

## List of Publications For Academic Year 2018-19

Sr. No.	Name of the Faculty	Title of the Paper	Level	Name of the Journal / Conference	ISSN / ISBN	Indexing	Page No.
1	Dr. J. M. Nair	Low Cost High performance computer controlled system for Measurement of Ultracapacitor Characteristics	International	International Meeting on Energy Storage Devices (IMESD )- 2018, IIT Roorkee December 10-12 2018			
2	Dr. P. P. Vaidya	Low Cost High performance computer controlled system for Measurement of Ultracapacitor Characteristics	International	International Meeting on Energy Storage Devices (IMESD )- 2018, IIT Roorkee December 10-12 2018			
3	N. Gopalkrishnan	Low Cost High performance computer controlled system for Measurement of Ultracapacitor Characteristics	International	International Meeting on Energy Storage Devices (IMESD )- 2018, IIT Roorkee December 10-12 2018			
4	Jayassre Ramakrishnan	Low Cost High performance computer controlled system for Measurement of Ultracapacitor Characteristics	International	International Meeting on Energy Storage Devices (IMESD )- 2018, IIT Roorkee December 10-12 2018			

5	Sangeetha Prasanna Ram	A Case Study with 241Am(n, 2n) EXFOR data using Weighted Least Square Method	International	2018 Fourth International Conference on Computing Communication Control and Automation (ICCUBEA)		August 2018	
6	Dr. J. M. Nair	A Case Study with 241Am(n, 2n) EXFOR data using Weighted Least Square Method	International	2018 Fourth International Conference on Computing Communication Control and Automation (ICCUBEA)		August 2018	
7	Mrs.Kanchan Chavan	Time Pick off Circuit for Nuclear Timing Spectroscopy Applications	International	International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering (IJAREEIE)			
8	Mrs. Nilima Warke	New Method for Quantitative Estimation and improvement of Distortion free Dynamic range of Instrumentation Amplifier	International	International Journal of Research in Electronics and computer Engineering (IJRECE)	IJRECE VOL. 6 ISSUE 4 ( OCT-DEC 2018) ISSN: 2393-9028 (PRINT)  ISSN: 2348-2281 (ONLINE)		1582-1588
9	Dr. J. M. Nair	New Method for Quantitative Estimation and improvement of Distortion free Dynamic range of Instrumentation Amplifier	International	International Journal of Research in Electronics and computer Engineering (IJRECE)	IJRECE VOL. 6 ISSUE 4 ( OCT-DEC 2018) ISSN: 2393-9028 (PRINT)  ISSN: 2348-2281 (ONLINE)		1582-1588

10	Dr. P.P.Vaidya	New Method for Quantitative Estimation and improvement of Distortion free Dynamic range of Instrumentation Amplifier	International	International Journal of Research in Electronics and computer Engineering (IJRECE)	IJRECE VOL. 6 ISSUE 4 ( OCT-DEC 2018) ISSN: 2393-9028 (PRINT)  ISSN: 2348-2281 (ONLINE)		1582-1588
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Sr. No.	Name of the Faculty	Title of the Paper	Level	Name of the Journal / Conference	ISSN / ISBN	Indexing	Page No.
1	Dr. J. M. Nair	Analysis of characteristics of neutron shield materials and their effect in reducing the dose amount of different human tissues by simulation using Geant4	International	IEEE International Conference on Innovation, Information in Computing Technologies		22-23 February, 2018	14-19
2	Dr. J. M. Nair	High performance AC coupled Biomedical Signal Processing System using New Technique of Impedance steering with Synchronous Sampling and A/D Conversion	International	IEEE International Conference on Electronics, Telecommunication and Aerospace Technology	ISBN:978-1-5386-0965-1	<a href="https://doi.org/10.1109/ICECA.2018.8474618">DOI: 10.1109/ICECA.2018.8474618</a>	1082-1086

