

Army Institute of Technology  
Department of Electronics & Telecommunication Engineering  
**Faculty Publications**

**YEAR: 2016-17**

Sr No	Name Of The Staff	Title Of Paper	Year/Date, Name of the journal Volume & Page No	National/ International Conference	Organizer
1.	Dr. B P Patil	Prioritized Sweeping Reinforcement Learning Based Routing for MANETs	Vol. 5, No. 2, Feb 2017, pp. 684 ~ 694 DOI: 10.11591/ijeecs.v2.i3.pp648-694	International Journal	Indonesian Journal of Electrical Engineering and Computer Science
2.	Dr. B P Patil	Flexible and Scalable Routing Approach for Mobile Ad Hoc Networks Based on Reinforcement Learning	Vol. 4 Issue 6 , June - 2017 e-ISSN: 2395 - 0056, p-ISSN: 2395-0072, Pages 1839-1842	International Journal	International Research Journal of Engineering and Technology (IRJET)
3.	Dr. B P Patil	Performance of MMSE channel equalization for MIMO OFDM system	Aug 2016	International Conference	International Conference on Computing Communication Control and automation (ICCUBEA), 2016
4.	Dr. B. P. Patil	Optimized Reinforcement Learning Based Adaptive Network Routing for MANETs	Global Journal of Pure and Applied Mathematics ISSN 0973-1768 Volume 12, Number 2 (2016), pp. 1413-1432 Nov 2016	National Journal	Research India Publications, Delhi
5.	Dr. B. P. Patil	Trellis coded mapping for peak to average power reduction in SFBC MIMO OFDM systems	Volume 7 Issue 3 Pages 1366-1372	International Journal	ICTACT Journal on Communication Technology
6.	Mrs. Surekha K S	Transform Based Techniques for ECG Signal Compression	ISSN 0973-4562 Volume 11, Number 9 (2016) pp 6139-6143	International Journal	IJAER
7.	Mrs. Surekha K S	Thread execution on embedded processor - ARM9 core in Embedded Linux environment	12-13 Aug. 2016, DOI: 10.1109/ICCUBEA.2016.7860109	International Conference	International Conference on Computing Communication Control and automation (ICCUBEA), 2016
8.	Mrs. Surekha K S	DSP based ECG Signal Acquisition Arrhythmia Detection	24 <sup>th</sup> -25 <sup>th</sup> March 2017	National Conference	National , UGCON 2017, MAE, Alandi
9.	Dr. G. R. Patil	Arduino Based Fall Detection and Tracking of elderly	July 2016 Vol-2, Issue-7	International Journal	Imperial Journal Of Interdisciplinary Research
10.	Dr. P. B. Karandikar	New Generation Fan Article	June 2016 No. 11	National Magazine	Cooling India Magazine June 2016
11.	Dr. P. B. Karandikar	Development of ultra-Capacitor based Starting System for Two Wheeler. (presented)	7 <sup>th</sup> Oct. 2016	Regional Conference	Regional Innovation 2016 SPPU
12.	Dr. P. B. Karandikar	Deicing of wind turbine blade by high frequency dielectric heating fabricating blade as a capacitor	April 2017	International Conference	International Conference on circuits Power and Computing Technologies [ICCPCT]
13.	Dr. P. B. Karandikar	Research test set up for wind turbine models	April 2017	International Conference	International Conference on Circuit, Power and Computing Technologies (ICCPCT), 2017

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14.	Dr. P. B. Karandikar	Mobile Applications in SCADA to increase reliability of electrical power system & utilities	11 <sup>th</sup> & 12 <sup>th</sup> Nov 2016	National conference	The Institution of Engineers (India) (in association with IEEE Pune Section)  NATIONAL Convention of Electrical Engineers and National Seminar on Sustainable Development in Indian Power Sector for The Next Decade
15.	Dr. P. B. Karandikar	Earthing : Facts & recent Trends	11 <sup>th</sup> & 12 <sup>th</sup> Nov 2016	National conference	
16.	Dr. P. B. Karandikar	Selection of Energy Storage System for Automobile, Telecommunications & Power Sector for sustainable Energy	11 <sup>th</sup> & 12 <sup>th</sup> Nov 2016	National conference	
17.	Dr. P. B. Karandikar	New Approach to Assess the insulation condition of condenser Bushing	11 <sup>th</sup> & 12 <sup>th</sup> Nov 2016	National conference	
18.	Dr. P. B. Karandikar	Innovative Ball milling Techniques for Electrode Materials processing in electrical energy Storage devices	11 <sup>th</sup> & 12 <sup>th</sup> Nov 2016	National conference	
19.	Dr. P. B. Karandikar	Study of output parameters of horizontal axis wind turbines using experimental test setup	July 2016	International Conference	International Conference on Power Electronics, Intelligent Control and Energy Systems (ICPEICES), IEEE
20.	Dr. P. B. Karandikar	A hybrid capacitor with an innovative double layer electrode	July 2016	International Conference	International Conference on Power Electronics, Intelligent Control and Energy Systems (ICPEICES), IEEE
21.	Dr. P. B. Karandikar	Laboratory set up for the study of the effect of vertical shear on horizontal axis wind turbine	July 2016	International Conference	International Conference on Power Electronics, Intelligent Control and Energy Systems (ICPEICES), IEEE
22.	Dr. P. B. Karandikar	Investigation into electrode material loading aspects of hybrid capacitor	July 2016	International Conference	International Conference on Power Electronics, Intelligent Control and Energy Systems (ICPEICES), IEEE
23.	Dr. P. B. Karandikar	Development of Three Electrode System for Optimizing the Parameters of Hybrid Capacitor	July 2017 Vol 9 Issue 26	National Journal	Indian Journal of Science and Technology
24.	Dr. P. B. Karandikar	Effect of ultrasonic treatment of various electrode materials on the parameters of supercapacitors	Oct 2016	International Conference	International Conference on Emerging Technological Trends (ICETT)
25.	Dr. P. B. Karandikar	Feasibility of energy storage systems in different applications for sustainable energy	Oct 2016	International Conference	International Conference on Emerging Technological Trends (ICETT)
26.	Dr. P. B. Karandikar	Experimentation for selection of electrode material and fabrication process for stacked type supercapacitor	Jan 2017	International Conference	International Conference on Inventive Systems and Control (ICISC)

