

ARMY INSTITUTE OF TECHNOLOGY
DIGHI HILLS, PUNE – 411 015

STAFF PROFILE



Name of Teaching Staff	Dr. B P Patil		
Designation	Principal		
Department	E&TC		
Date of Joining the Institution	02 May 2012		
Qualifications with Class/ Grade	BE (Electronics Engg.) First Class	ME (C&I) Honors	PhD - Electronics Tech.
Total Experience in Years	Teaching-21 Yrs	Industry -4 ½ Yrs	Research - Nil
Paper Published	National – 14	International – 34	
National	<u>List of Paper Soft Copy Attached</u>		
International			
Paper Published in Conference	National – 37	International – 40	
National	<u>List of Paper Soft Copy Attached</u>		
International			
PhD Guide? Give field & University	Yes -Wireless Communication -Sensor Network -Nonconventional Energy -Signal Processing		University- 1. Univ. of Pune, Pune 2. Indian School of Mines, Dhanbad 3. N M Univ. Jalgaon 4. Dr. BAM Univ. Aurangabad 5. Sathybhama Univ., Chennai
PhDs/Projects	<u>PhD Guided</u>		

Guided/Evaluated	PhD Completed – 04 PhD Submitted – 01 PhD Ongoing – 07																								
Books Published/ IPRs/Patents																									
Books	1.“Design of A Low Cost Wireless Sensor Network”, VDM, Verlag Dr. Mullar, Germany (ISBN-10:363926519) 2.Compression of ECG Signal Tech Intelligent Systems & Information 2014, Springer, (ISBN-978-3-319-14653-9)																								
IPRs	Nil																								
Patents	Patent Filed - 03 1. Indian Provisional patent filed on “As system and method for homography based hybrid mixture for rehab engineering” on 11/11/2014 (Application No. 3544/MUM/2014) 2. Indian Provisional patent filed on “Cost Effective Bot for Cleaning Solar Panel Array” on 28/08/2015 (Application No. 2662/DEL/2015) 3. Indian Provisional patent filed on “Multi level biometric security system for solar panel cleaning bot using personal authentication” on 26/07/2016 (Application No. E-01/33800/2016 -MUM)																								
Professional Memberships	Fellow of IETE Fellow of Institution of Engineers Life member of Indian Society Tech, Education Life member of Instrument Society of India																								
Consultancy Activities	Avlon Technologies, Pune Aditya Solar System																								
Awards	“Sir Thomas Ward memorial Medal” From Institute of Engg, Calcutta, in year 1999-2000																								
Grants Fetched	List of Research Funded Projects <table border="1"> <tr> <td>Title</td> <td>:</td> <td>DSP based Grid Connected Photovoltaic system for Electrical Appliances</td> </tr> <tr> <td>PI</td> <td>:</td> <td>Dr. B. P. Patil</td> </tr> <tr> <td>CI</td> <td>:</td> <td>Mahesh Goudar</td> </tr> <tr> <td>Funds</td> <td>:</td> <td>Rs. 1.5 Lakh</td> </tr> <tr> <td>Funding Body</td> <td>:</td> <td>Univ. of Pune, Pune</td> </tr> <tr> <td>No. of Years</td> <td>:</td> <td>Two</td> </tr> <tr> <td>Status</td> <td>:</td> <td>Completed</td> </tr> <tr> <td>Title</td> <td>:</td> <td>Capacity improvement through</td> </tr> </table>	Title	:	DSP based Grid Connected Photovoltaic system for Electrical Appliances	PI	:	Dr. B. P. Patil	CI	:	Mahesh Goudar	Funds	:	Rs. 1.5 Lakh	Funding Body	:	Univ. of Pune, Pune	No. of Years	:	Two	Status	:	Completed	Title	:	Capacity improvement through
Title	:	DSP based Grid Connected Photovoltaic system for Electrical Appliances																							
PI	:	Dr. B. P. Patil																							
CI	:	Mahesh Goudar																							
Funds	:	Rs. 1.5 Lakh																							
Funding Body	:	Univ. of Pune, Pune																							
No. of Years	:	Two																							
Status	:	Completed																							
Title	:	Capacity improvement through																							