3	Dr. J. M. Nair	A Reasearch Grade Computer Controlled Light Source	International	IEEE International Conference on Smart City and Emerging Technologies, Mumbai		DOI: 10.1109 /ICSCET. 2018.8537239 Jan 2018	
4	Dr. J. M. Nair	High performance AC coupled Biomedical Signal Processing System using New Technique of Impedance steering with Synchronous Sampling and A/D Conversion	International	IEEE International Conference on Electronics, Telecommunication and Aerospace Technology	ISBN:978-1-5386-0965-1	<u>DOI: 10.1109 /ICECA. 2018.8474618</u>	1082-1086
5	Dr. J. M. Nair	A Stochastic Convergence Analysis of Random Number Generators as applied to Error Propagation using Monte Carlo method and Unscented Transformation Technique	International	IEEE International Conference on Signal Processing, Informatics, Communication and Energy Systems (IEEE SPICES 2017)	ISBN-978-1-5386-3864-4	10.1109 /SPICES. 2017.8091351	
6	Dr. J. M. Nair	<b>Pileup rejection using estimation technique for high resolution nuclear pulse spectroscopy</b>	International	<u>2017 International Conference on Intelligent Computing, Instrumentation and Control Technologies (ICICICT)</u>	ISBN: 978-1-5090-6106-8	10.1109 /ICICICT1. 2017.8342619 6-7 July 2017	
7	Dr. P. P. Vaidya	<b>Pileup rejection using estimation technique for high resolution nuclear pulse spectroscopy</b>	International	<u>2017 International Conference on Intelligent Computing, Instrumentation and Control Technologies (ICICICT)</u>	ISBN: 978-1-5090-6106-8	10.1109 /ICICICT1. 2017.8342619 6-7 July 2017	

<b>8</b>	Dr. P. P. Vaidya	A Reasearch Grade Computer Controlled Light Source	International	IEEE International Conference on Smart City and Emerging Technologies, Mumbai		DOI: 10.1109 /ICSCET. 2018.8537239 Jan 2018	
<b>9</b>	Dr. P. P. Vaidya	High performance AC coupled Biomedical Signal Processing System using New Technique of Impedance steering with Synchronous Sampling and A/D Conversion	International	IEEE International Conference on Electronics, Telecommunication and Aerospace Technology	ISBN:978-1-5386-0965-1	<u>DOI: 10.1109 /ICECA. 2018.8474618</u>	1082-1086
<b>10</b>	Mrs. Sangeetha Ram	A Stochastic Convergence Analysis of Random Number Generators as applied to Error Propagation using Monte Carlo method and Unscented Transformation Technique	International	IEEE International Conference on Signal Processing, Informatics, Communication and Energy Systems (IEEE SPICES 2017)	ISBN-978-1-5386-3864-4	10.1109 /SPICES. 2017.8091351	
<b>11</b>	Mrs. Sangeetha Ram	Analysis of characteristics of neutron shield materials and their effect in reducing the dose amount of different human tissues by simulation using Geant4	International	IEEE International Conference on Innovation, Information in Computing Technologies		22-23 February, 2018	14-19

<b>12</b>	Mrs.Kadambari Sharma	A Reasearch Grade Computer Controlled Light Source	International	IEEE International Conference on Smart City and Emerging Technologies,Mumbai		DOI: 10.1109 /ICSCET. 2018.8537239 Jan 2018	
<b>13</b>	Mrs. Nilima Warke	High performance AC coupled Biomedical Signal Processing System using New Technique of Impedance steering with Synchronous Sampling and A/D Conversion	International	IEEE International Conference on Electronics, Telecommunication and Aerospace Technology	ISBN:978-1-5386-0965-1	<u>DOI: 10.1109 /ICECA. 2018.8474618</u>	1082-1086
<b>14</b>	Mrs. Nilima Warke	Low Level Signal Processing System for PCB based Rogowski Coil	International	International Journal of Computational Intelligence Research	ISSN 0973-1873, Vol 14, NO.1(special issue)		65-69
<b>15</b>	Dr. M. D. Patil	Output regulation using new sliding surface with an implementation on inverted pendulum system	International	ELSEVIER European Journal of control		DOI :10.1016 /j.ejcon. 2018.09.011	<u>Volume 45. January 2019. Pages 85-91</u>

