

Department of Electronics & Telecommunication Engineering
Staff Activities : 2019-2020

• **SEMINAR/WORKSHOP/STTP/FDP/WINTER SCHOOL ATTENDED**

SR. No.	NAME OF STAFF	SEMINAR/WORKSHOP/STTP/WINTER SCHOOL	YEAR/ DATE	ORGANISER
1	Dr. G. R. Patil	One Day PYTHON Workshop by IIT Mumbai	22-Jun-19	AIT With IIT Mumbai
		One day Coordinator workshop on R	12-Oct-19	AIT With IIT Mumbai
		one week FDP on VLSI Chip Design Hands-on using open source EDA	16 to 20 Dec 2019	Ministry of Electronics & Information Gov India
		one week FDP on ICT Tools for Teaching, Learning Process & Institutes.	13 to 17 Jan 2020	Ministry of Electronics & Information Gov India
2	Dr. Surekha KS	Workshop on Smart Classroom at IIT Mumbai	24-25 June 2019	IIT Mumbai
		UKIERI and AICTE sponsored 8 Week International Moocs FDP on “Creating Open Source Cloud based Gnomio Moodle of your Own Subject for OBE”	April to June 2019	D Y Patil COE Akurdi
		8 weeks NPTEL online Course on Accrediation and Outcome Based Learning.	Aug to Oct 2019	IIT Kharagpur
		IIT sponsored one week FDP on VLSI Chip Design Hands-on using open source EDA	16 to 20 Dec 2019	Ministry of Electronics & Information Govt. of India
		IIT sponsored one week FDP on ICT Tools for Teaching, Learning Process & Institutes.	13 to 17 Jan 2020	Ministry of Electronics & Information Govt. of India
		IIT Mumbai sponsored One day Coordinator workshop on Arduino	18-Jan-20	IIT Mumbai
		12 weeks NPTEL course on Introduction to Machine learning	July-Oct 2019	IIT Madras
		12 weeks NPTEL course on NBA accreditation and Teaching learning in engineering	Jan-April 2020	IISC Bangalore
		DESIGN THINKING IN THE AGE OF COVID -19”	6-May-20	RSCOE IEEE with PUNE IEEE section
		Online webinar on Leadership talk	9-May-20	MHRD
		Faculty awareness program on NBA accreditation	10-May-20	Sandip Institute of Technology, Nashik
		One week online FDP on LATEX	11-15 May 2020	BVCOE with IIT Mumbai
		Online webinar on Leadership talk	16-May-20	MHRD
		NBA Accreditation Process	18-May-20	SNJbs COE

Mrs. Rajashree Suryawanshi
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		One week online FDP “Effective Proposal Writing for Research and Funding”	13-18 May 2020	Sandip Institute of Technology and Research centre, Nashik
		One week online FDP “Signal, Image & Video Processing: A Practical Approach	26-30 May 2020	Govt. college of Engg. Karad (TEQIP)
		IIC webinar series organised under MHRD(14 sessions)	1 May 2020-22 May 2020	AIT with MHRD, Govt. of India
3	Dr. P B Karandikar	Intenational Conference on Power Electronics Applications & Technology in present energy scenrio (PETPES2019)	29-31 Aug 2019	Dept of EEE, NITK Suratkal
		one week FDP on VLSI Chip Design Hands-on using open source EDA	16 to 20 Dec 2019	Ministry of Electronics & Information Gov India
		one week FDP on ICT Tools for Teachning, Learning Process & Institutes.	13 to 17 Jan 2020	Ministry of Electronics & Information Gov India
		ONLINE R Test	2-May-20	IIT Bombay With MHRD
4	Mr. DG Auradkar	one week FDP on VLSI Chip Design Hands-on using open source EDA	16 to 20 Dec 2019	Ministry of Electronics & Information Gov India
		One week FDP on Python Programming with Industry Perspective	2 to 6 th Dec 2019	Ministry of Electronics & Information Gov India
		one week FDP on ICT Tools for Teachning, Learning Process & Institutes.	13 to 17 Jan 2020	Ministry of Electronics & Information Gov India
5	Mr. JB Jawale	one week FDP on VLSI Chip Design Hands-on using open source EDA	16 to 20 Dec 2019	Ministry of Electronics & Information Gov India
		One week FDP on Python Programming with Industry Perspective	2 to 6 th Dec 2019	Ministry of Electronics & Information Gov India
		one week FDP on ICT Tools for Teachning, Learning Process & Institutes.	13 to 17 Jan 2020	Ministry of Electronics & Information Gov India
		12 weeks NPTEL course on NBA accreditation and Teaching learning in engineering	Jan-April 2020	IISC Bangalore
6	Mr. K. Vijay Kumar	One week FDP on Python Programming with Industry Perspective	2 to 6 th Dec 2019	Ministry of Electronics & Information Gov India
		one week FDP on VLSI Chip Design Hands-on using open source EDA	16 to 20 Dec 2019	Ministry of Electronics & Information Gov India
		Attended Webinar on Advanced Digital Content creation tools & Techniques for Education	May-20	AISSMS COE Pune