		adaptive power control in CDMA
PI	:	B. K. Shiragpurkar
CI	:	Dr. B. P. Patil
Funds	:	Rs. 1.0 Lakh
Funding Body	:	Univ. of Pune, Pune
No. of Years	:	Two
Status	:	Completed
Title	:	Implementation of arithmetic unit using mathematics in FPGA
PI	:	Prabha Kasliwal
CI	:	Dr. B. P. Patil
Funds	:	Rs. 0.5 Lakh
Funding Body	:	Univ. of Pune, Pune
No. of Years	:	Two
Status	:	Completed
Title	:	Performance evaluation of Large MIMO
PI	:	Rajashree Suryawansi
CI	:	Dr. B. P. Patil
Funds	:	Rs. 1.7 Lakh
Funding Body	:	Univ. of Pune, Pune
No. of Years	:	Two
Status	:	Completed
Title	:	Performance evaluation of indoor positioning system (IPS)
PI	:	Dr. B. P. Patil
CI	:	Pragati Rana Dhanashri Patil
Funds	:	Rs. 1.4 Lakh
Funding Body	:	Univ. of Pune, Pune
No. of Years	:	Two
Status	:	Ongoing
Interactions with Professional		Indian School Of Mines , Dhandab Sathybhama Univ., Chennai North Maharashtra Univ., Jalgaon Bharat Forge, Pune KK Wagh College of Engg., Nasik SNJB College of Engg., Chandwad DY Patil Technical Campus, Lohegaon Aditya Solar System

LIST OF PAPERS

(Apr 2012- Aug. 2016)

INTERNATIONAL JOURNAL

1. Sonali Bhagwatkar, Prabha Kasliwal and B.P. Patil, "Performance of OFDM system with modified SLM Technique under fading channel", *International Journal of Science and Technology*, vol. 2, no. 2, pp. 33-38, Apr 2012. (http://www.ijst.co.in/papers/vol2issue2/ijst_120405.pdf)
2. Deepthi Kulkarni, B P Patil, M. D. Goudar, "Node failure Aware Tree-Clustered Routing Algorithm in WSN", *Journal of Télécommunication*, UK, Vol. 13, Issue 2, PP. 18-24, 2012. (<http://www.journaloftelecommunications.co.uk/volume-13-issue-2-april-2012>)
3. M. D. Goudar, B P Patil, V Kumar, "Adaptive MPPT based approach for single-phase AC Photovoltaic modules under partial shading conditions", *Int. J. of Electronics Communication and Computer Engineering*, (Online ISSN 2249-071X), Vol. 3, Issue (3) , pp. 362-365, May 2012. (http://www.ijecce.org/administrator/components/com_jresearch/files/publications/IJECCE_492_Final.pdf)
4. V.B.Malode, B.P.Patil, "Performance of Linear Block Coded OFDM system in BER and PAPR under different channels", *International Journal of Applied Information Systems (IJ AIS) – ISSN : 2249-0868 Foundation of Computer Science FCS, New York, USA, Vol. 3-No.4, pp. 6-12, July 2012.*(<http://research.ijais.org/volume3/number4/ijais12-450503.pdf>)
5. Varsharani V.Haibatpure, Prabha S. Kasliwal, B.P.Patil, "Performance Evaluation of Proposed Vedic Multiplier in Microwind", *International Journal of Communication Engineering Applications-IJCEA* <http://technicaljournals.org> ISSN: 2230-8520; e-ISSN: 2230-8539, Vol .03, Issue 03, pp. 498-502, July 2012 (**Thomson Impact Factor : 0.25**) (<https://www.scribd.com/document/124137839/project>)
