Patents Committee

# TRAINING TO INDUSTRY PERSONNEL/ ACTIVITY SUPPORTING TO

### INDUSTRY

Sr.	Faculty	Technical Area in which Training Provided /	Industry Name	
No.	coordinator	Type of Support		
	Nil			

# TESTING AND CONSULTANCY

Sr. No.	Faculty Coordinator	Type of Testing & Consultancy Conducted	Total Revenue Generated (Rs.)		
	Nil				

# ANY OTHER ACTIVITIES TO PROMOTE INTERACTION WITH INDUSTRY

Sr. No.	Faculty coordinator	Name of Activity	Remark
		Nil	

# SUPPORT FROM ALUMNI

Sr	Name of	Position and	Batch	Details of Support	Date
No	Alumni	Organisatio	(e.g. 2014 – 2018)		
		n			
1	Mr Shounak	Supervisor,	2005	Organized Coffee and	5th Sept
	Abhyankar	Model		Conversation with	2020
		Administratio		Alumni	
		n & Support			
		ISO New			
		England,			
		Hartfort,			
		Connecticut,			
		United States			
2	Amol	Entrepreneur	2002	Webinar HELP – Health	28/1/2021
	Vaidya	& Expert in		Education and Lifestyle	
		Weight		Program	
		Management			
		Solutions			
3	Sujata	Entrepreneur	2003	Coffee & Conversation with	4th
	Chandra	Chairman		Alumni	March,
		cum			2021.
		Managing			
		Director,			
		Vigyanvidya			
		Pvt. Ltd			

### STUDENTS' ACHIEVMENT (Individual Level)

S N	Name of Student	Details of Achievement (State/University/ National/International
		Level)
1	Lokhande Sakshi	IUCEE Soft skill course
	Ganesh	

2	Aniket Ramchandra	IUCEE Soft skill course	
	kinkar		
3	Ruchika	I have completed digital marketing course of google and	
	Sharadkumar	communication skills course by Wordsmaya	
	Meshram		
4	Supriya Sayas	Certificate of energy literasy (energy swaraj	
	Darade	foundation)associated with AISSMS COE	
5	ADITYA RAMESH BHOPLE	https://drive.google.com/open?id=1_vAdiHH_Gdi0mBLj50R NzDFaPPnL8Umr	
6	Vineet Ashok	Transformers, Instrument and control systems, Induction	
	Gadhave	motor	
7	Gayatri Anandrao	Intro to entrepreneurship, Iucee National level online quiz,	
	Lokare	Electrical Safety	
		National level quiz, Iot	
		Power system generation, Tata Steel	
		Matlab Onramp, mathworks	
8	Mundhe Satyam Shivdas	It was the online internship of power electronics for 1 month	
9	Onkar Rajendra		
	Patole	It was the online internship of power electronics for 1 month	
10	Janhavi Yogesh		
	Yewale	Learn to design your own solar system	
11		"Electric Power System" and "Python Basics" courses offered	
		through coursera. Course on "Learn to design your own solar	
	Vaishnavi Balasaheb	home system" conducted by	
	Pachpute	Energy Swaraj Foundation.	
12	Aditya Rajanikant		
	Bhise	Coursera and energy literacy certificate by swaraj foundation	
13	MHASKE SAMEER	https://drive.google.com/open?id=1RY4wzSIWrkrNT4ssxvh9I	
15	RAMCHANDRA	XckCBg0e71-	
14	Sayali Dhanaji Pawar	NPTEL Power electronics course completion certificate	
15	-	Transformer, induction motor, power system earthing and	
10	Carolyne Varghese	generation by Tata steel.	
16	Moghekar Aishwarya	-	
10	Sharadkumar	coursera power electronic	
17	Vishrut Karangale	In above courses I tried to improve my skills	
18	Prajakta Balasaheb		
	Patole		
19	Atharva Bhagwat	Self pace training course Matlab onramp	
20	Rituja Padmakar Patil	1. Electric power system, Coursera	