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		12 weeks NPTEL course on NBA accreditation and Teaching learning in engineering	Jan-April 2020	IISC Bangalore
7	Ms. S. Wadar	one week FDP on VLSI Chip Design Hands-on using open source EDA	16 to 20 Dec 2019	Ministry of Electronics & Information Gov India
		one week FDP on ICT Tools for Teachning, Learning Process & Institutes.	13 to 17 Jan 2020	Ministry of Electronics & Information Gov India
		one week National Level online FDP on Scilab	18 to 22 May 2020	PVG COE Pune
		one week National Level online FDP on LaTeX	28 april to 04 May 2020	AISSMS COE Pune
		one week National Level online FDP on ARDUINO.	25 April to 30 April 2020	RSCOE Tathwade with IIT Mumbai
		one week National Level online FDP on Linux	25 to 29 May 2020	PVG COE Pune
		one week National Level online FDP on Python3.4.3	20 to 25 April 2020	RMD Singhgad Technical Institute Warje Pune
8	Mr. Avinash Patil	one week FDP on VLSI Chip Design Hands-on using open source EDA	16 to 20 Dec 2019	Ministry of Electronics & Information Gov India
		one week FDP on ICT Tools for Teachning, Learning Process & Institutes.	13 to 17 Jan 2020	Ministry of Electronics & Information Gov India
		one week National Level online FDP on Linux	25 to 29 May 2020	PVG COE Pune
		one week National Level online FDP on LaTeX	28 april to 04 May 2020	AISSMS COE Pune
		one week National Level online FDP on Scilab	18 to 22 May 2020	PVG COE Pune
		one week National Level online FDP on Effective Proposal Writing for Research and Funding.	13 to 18 May 2020	SIT Nashik
		one week National Level online FDP on ARDUINO.	25 April to 30 April 2020	RSCOE Tathwade with IIT Mumbai
		one week National Level online FDP on Python3.4.3	20 to 25 April 2020	RMD Singhgad Technical Institute Warje Pune
		Attended Webinar on Robotics Process Automation	14-May-20	AISSMS COE Pune

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9	Dr. SD OZA	One Day PYTHON Workshop by IIT Mumbai	22-Jun-19	AIT With IIT Mumbai
		One day Coordinator workshop on LINUX	3-Aug-19	AIT With IIT Mumbai
		One week FDP on Python Programming with Industry Perspective	2 to 6 th Dec 2019	Ministry of Electronics & Information Gov India
		Completed PhD	20-Nov-19	SPPU Pune
		12 Days FDP on Enterpreneurship	9 to 20 Dec 2019	Science Tech Park with SPPU
10	Dr. R. Bhandari	One Day PYTHON Workshop by IIT Mumbai	22-Jun-19	AIT With IIT Mumbai
		One Day LINUX Workshop by IIT Mumbai	23-Aug-19	AIT With IIT Mumbai
		Online FDP on The Joy of Computing using Python	Jul- Oct 2019	NPTEL-AICTE
		Completed PhD	20-Sep-19	SPPU Pune
		One week FDP on Python Programming with Industry Perspective	2 to 6 th Dec 2019	Ministry of Electronics & Information Gov India
		One day Faculty awareness programm on NBA Accrediation	9-May-20	SITR Nasik
		Online self learning online course on Understanding open Educational Resources	Apr-20	Commonwealth Learning canada
		7 day Faculty awareness programm on NAAC.	8 to 14 May 2020	MMIT Lohegoan Pune
		Faculty Awareness Programm on OBE & NBA	7-May-20	SIT Narhe
		Online Certification Course on Computer Fundamentals	1-Nov-19	Swayam
		online quiz on C Programming	11-May-20	GIT Ratnagiri
		Attended leadership Talk	16-May-20	MHRD innovation Cell
		11	Ms. Preeti Warriar	One Day PYTHON Workshop by IIT Mumbai
8 Weeks Online Certification Course on Advanced Linear Continuous Control Systems: Applications with MATLAB Programming and Simulink	Jul- Sep 2019			NPTEL with IIT Roorkee
6 Days STTP on Fractional Calculus Applications in Control, Computing, Signal & Image Processing.	2 to 7 Dec 2019			RAIT nerul Mumbai
one week FDP on VLSI Chip Design Hands-on using open source EDA	16 to 20 Dec 2019			Ministry of Electronics & Information Gov India