6. V. N. Patil, B.P. Patil, N. G. Shimpi, Ashish Jha, "Proposed negative ion generation system" *International Journal of Applied Information Systems (IJ AIS) – ISSN : 2249-0868 Foundation of Computer Science FCS, New York, USA, Vol. 3-No.8, pp. 44-48, Aug. 2012.* (<http://research.ijais.org/volume3/number8/ijais12-450604.pdf>)
7. M. D. Goudar, B P Patil, V Kumar, "Neuro-Fuzzy Controller Algorithm for obtaining Maximum Power Tracking Point of Photovoltaic System for Dynamic Environmental Conditions", *Int. J. of Electrical and Electronics Engineering Research (IJEEER)* ISSN 2250-155X, Vol.2, Issue 3, pp. 1-11, Sept. 2012. (https://www.researchgate.net/publication/232417212_NEURO-FUZZY_CONTROLLER_ALGORITHM_FOR_OBTAINING_MAXIMUM_POWER_POINT_TRACKING_OF_PHOTOVOLTAIC_SYSTEM_FOR_DYNAMIC_ENVIRONMENTAL_CONDITIONS)
8. Bhagyashri A. Warhade, B P Patil, Prabha Kasliwal, "Effect Of Carrier Frequency Offset On SER of OFDM System", *Journal of Télécommunication*, UK ISSN: 2042-8839, Vol.2, Issue 1 , pp. 23-27, Jan. 2012. (<https://www.scribd.com/document/105696377/Effect-of-Carrier-Frequency-Offset-on-SER-of-OFDM-System>)
9. Manas Ray, Mahesh Chandra, B.P. Patil, "Evaluation of CDMA Microwave Links at Different Environments for VoIP Applications" *International Journal of Advanced Research in Computer and Communication Engineering (IJAREEIE)* ISSN 2278-8875 (Online Version) ISSN : 2278 – 1021 (Print Version), Vol. 1, Issue 8, pp. 508-512, Oct 2012. (http://www.ijarcce.com/upload/october/5_Evaluation%20of%20CDMA.pdf)
10. B P Patil, Rahul Desai, "Survey of On Demand Routing Protocols for Mobile Ad Hoc Network", *International Journal of Next Generation Computer Applications (IJNGCA)*, ISSN : 2319-524X, Vol.1, Issue 1, pp. 16-21, Sept. 2012. (<http://www.ijngca.com/Papers/IJNGCA09092012.pdf>)
11. Rahul Desai, B P Patil, "MANET with Q Routing Protocol", *International Journal of Emerging Technologies in Computational and Applied Sciences (IJETCAS)* ISSN (Print): 2279-0047 ISSN (Online): 2279-0055, Vol. 3, Issue 3, pp. 255-262, Dec.12-Feb.13. Impact factor count **1.237**, (<http://iasir.net/IJETCASpapers/IJETCAS12-382.pdf>)
12. Rahul Desai, B P Patil, "MANET with Q Routing Protocol", *Asian Journal of Information Technology* ISSN : 1682-3915 12(1), pp. 20-26, Jan 2013. Impact factor count **0138** (SJR) (<http://www.medwelljournals.com/abstract/?doi=ajit.2013.20.26>)