<b>16</b>	Dr. M. D. Patil	High Performance Super-twisting Control for State Delay Systems	International	International Journal of Control, Automation and Systems 16(5) (2018) 2063-2073	ISSN:1598-6446 eISSN: 2005-4092	DOI : 10.1007/s12555-017-0425-3	2063-2073
<b>17</b>	Dr. M. D. Patil	Output Tracking of Non-minimum Phase Systems via Reduced Order Sliding Mode Design	International	IEEE/ASME Transactions on Mechatronics ( Volume: 23 , Issue: 4 , Aug. 2018 )	Print ISSN: 1083-4435	<u>DOI: 10.1109/TMECH.2018.2836320</u>	1981 - 1992
<b>18</b>	Dr. M. D. Patil	Implementation of High Performance Non-linear Feedback Control on Magnetic Levitation System	International	Proceedings of '5th IFAC ACODS 2018', vol.51, no 1, pp. 13-18	Vol. 51, no 1	Issue 1, 2018, doi.org/10.1016/j.ifacol.2018.05.003	13-18
<b>19</b>	Deepti Khimani	Implementation of High Performance Non-linear Feedback Control on Magnetic Levitation System	International	Proceedings of '5th IFAC ACODS 2018', vol.51, no 1, pp. 13-18	Vol. 51, no 1	Issue 1, 2018, doi.org/10.1016/j.ifacol.2018.05.003	13-18

20	Deepti Khimani	High Performance Super-twisting Control for State Delay Systems	International	International Journal of Control, Automation and Systems 16(5) (2018) 2063-2073	ISSN:1598-6446 eISSN: 2005-4092	DOI : 10.1007/s12555-017-0425-3	2063-2073
21	Deepti Khimani	Implementation of Sliding Mode Control on Magnetic Levitation System	International	International conference on Advances in Computing, Communication and Control, 2017.	<b>Electronic ISBN: 978-1-5386-3852-1 1-2 December 2017</b>	10.1109/ICAC3.2017.8318763	

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Sr. No.	Name of the Faculty	Title of the Paper	Level	Name of the Journal / Conference	ISSN / ISBN	Indexing	Page No.
1	Dr. J. M. Nair	A Preliminary Examination of the Application of Unscented Transformation Technique to Error Propagation in Nuclear Cases of Nuclear Data Science	International	Nuclear Science and Engineering	ISBN - 0029-5639	dx.doi.org/10.13182/NSE 15-103 July 2016	356-370
2	Dr. J. M. Nair	A new method of reconfigurable ADC using calibrated programmable slopes	International	<u>Published in: 2016 International Conference on Communication and Electronics Systems (ICCES)</u>	ISBN: 978-1-5090-1066-0	DOI: 10.1109/ICESYS.2016.7889985 21-22 Oct. 2016	