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		One Day Arduino Workshop by IIT Mumbai	8-Feb-20	AIT With IIT Mumbai
		Effective and Efficient Online Teaching in the Age of Corona A Hands on Workshop	17-May-20	IIT Mumbai
		7 day Faculty awareness programm on NAAC.	8 to 14 May 2020	MMIT Lohegoan Pune
		one day Faculty awareness programm on NBA Accrediation	12-May-20	SITR Nasik
		Attended leadership Talk	16-May-20	MHRD innovation Cell
		5 Days STTP Program on MATLAB based Teaching-Learning in Mathematics, Science & Engg.	18 to 22 May 2020	
12	Mr. Girish Kapse	one week FDP on VLSI Chip Design Hands-on using open source EDA	16 to 20 Dec 2019	Ministry of Electronics & Information Gov India
		one week FDP on ICT Tools for Teachning, Learning Process & Institutes.	13 to 17 Jan 2020	Ministry of Electronics & Information Gov India
		One week FDP on JAVA	18th May to 22nd May 2020	PVGOET Pune with Iit Bombay
13	Ms. R. Suryawanshi	One Day LINUX Workshop by IIT Mumbai	23-Aug-19	AIT With IIT Mumbai
		one week FDP on VLSI Chip Design Hands-on using open source EDA	16 to 20 Dec 2019	Ministry of Electronics & Information Gov India
		Webinar on “How To Publish a High Quality Technical Journal Paper”.	20-Apr-20	IEEE
		Faculty Awareness Programme on “Outcome Based Education (OBE) and NBA Accreditation”.	5-May-20	Sinhgad Institute of Technology and Science, Narhe
		Online Faculty Development Program on “LaTeX”.	28 April to 04 May, 2020	AISSMS COE in association with Spoken Tutorial Project, IIT Bombay.
		Online Faculty Development Program on “Effective Proposal Writing for Research and Funding”.	13 May to 18 May 2020	SITRC in association with IEEE Women in Engineering
		Faculty Development Program on “Emerging Trends in Industry 4.0”.	18 May 2020 to 29 May 2020	RSCOE technically sponsored by ACM with Student Chapter
14	Ms. S. Pawar	One Day LINUX Workshop by IIT Mumbai	23-Aug-19	AIT With IIT Mumbai