13. Pradnya M. Daflapurkar, B. P. Patil, "Performance Evaluation of WSN Parameters Using Reinforcement Learning: A Survey", International Journal of Technology and Engineering Science [IJTES] ISSN : 2320 – 8007, 1[9], pp. 1360-1365, Dec 2013. (http://www.ijtes.com/upload/3.Performance_Evaluation%20-%20pradkar@rediffmail.com.pdf)
14. Vijay N. Patil, B. P. Patil, N. G. Shimpi, "Effect of Negative Ionization on Egg Incubation and Burn Patient" Wulfenia Journal, Kaluenfurt, Austria. ISSN : 1561 – 882X, Vol.21 No. 4, pp. 125-141, Apr 2014. Impact factor **0.267** (Thomason Reuters) (<http://www.multidisciplinarywulfenia.org/auto/index.php/archive/part/21/4/2/?currentVol=21¤tiss ue=4>)
15. Prabha S. Kasliwal, V V. Haibatpure, B.P. Patil, "Performance Evaluation of 8 bit Vedic Multiplier", Wulfenia Journal, Kaluenfurt, Austria. ISSN : 1561 – 882X, 22 (2), pp. 308-316, Feb 2015. Impact factor **0.267** (Thomason Reuters) (https://www.researchgate.net/publication/289247163_Performance_Evaluation_of_8_bit_Vedic_Multiplier)
16. P.N. Kota, A.N. Gaikwad and B.P. Patil, "A Non-Uniform DFT-Spread Constellation Reforming Method for PAPR Reduction of OFDM Signals", CiiT International Journal of programmable devices and circuits and Systems Print: ISSN 0974 – 973X & Online: ISSN 0974 – 9624, Vol. 7, No. 4, pp. 103-107, April 2015. (<http://www.ciiiresearch.org/dl/index.php/pdcs/article/view/PDCS042015002>.)
17. Manas Ray, Mahesh Chandra and B.P. Patil, "Speech Coding Techniques for VoIP Applications: A Technical Review", World Applied Sciences Journal ISSN 1818-4952, © IDOSI Publications, 2015 DOI: 10.5829/idosi.wasj.2015.33.05.148, 33 (5), pp. 736-743, 2015. Impact factor **0.222** (SJR) ([http://www.idosi.org/wasj/wasj33\(5\)15/7.pdf](http://www.idosi.org/wasj/wasj33(5)15/7.pdf))
18. Surekha KS, BP Patil, "ECG signal compression using the high frequency components of wavelet transform", International Journal of Advanced Computer Science and Applications, Vol. 7, No. , pp. 311-315, 2016. Scopus Indexed, (<http://thesai.org/Publications/ViewPaper?Volume=7&Issue=3&Code=ijacsa&SerialNo=44>)
19. Manas Ray, Mahesh Chandra, B.P. Patil, "Scalable Hybrid Speech Codec for Voice over Internet Protocol Applications", International Journal of Advanced Computer Science and Applications, Vol. 7, No. 4, pp. 190-197, 2016. Scopus Indexed, (<http://thesai.org/Publications/ViewPaper?Volume=7&Issue=4&Code=IJACSA&SerialNo=24>)
20. Rahul Desai, B P Patil, "Adaptive Routing for an Ad Hoc Network Based on Reinforcement Learning", International Journal of Business Data Communications and Networking (IJBDCN) ISSN : 1548-0631, Vol.1, No. 2, pp. 41-54, July-Dec 2015. Impact factor **0.12** (SJR), (<http://www.igi-global.com/article/adaptive-routing-for-an-ad-hoc-network-based-on-reinforcement-learning/158965>)
21. Rahul Desai, B P Patil, "Optimized Reinforcement Learning Based Adaptive Network Routing for MANETS", Global Journal of Pure and Applied Mathematics (GJPAM), ISSN 0973-1768, Vol. 12 No. 2, pp. 1413-1432, 2016. Impact factor **0.222** (SJR), (http://www.ripublication.com/gjpam16/gjpamv12n2_20.pdf)
22. Rahul Desai, B P Patil, "Analysis of Reinforcement Based Adaptive Routing in MANET", Indonesian Journal of Electrical Engineering and Computer Science (ISSN: 2502-4752), Vol. 2, No. 3, pp. 684 -694, June 2016, DOI: 0.11591/ijeecs.v2.i3.pp648-694 Scopus indexed Impact factor 0.11 (SJR) , (<http://www.iaesjournal.com/online/index.php/TELKOMNIKA/article/view/10407>)