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27.	Dr. P. B. Karandikar	Impact of vertical wind shear on wind turbine performance	April 2017	International Conference	International Conference on Circuit, Power and Computing Technologies (ICCPCT), 2017
28.	Dr. P. B. Karandikar	Sixth order model of wind turbine voltage flicker considering vertical wind shear	April 2017	International Conference	International Conference on Circuit, Power and Computing Technologies (ICCPCT), 2017
29.	Dr. P. B. Karandikar	Application of wind rose for wind turbine installation	April 2017	International Conference	International Conference on Circuit, Power and Computing Technologies (ICCPCT), 2017
30.	Dr. P. B. Karandikar	Innovative approach for increasing reliability in electronic cranking in two wheelers	April 2017	International Conference	International Conference on Circuit, Power and Computing Technologies (ICCPCT), 2017
31.	Dr. P. B. Karandikar	Challenges in Adopting UHV system for transmission of electricity	15 <sup>th</sup> Jan. 2017	International conference	2 <sup>nd</sup> International conference on Engineering Technology, Science and Management Innovation
32.	Dr. P B Karandikar	A broad review on desulfation of lead-acid battery for electric hybrid vehicle	June 2017, Vol23, Issue 6, pp 2263–2273	International <b>Journal</b>	Springer Microsystem Technologies
33.	Mr. J. B. Jawale Mr. K. Vijaykumar	Secret Image Transmission with Dynamic Cryptography	ISSN : 23938374Vol III Issue VI 2016	International <b>journal</b>	International journal of current Engineering and scientific research (IJCESR)
34.	Ms. S D Oza	Performance Analysis of Denoising Filters for MR Images	ISBN : 978-981-10-2629-4 (print) ISBN:978-981-10-2630-0 (online)	International Journal (Book)	Advances in Computing Applications, February 2017, @ Springer 2016
35.	Ms. S D Oza	Using OpenCV over Matlab for Implementing Image Processing Application on CUDA GPU to achieve better execution speedup.”	ISSN : 2278-0181 <b>DOI</b> : <a href="http://dx.doi.org/10.17577/IJERTV6IS040455">http://dx.doi.org/10.17577/IJERTV6IS040455</a> April 2017	International <b>Journal</b>	International Journal of Engineering Research & Technology (IJERT)
36.	Ms. S. Wadar Mr. Avinash Patil	Improved Algorithm for Floating Point Multiplication	978-1-5090-4620-1/161\$31.00(C) 2016 IEEE	International Conference	International Conference on Signal Processing, Communication, Power and Embedded System, organized by centurion university of Technology and Management Odisha
37.	Ms. S. R. Wadar Mr. Avinash Patil	Performance analysis of Multiplication Operation based on Vedic Mathematics <b>(Presented)</b>	21 – 22 October 2016	International Conference	2 <sup>nd</sup> IEEE sponsored International Conference on Control Computing, Communication & Material, organized by United CoE & Research , Allahabad
38.	Ms. S. R. Wadar Mr. Avinash Patil	External Memory Interface for RISC Controller on Reconfigurable H/ W Logic	2 <sup>nd</sup> -3 <sup>rd</sup> Dec.2016	International conference	IEEE sponsored International conference on Advances in Electronics,

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39.	Ms. S. R. Wadar Mr. Avinash Patil	Divison Operation based on Vedic Mathematics		International conference	Communication and Computer Technology, RSCOE, Pune
40.	Mrs. Renuka Bhandari	Blind Channel Estimation Using Novel Independent Component Analysis With Pulse Shaping for Interference Cancellation	09 June 2017 Volume 722 PP 45-57	International <b>Journal</b>	International Journal Springer
41.	Ms. Dhanashree Patil	Performance Evaluation of Indoor Positioning System (presented)	7 <sup>th</sup> October 2016	Regional conference	Innovation 2016 (Regional)
42.	Ms. Pragati Rana	Performance Evaluation of Indoor Positioning System (presented)	7 <sup>th</sup> October 2016	Regional conference	Innovation 2016 (Regional)