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		One week FDP on Python Programming with Industry Perspective	2 to 6 th Dec 2019	Ministry of Electronics & Information Gov India
		one week FDP on VLSI Chip Design Hands-on using open source EDA	16 to 20 Dec 2019	Ministry of Electronics & Information Gov India
15	Ms. Snehal Marathe	One Day LINUX Workshop by IIT Mumbai	23-Aug-19	AIT With IIT Mumbai
		Online FDP on Introduction to Internet of Thing	Jul- Oct 2019	NPTEL-AICTE
		One week FDP on Python Programming with Industry Perspective	2 to 6 th Dec 2019	Ministry of Electronics & Information Gov India
		one week FDP on VLSI Chip Design Hands-on using open source EDA	16 to 20 Dec 2019	Ministry of Electronics & Information Gov India
		5 Days FDP on Artificial Intelligence	13 April to 17 April 2020	AICTE
16	Ms. M. Nilkanth	One Day PYTHON Workshop by IIT Mumbai	22-Jun-19	AIT With IIT Mumbai
		One Day LINUX Workshop by IIT Mumbai	23-Aug-19	AIT With IIT Mumbai
		Online FDP on The Joy of Computing using Python	Jul- Oct 2019	NPTEL-AICTE
		One week FDP on Python Programming with Industry Perspective	2 to 6 th Dec 2019	Ministry of Electronics & Information Gov India
		One day Coordinator workshop on R	9-Nov-19	AIT With IIT Mumbai
		One Day Arduino Workshop by IIT Mumbai	8-Feb-20	AIT With IIT Mumbai
17	Ms. D. Patil	One Day PYTHON Workshop by IIT Mumbai	22-Jun-19	AIT With IIT Mumbai
		Faculty Orientation Workshop on FE E&TC Revised Syllabus 2019 for Basic Electronics Engg.	22nd July 2019	Dr. DY Patil Institute of Technology Pimpri-Pune with SPPU
		One Day LINUX Workshop by IIT Mumbai	23-Aug-19	AIT With IIT Mumbai
		One week FDP on Python Programming with Industry Perspective	2 to 6 th Dec 2019	Ministry of Electronics & Information Gov India
		one week FDP on VLSI Chip Design Hands-on using open source EDA	16 to 20 Dec 2019	Ministry of Electronics & Information Gov India
		Intenational Conference on Sentimental Analysis and Deep Learning (ICSADL2020)	2-3 April 2020	KGiSL Institute of technology Coimbatore TN

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18	Ms. Pragati Rana	One Day PYTHON Workshop by IIT Mumbai	22-Jun-19	AIT With IIT Mumbai
		One Day LINUX Workshop by IIT Mumbai	23-Aug-19	AIT With IIT Mumbai
		one week FDP on VLSI Chip Design Hands-on using open source EDA	16 to 20 Dec 2019	Ministry of Electronics & Information Gov India
		Faculty Awareness Programm on OBE & NBA	7-May-20	SIT Narhe
		online quiz on Basics of Electronics Engg.	29-May-20	ICEM Pune
		online quiz on IOT.	21-May-20	PCME COE Pune
		12 weeks NPTEL course on NBA accreditation and Teaching learning in engineering	Jan-April 2020	IISC Bangalore
19	Dr. Harjeet Kaur	One Day PYTHON Workshop by IIT Mumbai	22-Jun-19	AIT With IIT Mumbai
		One week FDP on Python Programming with Industry Perspective	2 to 6 th Dec 2019	Ministry of Electronics & Information Gov India
		12 Days FDP on Enterpreneurship	9 to 20 Dec 2019	Science Tech Park with SPPU
		one week FDP on VLSI Chip Design Hands-on using open source EDA	16 to 20 Dec 2019	Ministry of Electronics & Information Gov India
		Online Certification Course on Innovation, business Models and Entrepreneurship	Aug to Oct	NPTEL with IIT Roorkee

• **Publications**

SR NO	NAME OF STAFF	TITLE OF PAPER	YEAR/DATE NAME OF JOURNAL, VOLUME & PAGE NO.	NATIONAL / INTERNATIONAL
1.	Dr. G. R. Patil	Design & Implementation of Robust Navigation System Platform for Autonomous Mobile Robot	ISSN 2249-8958 Vol-9 Issue-2 December 2019	Int Journal
2.	Dr. Surekha KS	IoT BASED FOOD MONITORING SYSTEM IN WAREHOUSES	ISSN: 2395-0056 Vol: 07 Issue: 04 Apr 2020	International Research Journal of Engineering and Technology (IRJET)
		Smart Muncipal Solid Waste Management	ISSN: 2350-0530 Vol: 08 Issue: 04 Apr 2020	International Research Journal GRANTHAALAYAH

