

**DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING****Year : 2014-15****SEMINAR/WORKSHOP/STTP/WINTER SCHOOL ATTENDED**

<b>SR NO</b>	<b>NAME OF STAFF</b>	<b>SEMINAR/WORKSHOP/STTP/WINTER SCHOOL</b>	<b>YEAR/DATE</b>	<b>ORGANISER</b>
1.	Dr. B P Patil	1.Science & Information Conferences 2014	27 to 29th Aug 2014	The Science & Information Organization London UK
		2.One Day seminar on “ Recent Advances in Nanostructure Material & Applications”	17th Jan 2015	RSCOE Pune
		3.Six week online course on GPs: An Introduction to satellite Navigation with an interactive Laboratory using Smart phones	13 <sup>th</sup> Oct. 9 <sup>th</sup> Dec. 2014	Stanford University
2.	Mrs. Surekha KS	1. Attended STTP program on “Emerging challenges for technocrat in Digital Signal Processing.”	2nd to 7th June 2014	AISSMS Pune
		2.Science & Information Conferences 2014	27th to 29th Aug 2014	The Science & Information Organization London UK
		3.ANSYS convergence regional conference	12 <sup>th</sup> May 2015	Pune
3.	Mr. G. R. Patil	1. Attended Faculty orientation workshop of TE (E&TC) revised syllabus 2012 course for Digital Communication under UOP.	12th to 14th June 2014	MES COE Pune
		2.Third International Conference on Advances in Computing, Communications and Informatics	24th to 27th Sep. 2014	Galgotias CoE&Technology, Greater Noida (IEEE)
		3.Attended syllabus meeting for BE E&TC	26th Dec. 2014	RSCOE Pune
		4. Faculty Orientation workshop on TE E&TC ITCT Syllabus.	11th to 13th Dec 2014	CCOEW Pune
		5. Attended International ICPS-2015 conference (IEEE)	8 <sup>th</sup> - 10 <sup>th</sup> Jan.2015	SCOE, Pune
4.	Mr. D. G. Auradkar	1. Attended Faculty orientation workshop of TE (E&TC) revised syllabus 2012 course for Electromagnetic & Transmission Line under UOP.	12th to 14th June 2014	KJ COE Pune
		2.One day workshop on LEAN SIX SIGMA	6th Sep. 2014	MSME, Pune
		3.Two-Week ISTE workshop on Control Systems	2nd to 12th Dec 2014	IIT Kharagpur
		4.Attended three days state level workshop on “Speech Processing”	6th -8th Feb 2015	Dr. DY Patil COE Ambi

**DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING**

**Year : 2014-15**

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		5. Attended 1 day seminar on MATLAB & Simulink for Engineering Education	12 <sup>th</sup> March 2015	Mathworks India Pvt. Ltd. Pune
		6.1 week STTP on Machine Learning and Computational Intelligence	25 <sup>th</sup> to 29 <sup>th</sup> May 2015	Sinhgad COE Pune-41
		7.2 Days CEP on Application of MATLAB and Simulink for Engineers	16 <sup>th</sup> & 17 <sup>th</sup> May 2015	COEP Pune
5.	Mr. J. B. Jawale	1.Two-Week ISTE workshop on Control Systems	2nd to 12th Dec 2014	IIT Kharagpur
6.	Mr. K. Vijaykumar	1. Attended Faculty orientation workshop of TE (E&TC) revised syllabus 2012 course for “Employability Skills in Electronics Design” under UOP.	12th to 14th June 2014	VIIT Pune-48
		2.Two-Week ISTE workshop on Control Systems	2nd to 12th Dec 2014	IIT Kharagpur
		3.International conference onElectrical, Electronics, Computer science & Mechanical Engg.	19 <sup>th</sup> April 2015	IRAJ- Cochin
7.	Ms. S. R. Wadar	1. Attended Faculty orientation workshop of TE (E&TC) revised syllabus 2012 course for Microcontroller & Applications under UOP.	12 to 14th June 2014	MAEER’s MIT Pune
		2.Faculty Orientation workshop on TE E&TC ITCT Syllabus	11th to 13th Dec 2014	CCOEW Pune
		3.One week STTP on Emerging Research Trends in Electronics Telecommunication & Allied Fields	8th to 12th Dec 2014	MIT COE Pune
8.	Mr. Avinash Patil	1. Attended Faculty orientation workshop of TE (E&TC) revised syllabus 2012 course for “Employability Skills in Electronics Design” under UOP.	12th to 14th June 2014	VIIT Pune-48
		2.One week STTP on Emerging Research Trends in Electronics Telecommunication & Allied Fields	8th to 12th Dec 2014	MIT COE Pune
		3.Faculty Orientation workshop on TE E&TC Mini Project & Seminar Syllabus TE E&TC	17th Jan 2015	VIIT Pune
9.	Mrs. Renuka Bhandari	1. Attended Faculty orientation workshop of TE (E&TC) revised syllabus 2012 course for Digital Communication under UOP.	12th to 14th June 2014	MES COE Pune
		2.One day training on LaTeX	1 <sup>st</sup> Nov.2014	MHRD, Govt. of India , IIT Bombay

