

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

**YEAR: 2015-16**

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	Performance Evaluation of Indoor Positioning System. (Poster)	1 July 2015 INNOVATION 2015	Regional Conference	Savitribai Phule Pune University
2.	Dr. B. P. Patil	BER analysis of PAPR reduction techniques in SFBC OFDM Systems: A Review	16-19 Dec 2015	International Conference	VIT Pune (IEEE)
3.	Dr. B. P. Patil	Optimized Reinforcement Learning Based Adaptive Network Routing for MANETs	May 2016 ISSN 0973-1768 Volume 12, Number 2 (2016), pp. 1413-1432	National Journal	Research India Publications, Delhi Global Journal of Pure and Applied Mathematics
4.	Dr. B. P. Patil	Adaptive Online Network Routing Algorithm Based on Reinforcement Learning	July 2015	National Conference	National Conference on Signal and Data Processing 2015
5.	Dr. B. P. Patil	Analysis of Reinforcement Based Adaptive Routing in MANET	June 2016 Vol. 2, No. 3, pp. 684 ~ 694 DOI: 10.11591/ijeecs.v2.i3.pp 648-694	International Journal	Published by Institute of Advanced Engineering and Science (IAES) Country : Indonesia
6.	Dr. B. P. Patil	Adaptive Routing for an Ad Hoc Network Based on Reinforcement Learning	2015 Volume 11, Issue 2, Article 3.	International Journal	International Journal of Business Data Communications and Networking (IJBDCN) Country: United States (070116-044600) (IF=0.11 for 2015, Cumulative IF: 0.725) H-Index 7
7.	Dr. B. P. Patil	Scalable Hybrid Speech Codec for Voice over Internet Protocol Applications	May 2016 Volume 7 Issue 4 Pages 190-197	International Journal	International Journal of Advanced Computer Science and Applications
8.	Mrs. Surekha K S	ECG Signal Compression Using the High Frequency Components of Wavelet Transform	Vol 7, No. 3, 2016	International Journal	IJACSA
9.	Mrs. Surekha K S	Bike Tracker	11/03/2016	National Conference	MIT AOE Alandi
10.	Mrs. Surekha K S	Implementation of Physical Web using BLE	11/03/2016	National Conference	MIT AOE Alandi
11.	Mrs. Surekha K S	Transform Based Techniques for ECG Signal compression	May 2016 Volume 11 No.9 ISSN 0973-4562	International Journal	IJARE Journal
12.	Mrs. Surekha K S	ECG Signal Compression Using the High Frequency Components of Wavelet Transform	May 2016 Volume 7 No.3	International Journal	IJACSA
13.	Dr. G. R. Patil	Study & Implementation of MIMO Based Wireless Communication System(Poster)	1 July 2015 INNOVATION 2015	Regional Conference	Savitribai Phule Pune University
14.	Dr. G. R. Patil	An Interactive Semi-blind Channel Estimation for MIMO Wireless communication System	March 2016 Vol 6 Issue 4, ISSN:2278-621X	International Journal	IJLTET
15.	Dr. G. R. Patil	Accident detection and messaging system technology	May 2016 Vol 3, Issue 5 Pg 710	International Journal	International Journal of Advance Engineering & Research Development

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16.	Dr. P. B. Karandikar	Comparative Performance of Supercapacitor and Fuel cell based UPQC.	June 2015 Vol 11 Issue 2,	International Journal	Journal of Electrical Systems
17.	Dr. P. B. Karandikar	A novel Neem based supercapacitor and its modeling using artificial neural network	Aug 2015 Pg:216-220 IEEE	International Conference	Power and Advanced Control Engineering (ICPACE), 2015 International Conference
18.	Dr. P. B. Karandikar	Generating and saving energy by installing wind turbines along the railway tracks	Oct 2015 Pg. 25-27 IEEE	International Conference	Energy Systems and Applications. International Conference on Energy Systems and Applications
19.	Dr. P. B. Karandikar	Prediction of power yield from wind turbines for hilly sites	Nov 2015 Pg.1-5 IEEE	International Conference	Future Energy Electronics Conference (IFEEC)
20.	Dr. P. B. Karandikar	Effect of Separator Thickness Variation for Supercapacitor with Polyethylene Separator Material	Mar-Apr 2016 Volume 2 Issue 2	International Journal	IJSRSET 2016
21.	Dr. P. B. Karandikar	Analysis of voltage flickers using laboratory test set up	Jan 2016	International Conference	Biennial International Conference on Power and Energy Systems: Towards Sustainable Energy (PESTSE), 2016
22.	Dr. P. B. Karandikar	Analysis of aqueous supercapacitor with various current collectors, binders and adhesives	Jan 2016	International Conference	Biennial International Conference on Power and Energy Systems: Towards Sustainable Energy (PESTSE), 2016
23.	Dr. P. B. Karandikar	Lead-acid battery for HEV using fuzzy controller and ultracapacitor	Jan 2016	International Conference	Biennial International Conference on Power and Energy Systems: Towards Sustainable Energy (PESTSE), 2016
24.	Dr. P. B. Karandikar	Electrode area based modeling of supercapacitor using artificial neural network	Jan 2016	International Conference	Biennial International Conference on Power and Energy Systems: Towards Sustainable Energy (PESTSE), 2016
25.	Dr. P. B. Karandikar	Symmetric and asymmetric supercapacitors derived from banyan tree leaves and rose petals	March 2016	International Conference	Conference on Electrical, Electronics and Computer Science (SCEECS), 2016 IEEE Students'
26.	Dr. P. B. Karandikar	An optimization of hybrid capacitor with respect to mass of electrode material	March 2016	International Conference	Conference on Electrical, Electronics and Computer Science (SCEECS), 2016 IEEE Students'
27.	Dr. P. B. Karandikar	Development of Ultra – Capacitor Based Starting System (Poster)	6 July 2015 INNOVATION 2015	Regional Conference	Savitribai Phule Pune University (DYPIEMR)
28.	Dr. P. B. Karandikar	Effect of Particle Size on the Parameters of Supercapacitor	15-17 Dec.2015	International Conference	IIT Bombay
29.	Dr. P. B. Karandikar	Development of Activated Carbon from Ashoka Tree	Feb 2016	National Journal	IEEMA Journal