		<ol> <li>Introduction to internet of things and embedded systems.</li> <li>C tutorial course, Solo Learn</li> </ol>
21		Completed a course on Data Structures and Algorithms in C++, The Arduino platform and C programming, Algorithmic Toolbox, Wind energy,
	Shehbaz Khan	React JS
22	Shivani Ramesh Chaudhari	<ol> <li>Electric Power System, Coursera(State University of New york)</li> <li>Induction Motor (TATA steel Capability development)</li> <li>Power Systems Generation (TATA steel)</li> <li>Power system Power cables (TATA steel)</li> <li>Power system protection (TATA steel)</li> </ol>
23	Diksha Sanjay Battise	
24	Aitawade Aniket Appaso	GATE 2021 Qualified with 39 marks and score 449
25	PATIL SHRADDHA VILAS	This is the course of Basics Of Python For Data Science from edx IBM.
26	Saurabh Patil	Intro to Entrepreneurship Course - IUCEE Six Sigma and the Organization (Advanced) - Coursera Six Sigma Advanced Define and Measure Phases - Coursera Six Sigma Advanced Analyze Phase- Cousera Six Sigma Advanced Improve and Control Phases - Coursera Six Sigma Green Belt - Coursera Learn to Design your own Solar Home System - Energy Swaraj Foundation
27	Nishi Choubey	completed several courses on Coursera and Energy Swaraj Foundations
28	Akash Godbole	Crash Course on Python (Coursera), Foundation : Data Everywhere (Coursera), Data Science : Basic (Great Learning), Electric Power System (Coursera), Machine Learning (Udemy), Object oriented programming for beginners-using python (Udemy), Programming For Everybody : Python (Coursera), SQL- Bootcamp (Udemy), SQL- (Udemy)
29		1) PRACTICAL PLC, UDEMY 2)Design Of Solar Home System,
	Trupti Arun Bhamare	Energy Swaraj Foundation 3)Cloud Computing Basics, Coursera 4)Command Line in Linux, Coursera
29	Sadanand Prakashrao Mohite	Fundamentals of digital marketing By Google
30	Komal Sheshraj Patil	Electric industry operation and market (Coursera), Introduction to

		solar cell (Coursera), Electric Power system (Coursera), Solar system designing.	
31	Ankita Ramesh Wakchaure	https://drive.google.com/open?id=1Xsnb0gs4OR-G- wBiGYMPvyjp46PmjEiI	
32	Janhavi Sanjay Sapkal	Courses completed on Coursera and Udemy	
33	Sanket Rajaram Darekar	coursera & Tata steel courses completed in pandemic situation.one month online industrial training on, "Renewable	
34	Maithili Balkawade, Adarsh Vishwakarma, Rushikesh Kajale, Viraj Patil and Yash Patil from SE Electrical	SAE INDIA NIS EFFICYCLE and bagged AIR 2 for the Advanced Electric Trike. They also received "Best Project Plan Award".	
35		<ol> <li>Won 1 st prize at SPPU Hackathon 2021.</li> <li>Won 1st prize in project competition at Quantum 2021- Ntional level Technical symposium held on 5 th July 2021 organised by Rajarambapu Institute of Technology ,Sangli</li> <li>Secured A place in National Innovation contest organised by the Ministry of Educations Innovation cell .</li> <li>1 st prize at Paper presentation at Vishwa Parivartan 2020 organised by VIIT, Pune.</li> <li>2 nd prize at SPPU-I-2-E, organized by SPPU Incubation Centre, Pune.</li> <li>Won 1 st prize at a startup-Anveshan organized by GOI.</li> <li>Won 2 nd prize for a competition for young aspiring Entrepreneurs, Bizz hour organized by VIIT, Pune.</li> <li>Secured 1 st prize at an intercollege technological innovation competition, Pragati 2020 organised by SFIT, Mumbai</li> <li>Received Best Innovation award Avishkar 2019- A project competition organized by Mumbai University</li> </ol>	
	Anuarag Lambor	project competition organised by munioar oniversity	