3	Dr. P. P. Vaidya	A new method of reconfigurable ADC using calibrated programmable slopes	International	<u>Published in: 2016</u> <u>International Conference on Communication and Electronics Systems (ICCES)</u>	ISBN: 978-1-5090-1066-0	DOI: 10.1109 /CESYS. 2016.7889985 21-22 Oct. 2016	
4	Dr. P. P. Vaidya	High Resolution Wide Dynamic Range for Programmable Delay Generator for Applications in Timing Spectroscopy.	International	International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering	ISSN-23203767	Vol. 6, Issue 1, Jan-2017 DOI : 10.15662 /IJAREEIE. 2017.0601014	
5	Dr. P. P. Vaidya	Measurement of Parameters of Ultracapacitor.	International	2nd IEEE International Conference on Recent Trends in Electronics, Information & Communication Technology RTEICT-2017	IEEE XPLORE ISBN-978-1-5090-3704-9	DOI:10.1109 /RTEICT. 2017.8256915 May 19-20, 2017	
6	Mrs. Sangeetha Ram	Automated Blood cell counting and classification using Image Processing.	International	International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering	ISSN-23203765	Vol. 6, Issue 1, Jan-2017 DOI : 10.15662 /IJAREEIE. 2017.0601010	074-082
7	Mrs. Sangeetha Ram	Biomechanical Analysis of Human Upper Limb.	International	International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering	ISSN-23203765	Vol. 6, Issue 1, Jan-2017 DOI : 10.15662 /IJAREEIE. 2017.0601012	091-099
8	Mrs. Sangeetha Ram	EOG based study of Eye movement and its Applications in Drowsiness Detection.	International	International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering	ISSN-23203766	Vol. 6, Issue 1, Jan-2017 DOI : 10.15662 /IJAREEIE. 2017.0603112	1811-1818

9	Mrs. Kanchan Chavan	High Resolution Wide Dynamic Range for Programmable Delay Generator for Applications in Timing Spectroscopy.	International	International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering	ISSN-23203767	Vol. 6, Issue 1, Jan-2017 DOI : 10.15662 /IJAREEIE. 2017.0601014	
10	Mrs. Jayassre Ramakrishnan.	Measurement of Parameters of Ultracapacitor.	International	2nd IEEE International Conference on Recent Trends in Electronics, Information & Communication Technology RTEICT-2017	IEEE XPLORE ISBN-978-1-5090-3704-9	DOI:10.1109 /RTEICT. 2017.8256915 May 19-20, 2017	
11	Mr. Kader Shaikh	Smart Sensor Using Function Approximation	International	IEEE International Conference on Recent Trends In Electronics Information Communication Technology	ISBN-978-1-5090-3704-9	DOI: 10.1109 /RTEICT. 2017.8256793 May 19-20, 2017	
12	Mrs. Sangeetha Ram	A Preliminary Examination of the Application of Unscented Transformation Technique to Error Propagation in Nuclear Cases of Nuclear Data Science	International	Nuclear Science and Engineering	ISBN - 0029-5639	dx.doi.org/10.13182/NSE 15-103 July 2016	356-370

### List of Publications For Academic Year 2015-2016

Sr. No.	Name of the Faculty	Title of the Paper	Level	Name of the Conference	ISSN / ISBN	Indexing	Page No.
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1	Dr. P. P. Vaidya	Digital Meter for Measuring Capacitance of an Ultra-capacitor.	International	International Journal of Engineering Research and General Science, Nepal	ISSN-20912730	Volume 4, Issue 1, January-February, 2016	
2	Mrs. Sangeetha Ram	Design of High Resolution PC based Data Acquisition System.	International	International Journal of Engineering Research and General Science, Nepal	ISSN-20912730	Volume 3, Issue 4, July-August, 2015	
3	Mrs. Sangeetha Ram	Discrimination of Epileptic and Normal EEG Using Euclidean Distance Method.	International	International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering	ISSN-23203765	DOI: 10.15662/ijareeie.2015.0408044 August 2015	
4	Dr. M. D. Patil	<b>Sliding mode control with the reduced-order switching function: an SCB approach</b>		International journal of control Volume 88, 2015 - Issue 5		DOI: 10.1080/00207179.2014.989809	Pages 1089-1101
5	Mrs. Jayassre R.	Digital Meter for Measuring Capacitance of an Ultra-capacitor.	International	International Journal of Engineering Research and General Science, Nepal	ISSN-20912730	Volume 4, Issue 1, January-February, 2016	
6	Mrs. Kanchan Chavan	Time to Amplitude Converter for Phase Shift Detection	International	International Journal of Engineering Research and General Science	ISSN 2091-2730	Vol. 3, Issue 5, Sep-Oct, 2015.	
7	Mrs. Kadambari Sharma	Fiber Optic Sensor Technology for Non-Optical Parameter Measurement	International	International Journal of Engineering Research and General Science	ISSN 2091-2730	Vol. 3, Issue 5, Sep-Oct, 2015.	889-894