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SR NO	NAME OF STAFF	TITLE OF PAPER	YEAR/DATE NAME OF JOURNAL, VOLUME & PAGE NO.	NATIONAL / INTERNATIONAL
3.	Dr. P B Karandikar	Electrode Eletrolyte Compatibility for Superior Performance of Super-Capacitor	19380710	Int Conf
		Applications of Ultra Capacitor In Indian Vehicles	ISSN:2277-8616 Vol 9 Issu 4 P. No. 914-917 April 2020	IJSTR
		Comparative Study of Blinders for Super-Capacitor	Dec 2018-20, 2019 978-1-7218-1924	Int Conf IEEE
		Optimization Of Battery - Ultracapacitor For Electrically Operated Vehicle For Urban Driving Cycle In India	ISSN 2277-8616 VOLUME 9, ISSUE 03, MARCH 2020	IJSTR
		Modeling and Optimization of a Jackfruit Seed-Based Supercapacitor Electrode Using Machine Learning	Chemical Engg. Technology 2020 43, No.00	Int Journal
4.	Ms. S. Patil	A Fast Optimized Architecture to Perform Multi Bit Permutation Operation	Vol-9(5) ISSN: 2277-3495	Int Journal
		A Novel Architecture for Multi-Bit Shift and Rotate Operation	ISSN 2454-7190 Issue-9 May 2020	Int Journal
		Square Operation Implmentation on Reconfigurable Hardware Logic to Attain High Speed, Area Optimization and Lowe Power Consumption	ISSN 2454-7190 Issue-9 May 2020	Int Journal
5.	Mr. Avinash Patil	Novel Method to Compute Cube Confirming Low Device Utilization on FPGA	Vol-9(5) ISSN: 2277-3495	Int Journal
		A Novel Architecture for Multi-Bit Shift and Rotate Operation	ISSN 2454-7190 Issue-9 May 2020	Int Journal
		Square Operation Implmentation on Reconfigurable Hardware Logic to Attain High Speed, Area Optimization and Lowe Power Consumption	ISSN 2454-7190 Issue-9 May 2020	Int Journal

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6.	Dr. SD OZA	GPU Accelerated bilateral filter for denoising knee MR Image	vol. 13, issue 4, 2019, ISSN: 2212-4047 (Online), ISSN: 1872-2121 (Print)	Int Journal
7.	Dr. Renuka Bhandari	Secure Radio Frequency Transmission for Paperless Voting System	ISSN:2278-3075 Vol-9 Issue-7 May20	Int Journal
		Design & Implmentation of Black Box for Security and Monitoring of Automobiles	Issn 0975-8364	Int Journal
8.	Ms. R. Suryawanshi	Performance Analysis of 8x8 MU-MIMO in Uplink of LTE-A	ISSN No. 0975-8364 Online 2249- 3255	Int Journal
		“GWO Based Optimal Channel Estimation Technique For Large Scale MIMO In LTE Network”	International Journal of Innovative Technology and Exploring Engineering ISSN No.2278-3075	International Journal
9.	Ms. Dhanshri Patil	Road Extaction Techniques from remote Sensing Images	Apr-20	Int Conf
10.	Dr. Harjeet Kaur	Smart Farming Using Automated Bot	International Journal of Electrical & Data Communication ISSN2320-2084 Volume 7 Issue 6 June 2019	Int Journal
		A Wavelet Based Hybrid Threshold Transform Method for Speech Intelligibility and quality in noisy Speech Patterens of English Language	ISSN 0929-6212 Vol 112 P No. 113-1135	Int Journal

• **Patents**

SR NO	NAME OF STAFF	TITLE OF PAPER (Patent/ Copyright (CR)/Trade Mark(TM))	YEAR/DATE NAME OF JOURNAL, VOLUME & PAGE NO.	NATIONAL / INTERNATIONAL
1	Ms. D. Patil	Road Extaction Techniques from remote Sensing Images	L-90378/2020	National CR

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• **Resource Person**

Sr. No.	Name Of The Staff	Topic of guest lecture/ Activity	YEAR/DATE	Organizer
1	Dr Surekha KS	Imparting Outcome Based Education (OBE) in Professional Education	04-15 Nov 2019	D Y Patil COE Akurdi

• **Grants**

Sr. No	Name of the Faculty	Project Title	Academic Year	Funding Agency	Amount (Rs.)	Status
1.	Dr. Surekha KS	Real Time DSP Based ECG Acquisition & transmission Using CUDA Based Compression	2018-19	BCUD	1,60,000	Completed
2.	Mr. K. Vijay Kumar	Cost Effective Solution for Solar Panel Cleaning System	2018-19	BCUD	1,80,000	Completed
3.	Mr. J. B. Jawale	Cost Effective Solution for Solar Panel Cleaning System	2018-19	BCUD	1,80,000	Completed
4.	Dr. G. R. Patil	Moderization of Digital, Microprocessor & Embedded Lab with high end Embedded & iot Development platforns in Dept of E&TC at AIT Pune	2019-20	MODROB	10,00000/-	Completed

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