# STUDENTS' ACHIEVEMENT (Team Level)

S N	Name of Event	Name of student	Details of Achievement
			(State/University/
			National/International Level)

1	SAE efficycle	Yash Bhausaheb Patil	In 2020 SAE efficycle
	(season 11)		(season 11) virtual event,
			our Aissms COE college
			team (Reasonance racing
			efficycle) has ALL INDIA
			RANK 2 in the advanced
			electric vehicle category.
			Also AIR 1 in best project
			plan award.
2	SAE Effi-Cycle	Viraj Ravikiran Patil	SAE Effi-Cycle 2019-2020,
	2019-2020		Got best project plan award
			and secure AIR 2
3	Startup	Sumit Ghodke from SE	start up of handmade LED
		Electrical	bulbs
4	NPTEL	Aniket Aitawade from TE	successfully completed
		Electrical	MHRD sponsored NPTEL
			course on Electrical
			Machines-1, Power
			Electronics and Network
			Analysis in Elite category
			with 94%, 77% and 75%
			respectively

# SPORTS / CULTURAL ACHIEVEMENTS OF STUDENTS (Individual Level) (Team level

achievements to be mentioned in institute level sports/Cultural committee report)

S N	Name of Student	Details of Achievement (State/University/	
		National/International Level)	
		Nil	

### SOCIAL ACTIVITIES ORGANISED (NSS, Women empowerment etc.)

S N	Faculty	Name of Activity	Date,	Number of
	coordinator		Duration	students involved
1	Dr AA Godbole S R Lengade	Panel Discussion with women engineers	6/3/21 1.5 Hrs	120
2	P Sankala & V N Tarange	Tree Plantation Drive for Faculty and students	04/03/2021	100

#### PARENT MEETING

S N	Faculty Coordinator	Day and Date	Details of Parent meetings
			organised
1	S R Lengade	10th October	SE Electrical
		2020	35 Parents attended Online meeting
			Interaction on Attendance and
			Student Performance

#### ALUMNI MEET

S N	Faculty Coordinator	Day and Date	Details of Alumni meetings organised		

# DETAILS OF STUDENT COUNSELING AND CAREER GUIDANCE AT THE DEPARTMENT LEVEL

Number of students referred for counseling	Nil
Number of Faculty referred for counseling	Nil

S N	Faculty coordinator	CAREER GUIDANCE ACTIVITY	
		DETAILS	

#### MISCELLANEOUS (SYLLABUS IMPLEMENTATION, MAJOR ADDITION IN

# INFRASTRUCTURE AND FACILITY, INNOVATIONS INTRODUCED, DEVELOPMENT OF E – CONTENT ETC.)

S N	FACULTY	ACTIVITY
1	Dr AA Godbole	e-content
2	Dr. Mrs. M. H. Dhend	e-content
3	S.K.Biradar	e-content
4	Dr A A Apte	e-content
5	L.S.Godse	e-content
6	V.S.Ponkshe	e-content
7	P.K.Sankala	e-content
8	V.N.Tarange	e-content

9	R.S.Shinde	e-content
10	S.Vadi	e-content
11	S.S.Mujawar	e-content

#### FEEDBACK FROM STAKEHOLDERS

Sr	Stake	Number of	Overall Feedback		
No	holder	Feedbacks			
		Received			
1	Alumni	30	Alumni students expressed satisfaction over developments		
			in college and department		
2	Parents	35	Parents have expressed satisfaction over their wards		
			progress		
3	Employers	5	They expressed concern about soft skills and at times		
			attitude of the students		
4	Students	60	Students have written about difficulty in coping up with		
			analytical subjects and programming skills		

# ANY OTHER NOTEWORTHY ACHIEVEMENT OF THE DEPARTMENT (Not mentioned above)

Sr.	Details
No.	
	Nil

#### TWO BEST PRACTICES FOLLOWED IN THE DEPARTMENT

#### **Students Internships**

#### **Engineering Today Event**

#### SWOC ANALYSIS

Detail five major strengths, weaknesses, opportunities, and challenges (SWOC) of the department and future plans of the Departments