## List of Publications For Academic Year 2014-2015

SR. NO	NAME OF THE FACULTY	TITLE OF THE PAPER	LEVEL	NAME OF THE CONFERENCE	ISSN/ISBN	INDEXING	Google Link
1	Dr. J. M. Nair	Comparison of Electronic Realization of Fractional Order System Methods	National	44th Annual National Convention of ISTE			
2	Dr. P. P. Vaidya	Effect of Alfa Irradiation on Silicon Shottkey Diode Detector	International	IJRET : International Journal of Research in Engineering and technology	eISSN:2319-1163	<a href="http://esatjournals.net/ijret/2015v04/i04/IJRET20150404018.pdf">doi.org/10.15623/ijret.2015.0404018</a>	<a href="http://esatjournals.net/ijret/2015v04/i04/IJRET20150404018.pdf">http://esatjournals.net/ijret/2015v04/i04/IJRET20150404018.pdf</a>
3	Dr. P. P. Vaidya	Design and Development of Wearable Sensor Textile for Precision Agriculture	International	Communication Systems and Networks(COMSNETS)		DOI: 10.1109/COMSNETS.2015.7098714	<a href="http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&amp;number=7098714">http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&amp;number=7098714</a>

4	Mrs. Nilima Warke	Design and Development of Wearable Sensor Textile for Precision Agriculture	International	Communication Systems and Networks(COMSNETS		DOI: 10.1109 /COMSNETS. 2015.7098714	<a href="http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&amp;arnumber=7098714">http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&amp;arnumber=7098714</a>
5	Mr. M. D. Patil	Sliding Mode Control With The Reduced-Order Switching Function : An SCB Approach	International	International Journal of Control		10.1080 /00207179. 2014.989409	<a href="http://dspace.library.iitb.ac.in/xmlui/handle/100/18100">http://dspace.library.iitb.ac.in/xmlui/handle/100/18100</a>
6	Mr. M. D. Patil	Implementation of Internal Model Control For Flow Control Application	International	ICIIS : 9th International Conference on Industrial and Information Systems	Print ISBN: 978-1-4799-6499-4	DOI: 10.1109 /ICIINFS. 2014.7036510	<a href="http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&amp;arnumber=7036510">http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&amp;arnumber=7036510</a>
7	Mrs. Sangeetha Ram	Hardware Simulation of Speech Processor For Cochlear Implant	International	International Journal of Engg. Research and General Science Volume 3	ISSN 2091-2730		<a href="http://pnrsolution.org/Datacenter/Vol3/Issue3/124.pdf">http://pnrsolution.org/Datacenter/Vol3/Issue3/124.pdf</a>
8	Mrs. Sangeetha Ram	Design of PC Based Data Acquisition System	International	International Journal of Engg. Research and General Science Volume 3	ISSN 2091-2730		<a href="http://pnrsolution.org/Datacenter/Vol3/Issue4/43.pdf">http://pnrsolution.org/Datacenter/Vol3/Issue4/43.pdf</a>

9	Mrs. Sangeetha Ram	Discrimination of Epileptic and Normal EEG Using Euclidean Distance Method	International	International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engg.	ISSN : 2320-3765	DOI: 10.15662/ijareeie.2015.0408044	<a href="http://www.ijareeie.com/upload/2015/august/447_Discrimination.pdf">http://www.ijareeie.com/upload/2015/august/447_Discrimination.pdf</a>
10	Mrs. Dipti Khimani	Implementation of Internal Model Control For Flow Control Application	International	ICIIS : 9th International Conference on Industrial and Information Systems	Print ISBN: 978-1-4799-6499-4	DOI: 10.1109/ICIINFS.2014.7036510	<a href="http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&amp;arnumber=7036510">http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&amp;arnumber=7036510</a>