NATIONAL JOURNAL

1. V.N. Patil, B. P. Patil, N.D. Shimpi, Piyusha S. Bembalkar, "Automatic negative Air Ion Counter", IETE Journal of innovation and Research, Vol.1, Issue 1, pp. 10-12, Jun 2013. (https://www.researchgate.net/publication/272814270_Automatic_negative_Air_Ion_Counter)

INTERNATIONAL CONFERENCES/ SYMPOSIA

1. V Kumar, M. D. Goudar, B P Patil, "Neuro-Fuzzy Controller and Evolutionary Algorithm for Obtaining Maximum Power Tracking Point of Photovoltaic System", International conference on Energy and Power System Special Session, Dubai, UAE. 16-18 Jul 2012.

2. V.B.Malode, B.P.Patil, "BER performance of LBC coded OFDM in different channels", Control and System Graduate Research Colloquium (ICSGRC), 2012 IEEE held at Shah Alam, Selangor, Malaysia (DOI : 10.1109/ICSGRC.2012.6287144), pp. 106 – 110, 16-17 July 2012. (<http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=6287144&refinements=4225509793&refinements=4226254075&refinements=4226016337&refinements=4224135836&refinements=4225445882&refinements=4224330505&refinements=4226264598&refinements=4225534703&refinements=4225509794&refinements=4224882170&refinements=4224882169&refinements=4224510775&refinements=4224386921&searchWithin=%22First%20Name%22:B%20P&searchWithin=%22Last%20Name%22:Patil>)
3. Rahul Desai, B P Patil, "Survey of Proactive Routing Protocols for Mobile Ad Hoc Network", International Conference on Recent Trends in Information Technology and Computer Science (ICRTITCS - 2012), pp. 102 – 103, 17-18 Dec. 2012. (Impact Factor of IJCA is 0.82)
4. Surekha KS, BP Patil, "QRS Complex Compression of ECG Signal Using Hybrid Transform", Fourth International Conference on Recent Trends in Information, Telecommunication and Computing – ITC 2013, pp. 261-266, Aug 01-02, 2013. (<http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=6843000&refinements=4225509793&refinements=4226254075&refinements=4226016337&refinements=4224135836&refinements=4225445882&refinements=4224330505&refinements=4226264598&refinements=4225534703&refinements=4225509794&refinements=4224882170&refinements=4224882169&refinements=4224510775&refinements=4224386921&searchWithin=%22First%20Name%22:B%20P&searchWithin=%22Last%20Name%22:Patil>)
5. Patil V.N. Patil B.P. Shimpi N.D. Bembalkar P.S, "Programmable ion counter", Science and Information Conference (SAI), 2013 , held at London, pp. 685 – 688, 7-9 Oct. 2013. (<http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=6661815&refinements=4225509793&refinements=4226254075&refinements=4226016337&refinements=4224135836&refinements=4225445882&refinements=4224330505&refinements=4226264598&refinements=4225534703&refinements=4225509794&refinements=4224882170&refinements=4224882169&refinements=4224510775&refinements=4224386921&searchWithin=%22First%20Name%22:B%20P&searchWithin=%22Last%20Name%22:Patil>)
6. Rahul Desai, B P Patil, "Reinforcement Learning for Adaptive Network Routing", IEEE sponsored International Conference on Computing for Sustainable Global Development (IndiaCom 2014) – Bharati Vidyapeeth Institute of Applications and Management, Delhi, ISSN 0973-7529, ISBN 978-93-80544-10-6, pp. 936 – 940, 5 – 7 March 2014, (Impact Factor 0.11) (<http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=6828075&refinements=4225509793&refinements=4226254075&refinements=4226016337&refinements=4224135836&refinements=4225445882&refinements=4224330505&refinements=4226264598&refinements=4225534703&refinements=4225509794&refinements=4224882170&refinements=4224882169&refinements=4224510775&refinements=4224386921&searchWithin=%22First%20Name%22:B%20P&searchWithin=%22Last%20Name%22:Patil>)
7. Rahul Desai, B P Patil, "Analysis of routing protocols for Ad Hoc Networks", IEEE sponsored International Conference on Circuits, Systems, Communication and Information Technology Applications (CSCITA), 2014, DOI:10.1109/CSCITA.2014.6839244, pp.111-115, 4-5 April 2014, (Impact Factor 0.12) (<http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=6839244&refinements=4225509793&refinements=4226254075&refinements=4226016337&refinements=4224135836&refinements=4225445882&refinements=4224330505&refinements=4226264598&refinements=4225534703&refinements=4225509794&refinements=4224882170&refinements=4224882169&refinements=4224510775&refinements=4224386921&searchWithin=%22First%20Name%22:B%20P&searchWithin=%22Last%20Name%22:Patil>)
8. Surekha KS, BP Patil, "ECG signal compression using hybrid 1D & 2D Wavelet transform", IEEE Technically Co-Sponsored Science and Information Conference 2014, London UK, pp. 468-472, Aug 27-29, 2014. <http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=6918229&refinements=4225509793&refinements=4226254075&refinements=4226016337&refinements=4224135836&refinements=4225445882&refinements=4224330505&refinements=4226264598&refinements=4225534703&refinements=4225509794&refinements=4224882170&refinements=4224882169&refinements=4224510775&refinements=4224386921&searchWithin=%22First%20Name%22:B%20P&searchWithin=%22Last%20Name%22:Patil>)