Strengths	1	Experienced, committed and qualified faculty
	2	Well equipped laboratories
	3	Good faculty retention ratio
	4	Interaction with outside world
	5	

Weaknesses	1	No R&D funded projects
	2	No Consultancy
	3	Limited scope of involving students in activities due to tight University Examination schedules
	4	
	5	

Opportunities	1	Qualification up-gradation of faculty
	2	Sponsorship for Research Activation
	3	Establishing MoU with Core Industries
	4	Promoting the spirit of Entrepreneurship
	5	

Challenges1Competition with other institutes to attract meritorious students		Competition with other institutes to attract meritorious students
	2	Placement of students in core companies
	3	Obtaining stakeholders' involvement for improving the teaching
		learning processes
	4	
	5	

# FUTURE PLANS OF THE DEPARTMENT (For Next Academic Year)

1	To apply for NBA
2	To increase the MOUs signed with industries
3	To fetch consultancy from industry
4	
5	

# INITIATIVES TAKEN BY THE DEPARTMENT AT DEPARTMENT AND INSTITUTE LEVEL TO IMPROVE AND ASSURE QUALITY IN THE AREA OF

Area	Initiatives

A 1 ·	
Academics	The faculty members are instructed to follow the academic schedule of tests
	and assignments. They encourage the students to participate in
	intercollegiate technical activities like paper presentation, poster
	competition and quizzes. Students are encouraged to go for industrial
	implant training and get industry sponsored projects.
Co curricular	Students are encouraged to enrol for various certification courses like
	NPTEL, Coursera, Udemy. Our students also work in Efficycle, BAHA
	team
Extra	Our students take part in various sports and cultural activities like Firodiya,
curricular street play at intercollege level. Department supports such activitie	
Social	Participation in NSS and other social activities like blood donation camp,
	tree plantation, visit to orphanages is done by students and faculty supports
	the same
Infrastructure Purchase of some equipments is done for conduction of practicals	
and facility	
Faculty	Faculty members are advised to attend the FDPs in their area of interest to
Development	increase their subject know-how and OD leaves are granted for the same.
Student	Student counselling is done through mentors and support is provided to
welfare	them. Any issue which needs attention is referred to a professional
wenare	counselor. Thus the students overall progress: technical and personal is
	monitored by the department through the mentors.

# SUMMARY SHEET

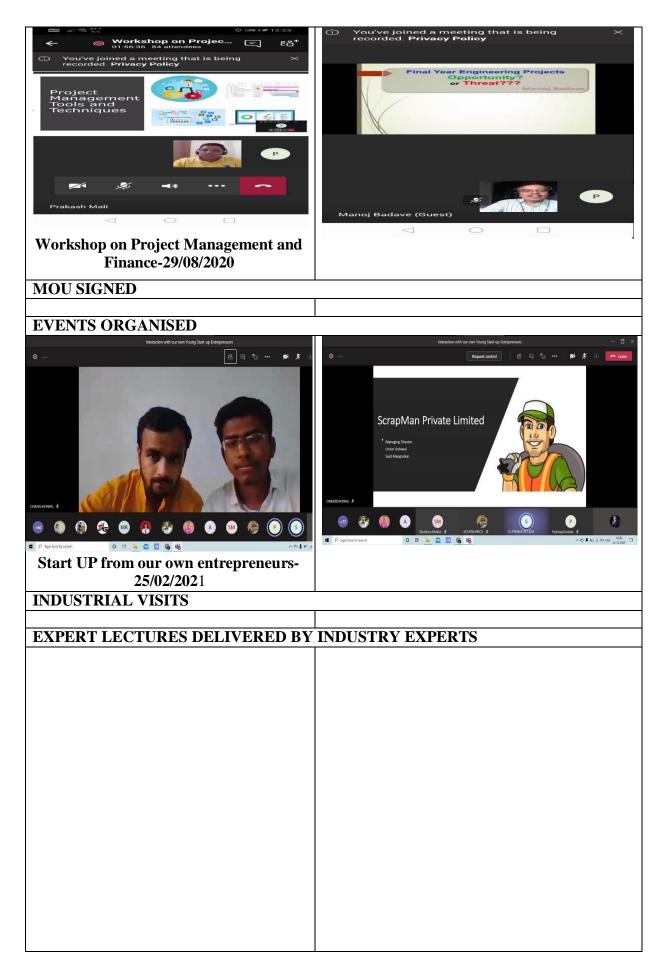
Sr	Activity/ Item	
No		
01	Students in the department	240
02	FDP/STTP/Seminars/Conferences/Workshops/ Symposiums organized by	04
	the department	
03	FDP/STTP/Seminars/Conferences/Workshops/ Symposiums attended by	180
	the department faculty	