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		Leaves for Super-capacitor			
30.	Dr. P. B. Karandikar	Formulation and Evaluation of various methods to improve earthings(poster)	6 July 2015 INNOVATION 2015	Regional Conference	Savitribai Phule Pune University (DYPIEMR)
31.	Mr. J B Jawale Mr Vijay Karra	Solar Panel Cleaning Bot for Enhancement of Efficiency-n An Innovative Approach	3 to 5 <sup>th</sup> March 2016	International Conference	Karunya University ICDCS
32.	Ms. Renuka Bhandari	Study & Implementation of MIMO Based Wireless Communication System(Poster)	1 July 2015 INNOVATION 2015	Regional Conference	Savitribai Phule Pune University
33.	Ms. Renuka Bhandari	Centralized Security System Based on IOT	June-2016 Vol 2 Issue 3, eIssn2395-1648	International Journal	IJARE Journal
34.	Ms. Renuka Bhandari	Wireless Network for Unmanned Ground Vehicle	May 2016 Vol 1 Issue 2	International Journal	IJARE Journal
35.	Ms. R. Suryawanshi	Performance Evaluation of Large MIMO (Poster)	1 July 2015 INNOVATION 2015	Regional Conference	Savitribai Phule Pune University
36.	Ms. R. Suryawanshi	Face Recognition Technology based Automated Attendance Systems	April 2016 Vol 3 Issue 4 2348-6406	International Journal	IJARED Journal
37.	Ms. Dhanashree Patil Ms. Pragati Rana	Performance Evaluation of Indoor Positioning System. (Poster)	1 July 2015 INNOVATION 2015	Regional Conference	Savitribai Phule Pune University
38.	Mr. Avinash Patil	Vedic Mathematics Based Multiplier Design	11 July 2015	National Conference	AIT Pune-15
39.	Mr. Avinash Patil	Brain storming conference on Remote Voting	20-21 July 2015	National Conference	CDAC, Pune
40.	Mr. Mahesh Patil	Speech Intelligibility Enhancement using wavelet Transform	11 July 2015	National Conference	AIT Pune-15
41.	Mr. K. Vijay Kumar	Secret Image Transmission using Carrier Image & Scan Patterns	May 2016 Vol 3 Issue 5	International Journal	IJCAT
42.	Mr. K. Vijay Kumar	Secret Image Transmission with Dynamic cryptography	May 2016 Vol 3 Issue 6 ISSN No. 2393-8374	International Journal	IJCAT
43.	Ms. Manisha Nilkanth	Fabrication of do it yourself Solar Kit: Democratizing solar Energy Applications.	Jan 2016	International Conference	Amrita School of engg. Bengaluru PESTSE 2016
44.	Dr. Anita Jain	IOT Based Theft Detection & Alarming System For Farm Equipment.	25- 27 Feb 2016	International Conference	ICI <sup>2</sup> TM
45.	Dr. Anita Jain	A Survey: Cardic Algorithm & its Wide Applications	17-18 Feb 2016	National Conference	DY Patil in col with SPPU
46.	Mr. Girish Kapse	Survey on Image Fog Reduction Techniques	April 2016 Vol 5, Issue 2	International Journal	IJACSA
47.	Mr. Girish Kapse	Technical Survey of Topics and Trends - Internet of Things	April 2016 Vol 5, Issue 2	International Journal	IJACSA
48.	Ms. Harjeet Kaur	Analysis of the SNR Estimator for Speech Enhancement Using a Cascaded Linear Model	2016 Vol. 7, No. 1,	International Journal	(IJACSA) International Journal of Advanced Computer Science and Applications