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		3.Two-Week ISTE workshop on Control Systems	2nd to 12th Dec 2014	IIT Kharagpur
		4.Attended International conference on Computing, Communication, Control and Automation.	26 <sup>th</sup> - 27 <sup>th</sup> Feb.2015	PCCOE, Pune (IEEE)
10.	Ms. PreetiWarrier	1.Two-Week ISTE workshop on Control Systems	2 <sup>nd</sup> to 12 <sup>th</sup> Dec 2014	IIT Kharagpur
11.	Ms. ManishaNilkanth	1. Attended Faculty orientation workshop of TE (E&TC) revised syllabus 2012 course for Microcontroller & Applications under UOP.	12 <sup>th</sup> to 14 <sup>th</sup> June 2014	MAEER's MIT Pune
		2.Two-Week ISTE workshop on Control Systems	2 <sup>nd</sup> to 12 <sup>th</sup> Dec 2014	IIT Kharagpur
12.	Ms. SD Oza	1.Faculty Orientation workshop on TE E&TC ESD & RTOS Syllabus	11 <sup>th</sup> to 13 <sup>th</sup> Dec 2014	NBN, Sinhgad Pune
		2. Three Days workshop on ESDARM.	1 – 3 <sup>rd</sup> DEC 14	PICT Pune
13.	Ms. ShilpaPawar	1. Attended Faculty orientation workshop of TE (E&TC) revised syllabus 2012 course for System Programming & Operating Systems under UOP.	12 <sup>th</sup> to 14 <sup>th</sup> June 2014	MMM COE Pune
		2.3 Days workshop on ESDARM.	1 – 3 <sup>rd</sup> DEC 14	PICT Pune
		3.Faculty Orientation workshop on TE E&TC ITCT Syllabus	11 <sup>th</sup> to 13 <sup>th</sup> Dec 14	NBN Sinhgad, Pune
		4. One week ISTE STTP workshop on Introduction to design of algorithms	25 <sup>th</sup> May - 30 <sup>th</sup> May 2015	IIT Kharagpur, COEP
14.	Ms. PrgatiRana	1. Attended Summer Faculty Research Fellow Program-2014 at IIT Delhi.	19 <sup>th</sup> May to 20 <sup>th</sup> June 2014	IIT Delhi
15.	Ms. Dhanashri Patil	1.Attended STTP program on “Emerging Challenges for technocrat in Digital Signal Processing”	2 <sup>nd</sup> to 7 <sup>th</sup> June 2014	AISSMS Pune
16.	Ms. Meenal Bansal	1. Attended STTP program on “Emerging challenges for technocrat in Digital Signal Processing.	2 <sup>nd</sup> to 7 <sup>th</sup> June 2014	AISSMS Pune
		2. Attended Faculty orientation workshop of TE (E&TC) revised syllabus 2012 course for DSP under UOP.	12 <sup>th</sup> to 14 <sup>th</sup> June 2014	BSITR Wagholi

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17.	Ms. R. Suryawanshi	1. Attended Faculty orientation workshop of TE (E&TC) revised syllabus 2012 course for DSP under UOP.	12 <sup>th</sup> to 14 <sup>th</sup> June 2014	BSITR Wagholi
18.	Mr. GirishKapse	1.Attended STTP program on “FPGA Prototyping Using Verilog”	16 <sup>th</sup> to 28 <sup>th</sup> June 2014	IIT Kharagpur
19.	Ms. V. Padmaja	1.Faculty Orientation workshop on TE E&TC AWP Syllabus	11 <sup>th</sup> to 13 <sup>th</sup> Dec 2014	BVPCOEW,Pune
20.	Dr. Anita Jain	1.3 Days workshop on ESDARM	1 – 3 <sup>rd</sup> DEC 14	PICT Pune
21.	Mr. Amit Govindwani	1.Two-Week ISTE workshop on Control Systems	2 <sup>nd</sup> to 12 <sup>th</sup> Dec 2014	IIT Kharagpur
22.	Mr. Mahesh Patil	1.Attended three days state level workshop on “Speech Processing”	6 <sup>th</sup> -8 <sup>th</sup> Feb 2015	Dr. DY Patil COE Ambigaon
		2.Attended two days state level workshop on “LabVIEW”	16 <sup>th</sup> -17 <sup>th</sup> 2015	NMIT Pune

**DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING****Year : 2014-15****APPX F: PAPER PUBLISHED**

<b>SR NO</b>	<b>NAME OF STAFF</b>	<b>TITLE OF PAPER</b>	<b>YEAR/DATE NAME OF JOURNAL,VOLUME &amp;PAGE NO</b>	<b>NATIONAL /INTERNATIONAL</b>	<b>ORGANISER</b>
1	Dr. B P Patil	1.Hardware Realization of Descript Convolution using CORDIC and Vedic Multiplier	27 <sup>th</sup> to 29 <sup>th</sup> Aug 2014 Science & Information Conferences 2014	International Conference & IEEE Xplore	The Science & Information Organization London UK
		2. ECG Signal Compression using Hybrid 1D and 2D Wavelet transform.	27 <sup>th</sup> to 29 <sup>th</sup> Aug 2014 Science & Information Conferences 2014	International Conference & IEEE Xplore	The Science & Information Organization London UK
		3.Optimized Reinforcement Learning Approach for Routing in Ad Hoc Network	Accepted	International	IEEE Technically Co-sponsored Science and Information Conference
		4.A System and method for homography based hybrid mixture model for rehab engineering	Patent filed	Indian Patent	11 <sup>th</sup> Nov. 2014
		5. Performance Evaluation of 8 bit Vedic Multiplier.”	2 <sup>nd</sup> February 2015, Volume 22	International	WULFENIA Journal Austria
		6.Speech Coding Technique for VoIP Applications: A Technical Review	2015, ISSN: 1818-4952 Pg. 736-743	International	World Applied Science Journal
		7.Enhanced Confidence Based Q Routing for an AdHoc Network	2015, Vol.1 no. 3, pg no. 60-68	International	American Journal of Educational Science
		8.Wired Network Services in Mobile Phones	26-27 Feb.2015, ISBN- 978-1-4799-7224-1	International Conference	ICECE 2015, Coimbatore
		9.A Non Uniform DFT- Spread Constellation Reforming Method for PAPR Reduction of OFDM Signals	April 2015, vol7, no.4	International	CiiT International Journal of Programmable Device Circuits and System
2	Ms. Surekha KS	1. ECG Signal Compression using Hybrid 1D and 2D Wavelet transform.	27 <sup>th</sup> to 29 <sup>th</sup> Aug 2014 Science &	International Conference & IEEE Xplore	The Science & Information

**DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING**

**Year : 2014-15**

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			Information Conferences 2014		Organization London UK
3	Mr. G R Patil	1.A New Approach to Semi-blind Channel Estimation for MIMO Wireless Communication System	Aug. 2014 International Journal of Computer Applications, Vlume99-no.3	International	IJCA
		2.Joint Channel Estimation and Data Detection for SFBC MIMO OFDM Wireless Communication System	24 <sup>th</sup> -27 <sup>th</sup> Sep. 2014	International Conference & IEEE Xplore	GalgotiasCo E&Technology, Greater Noida (IEEE)
		3.An investigation into performance of MIMO wireless communication system under semi-blind channel Estimation.	Jan 2015 VOL 8 No.1	International	IJWMC
		4.Enhanced Channel Estimation for Spatial Multiplexing MIMO-OFDM System”	8-10 Jan 2015	International Conference (IEEE)	ICPC-2015 SCOE Pune
		5. Joint Channel Estimation and Data Detection for STBC MIMO OFDM Wireless Communication System	17 Feb. 2015,Vol.24. No.4 (2015)	Journal of Circuits, Systems, and Computers	World Scientific Publishing Company
		6.Reduced Complexity Tree Search Algorithms for MIMO Decoding	March 2015, Vol.10 no.4	International Journal	JCOMSS
4	Dr. P B Karandikar	1.Effect of Electrode Shape on the Parameters of Super capacitor-A Step towards Flexible Energy Storage devices	28 <sup>th</sup> – 30 <sup>th</sup> May 2015	International Conference (IEEE)	ICIC- 2015 , COEP pune
		2.Impact of MOs on HC	26-27 Feb 2015, pp 101-106.	2nd International conference on electronic communications systems	Coimbatore
		3 Neem tree based AC super capacitors, at,	05-07 March 2015, pp 92-96.	IEEE ICECCT 2015	Coimbatore
		4.Electrical and Mechanical aspects of motor selection in EV	19-20 Sept 2014	National conference on advances in Electronics and its interdisciplinary	Furrugson College, Pune