04	Extension lectures (lectures delivered by visiting guests)	11
05	Faculty served as resource person, expert or chairperson	19
06	Extension activities conducted by the department	9
07	MOU signed with academic and professional organizations	01
08	Students' chapter /clubs	02
09	Student events organized	15
10	Papers published in proceedings of conferences	-
11	Papers published in refereed journals	04
12	Book/ Article publications	-
13	Patents and other IPR	-
14	Students placed	23
15	Students qualified in the examination	07
16	ME Awarded	04
17	PhD guides	01
18	PhD awarded	-
19	Industrial visits conducted	-
20	Expert lectures delivered by industry experts	02
21	Industry –sponsored projects (UG/PG)	-
22	MOU signed with industry	-
23	Faculty members undergone industrial training	-
24	Students undergone in-plant training and (or) internship programme	03
25	Workshops/seminars/conferences/courses conducted with industry	01
	support/collaboration (for students)	
26	Training to industry personnel/ activity supporting to industry	
27	Testing and consultancy for industry	-

28	Any other activities to promote interaction with industry	-
29	Support from alumni	03
30	Sports / cultural achievements of students (Individual level)	34
31	Social activities organized	02
32	Parent meetings organized	01
33	Alumni meet organized	-
34	Number of student counseling and career guidance sessions organised	-

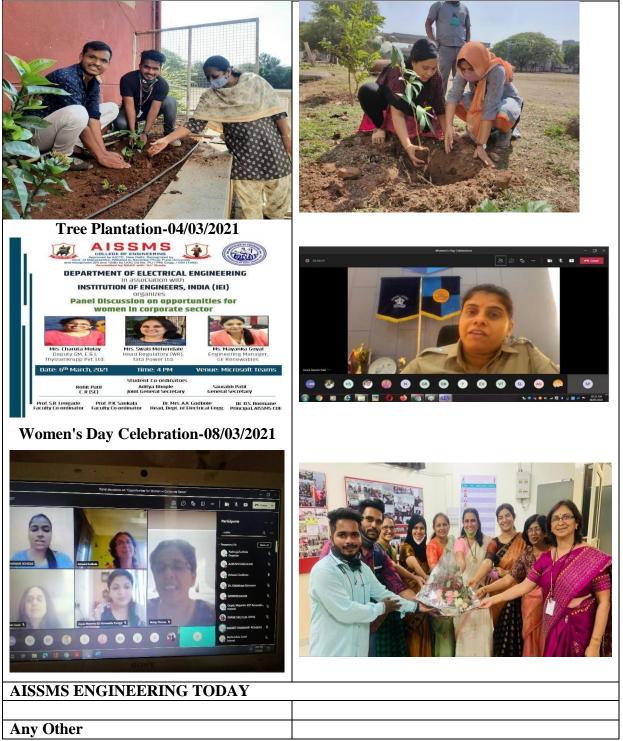
#### **GLIMPSES** (Photographs)





# SPORTS / CULTURAL ACHIEVEMENTS

### SOCIAL ACTIVITIES





Dr A A Godbole Name and Signature of Head of Department