9. Prabha S. Kasliwal , V V. Haibatpure, B.P. Patil, "Hardware Realization of Discrete Convolution Using CORDIC and Vedic Multiplier", IEEE Technically Co-Sponsored Science and Information Conference 2014, London UK, pp. 850-854, Aug 27-29, 2014. (<http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=6918284&refinements=4225509793&refinements=4226254075&refinements=4226016337&refinements=4224135836&refinements=4225445882&refinements=4224330505&refinements=4226264598&refinements=4225534703&refinements=4225509794&refinements=4224882170&refinements=4224882169&refinements=4224510775&refinements=4224386921&searchWithin=%22First%20Name%22:B%20P&searchWithin=%22Last%20Name%22:Patil>)
10. Rahul Desai, B P Patil, "Reinforcement Learning Approach for Ad Hoc Networks", 3rd International Conference on Recent Trends in Engineering and technology (ICRTET 2014) ISBN No.: 978-93-5107-220-1, Elsevier Publication 2014. pp. 16-21, 28-30 March, 2014. (http://www.elsevierst.com/conference_book_download_chapter.php?cbid=67#chapter3)
11. Rahul Desai, B P Patil, "Performance Analysis of Ad Hoc Routing Protocols", 3rd International Conference on Recent Trends in Engineering and technology (ICRTET 2014) ISBN No.: 978-93-5107-220-1, Elsevier Publication 2014, pp. 11-15, 28-30 March, 2014. (http://www.elsevierst.com/conference_book_download_chapter.php?cbid=67#chapter3)
12. Rahul Desai, B P Patil, "Cooperative Reinforcement Learning Approach for Routing in Ad Hoc Networks", International Conference on Pervasive Computing ICPC 2015, Advanced Communication technology and Application for Society. Conference ID: 34448, pp. 1-5, 08 – 10 Jan 2015. (<http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=7086962&refinements=4225509793&refinements=4226254075&refinements=4226016337&refinements=4224135836&refinements=4225445882&refinements=4224330505&refinements=4226264598&refinements=4225534703&refinements=4225509794&refinements=4224882170&refinements=4224882169&refinements=4224510775&refinements=4224386921&searchWithin=%22First%20Name%22:B%20P&searchWithin=%22Last%20Name%22:Patil>)
13. Reddy, S., Panchal, A. ; Shailendra, B.P. Patil, "Wired network services in mobile phones", 2nd International Conference on Electronics and Communication Systems (ICECS), 2015 held at Coimbatore, pp. 378 – 381, 26-27 Feb. 2015. (<http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=7124928&refinements=4225509793&refinements=4226254075&refinements=4226016337&refinements=4224135836&refinements=4225445882&refinements=4224330505&refinements=4226264598&refinements=4225534703&refinements=4225509794&refinements=4224882170&refinements=4224882169&refinements=4224510775&refinements=4224386921&searchWithin=%22First%20Name%22:B%20P&searchWithin=%22Last%20Name%22:Patil>)
14. V.B.Malode, B.P.Patil, "PAPR and BER performance of OFDM system using DQPSK modulation", International Conference on Communication and Network System (ICCNE 2015) held at Chaing Mai, Thailand, 22-23 Nov 2015.
15. P.N. Kota, A.N Gaiwad, B.P. Patil, "BER analysis of PAPR reduction techniques in SFBC OFDM system: A review", IEEE International Conference on Information Processing held at VIT, Pune, pp. 108 - 113, 16 - 19, Dec. 2015. DOI: [10.1109/INFOP.2015.7489360](https://doi.org/10.1109/INFOP.2015.7489360). (<http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=7489360&refinements=4225509793&refinements=4226254075&refinements=4226016337&refinements=4224135836&refinements=4225445882&refinements=4224330505&refinements=4226264598&refinements=4225534703&refinements=4225509794&refinements=4224882170&refinements=4224882169&refinements=4224510775&refinements=4224386921&searchWithin=%22First%20Name%22:B%20P&searchWithin=%22Last%20Name%22:Patil>)
16. J B Jawale, V K Karra, B.P. Patil, Puneet Singh, Shilender Singh, Saloni Atre, "Solar Panel cleaning bot for enhancement of efficiency – An innovative approach", IEEE 3rd International Conference on Devices, circuit and system (ICDCS'16) held at Karunya University, Coimbatore, 3-5 Mar 2016

NATIONAL CONFERENCES / SYMPOSIA

1. Rajashree P.Suryawanshi, B. P. Patil, "Comparative Study of SLM and PTS", National Conference on Electronic technologies (NCET'10) held at Goa COE, Farmagudi – Ponda Goa, pp. 103 – 107, 13-14 Apr 2012.

2. Surekha K.S, B. P. Patil, "Compression for ECG signals using Transform technique & R-R interval detection", National Conference on Electronic technologies (NCET'10) held at Goa COE, pp. 236 – 238, 13-14 Apr 2012.
3. V. N. Patil, B. P. Patil, N. G. Shimpi and Manoj Waghdarika, "Ion Spectrometer", National Conference on Electronic technologies (NCET'10) held at Goa COE, pp. 361 – 365, 13-14 Apr 2012.
- 4.** Rahul Desai, B. P. Patil, "Adaptive Online Network Routing Algorithm Based on Reinforcement Learning", National Conference on Signal and data processing 2015, AIT, Pune, pp. 39 – 44, 11 Jul 2015.