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				Applications	
		5.Development of carbon from neem tree leaves for supercapcitor applications	10-11 Jan 2015	National conference on Ancient Science and Technology, Retrospection and Aspirations	Furruguson College, Pune
		6.Intelligent self start unit using super capacitor	486/MUM/2015,Filed on 2015-02-16, Publication date 2015-04-10	Patent	Patent
		7.Laboratory test setup for testing model of wind turbine	485/MUM/2015,Filed on 2015-02-16, Publication date 2015-04-10	Patent	Patent
		8.Zero turning radius vehicle using wireless steering and modified differential gear system	2067/MUM/2014 A, Filed on 2014-06-26, Publication date 2014-07-18	Patent	Patent
		9.Automobile hybrid braking system	2068/MUM/2014 A, Filed on 2014-06-26, Publication date 2014-07-18	Patent	Patent
		10. Investigation of Carbon Material Derived From Leaves of Tree for the Electrodes of Super capacitor	vol 02, Issue 06, Sept 2014, pp 123-127	International	IJEERT
5	Mr. J B Jawale	1.Automatic Vehicle Counting and Classification	20-22 March 2015	National Symposium supported by IEEE student chapter	PICT, Pune
		2.Teleoperation for Mobile Robot	20-22 March 2015	National Symposium supported by IEEE student	PICT, Pune

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				chapter	
		3. Automatic Vehicle Counting and Classification	4 <sup>th</sup> April 2015	International Journal	IJIERE
6	Mr. K. Vijaykumar	1. Face and Palm Print Recognition System	4 <sup>th</sup> April 2015	International Journal	IJIERE
		2. Programmable Electronic Delay Detonator	19 <sup>th</sup> April 2015	International Conference	IRAJ Research Forum
7	Ms. SushmaWadar	1. Attendance Management System	26 <sup>th</sup> -27 <sup>th</sup> Feb. 2015	International Conference	ICECS -15, Coimbatore
		2. External Memory Interface with PIC Microcontroller	4 <sup>th</sup> April 2015	International Journal	IJIERE
8	Mr. Avinash Patil	1. Attendance Management System	26 <sup>th</sup> -27 <sup>th</sup> Feb. 2015	International Conference	ICECS -15, Coimbatore
		2. External Memory Interface with PIC Microcontroller	4 <sup>th</sup> April 2015	International Journal	IJIERE
9	Mrs. Renuka Bhandari	1. A literature Review on BSS Approaches for MIMO-OFDM Communication	26 <sup>th</sup> -27 <sup>th</sup> Feb. 2015	International Conference (IEEE)	ICCUBEA PCCOE Pune
		2. MEMS Based Safe Arm and Fire Device (SAM)	Volume 2, Issue 4, 2015, April 2015	International Journal of Innovative and Emerging Research in Engineering	IJIERE
10	Dr. Anita Jain	1. Internet of Things: A review”	4 <sup>th</sup> to 6 <sup>th</sup> March 2015	National conference	NCMOS 2015
		2. Study of Optimization parameters of Cellular Network	4 <sup>th</sup> to 6 <sup>th</sup> March 2015	National conference	NCMOS 2015
11	Ms. SnehalMarathe	1. Internet of Things: A review”	4 <sup>th</sup> to 6 <sup>th</sup> March 2015	National conference	NCMOS 2015
12	Ms. ShilpaPawar	1 Tracking of Left Ventricle Using Level Set Method Without Initialization	26 <sup>th</sup> April 2015	International Conference	IRAJ Research Forum
13	Ms. Preeti Warriar	Smart Reconnaissance System using Raspberry Pi	April 2015	International Journal	IJIERE



**DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING****Year : 2014-15****FACULTY AS RESOURCE PERSON**

<b>Sr #</b>	<b>Name Of The Staff</b>	<b>Topic of guest lecture</b>	<b>YEAR/DATE</b>	<b>Organizer</b>
1.	Dr. B P Patil	1. Dissertation work to ME students	28 <sup>th</sup> Jan.2015	GH Raisonni, Pune
2.	Ms. Surekha K S	1.Faculty Orientation Workshop TE (E&TC/Elex) Revised Syllabus on Micro Controller & Applications	12 <sup>th</sup> -14 <sup>th</sup> June 2014	MIT, BOS, University of Pune
		2.Computer Organization	26 <sup>th</sup> March 2015	D Y Patil Knowledge City Lohegaon
3.	Mr. G R Patil	1.Faculty Orientation Workshop TE (E&TC/Elex) Revised Syllabus on Digital Communication	12 <sup>th</sup> -14 <sup>th</sup> June 2014	WadiaCoE , BOS, University of Pune
		2. Faculty Orientation Workshop TE (E&TC/Elex) Revised Syllabus on Information Theory & Coding Techniques	11-13 <sup>th</sup> Dec. 2014	CCoEW, Pune, BOS, University of Pune
4.	Mr. J B Jawle	1. Faculty Orientation Workshop TE (E&TC/Elex) Revised Syllabus on Electrical Machines & Power Devices	12 <sup>th</sup> -14 <sup>th</sup> June 2014	MIT, BOS, University of Pune
5.	Mr. Avinash Patil	1.VHDL	23 <sup>rd</sup> -24 <sup>th</sup> Sep.2014	AIT, Pune
6.	Ms. R. Suryawanshi	1.Faculty Orientation Workshop TE (E&TC) Revised Syllabus 2012 course on "Discrete Time Signal Processing"	12 <sup>th</sup> Dec.2014	MIT, AOE Pune

# **DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING**

**Year : 2014-15**

## **Meetings Attended By Faculty**

- Dr. B P Patil attended ATB meeting at Sikandrabad on 11<sup>th</sup>& 12<sup>th</sup> March 2015.
- Dr. B P Patil invited as expert for UGCON at NMIET, Talegaon, on 24<sup>th</sup> March 2015.
- Ms. Surekha KS was judge for National Conference at DYP COE Akurdi on 9<sup>th</sup>& 10<sup>th</sup> Jan 2015
- Ms. Surekha K S was member of Local Inquiry Committee on JSPMNarhe Technical Campus on 12<sup>th</sup> Feb 2015.
- Mr. G R Patil was Chair for Sessions on Computer Networks,in third international conference -ICACCI- 2015, GalgotiasCoE, Greater Noida, India.
- Mr. Jitendra Jawale reviewed three papers in INDICON 2014 conference.

**DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING****Year : 2014-15****BOOKS PUBLISHED**

<b>SR NO</b>	<b>NAME OF STAFF</b>	<b>TITLE OF BOOK</b>	<b>MONTH/ YEAR</b>	<b>PUBLISHER</b>
1.	Dr. B P Patil	Compression of ECG signal using Hybrid technique	2014	Springer Book series (Chapter-Intelligent Systems in Science and Information-2014
2.	Ms. Surekha K S	Compression of ECG signal using Hybrid technique	2014	Springer Book series (Chapter-Intelligent Systems in Science and Information-2014
3.	Mr. G R Patil	1.Digital Communication	June-2014	Nirali Publication
		2.Information Theory & Coding Techniques	November 2014	Nirali Publication

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**Year : 2014-15**

## **RESEARCH GRANT FROM EXTERNAL AGENCIES**

1. Received research grant from Board of college & University development (BCUD), University of Pune, for the research project. Amount sanctioned is Rs. 1, 40,000 to Dr. B. P. Patil, Ms. Pragati Rana & Ms. D. Patil.
2. Received research grant from Board of college & University development (BCUD), University of Pune, for the research project. Amount sanctioned is Rs. 1, 40,000 to Mrs. Renuka Bhandari & Mr. G. R Patil.
3. Received research grant from Board of college & University development (BCUD), University of Pune, for the research project. Amount sanctioned is Rs. 1, 70,000 to Mrs. Rajashree Suryavanshi & Dr. B. P. Patil.
4. Received research grant from Board of college & University development (BCUD), University of Pune, for the research project. Amount sanctioned is Rs. 2, 00,000 to Dr. P B Karandikar.
5. Received research grant from Board of college & University development (BCUD), University of Pune, for the research project. Amount sanctioned is Rs. 1, 50,000 to Dr. P B Karandikar.