

**Number of quality publications in refereed/SCI Journals, citations, Books/Book Chapters etc.**

The year wise research publications and books of the staff members are listed in table 5.7.1.A.T.1 to 5.7.1.A.T.4 and the details of publications are filed in the department.

**Table 5.7.1.A.T.1 :Details of Research Publications (during Academic Year 2018-2019)**

Sl. No.	List of Authors	Title of the Paper	Journal Name	Year of Publication	ISBN/ ISSN/ Impact Factor	DOI
1	Dr.A.Narmada & Dr.P.Sudhakara Rao	RFID Integration with Wireless Sensor Networks	Research Journal of Engineering and Technology	June 2018	0976-2973 (Print) 2321-581X (Online)	10.5958/2321-581X.2018.00029.6
2	Dr.A.Narmada& Dr.P.Sudhakara Rao	Performance of IP-Based Wireless Sensor Network with 1-M Granularity Cartesian Terrain	International Journal of Applied Research on Information Technology and Computing	Aug 2018	0975-8089	10.5958/2321-581X.2017.00035.6
3	Dr.A.Narmada & Dr.P.Sudhakara Rao	Performance Comparison of RIPv2 and DSR protocols in customized ZigBee stack with 5 nodes	International Journal of Applied Research on Information Technology and Computing	Nov, 2018	0975-8089	
4	Dr. A. Narmada, Dr. P. Sudhakara Rao	Choosing Cluster Head in Artificially Intelligent Wireless Sensor Network	Research Journal of Engineering and Technology	Dec, 2018	0976-2973	
5	Mrs. MADHAVI, Et al	Dual band double cross monopole antenna with defected ground structure	IJET	2018	--	10.14419/ijet.v7i3.27.19264
6	Mrs. MADHAVI, Et al	Optimized Implementation of Fir Filter Based on Reconfigurable MAC Unit	IJMECE	Sep 2018	2321-2152	
7	Mr.BattariObulesu and Dr. P. Sudhakara Rao	Design and Implementation of Low-Power Memory-Less Crosstalk Avoidance Codes	Springer Nature Singapore Pte Ltd. 2018	2018	--	

		Using Bit-Stuffing Algorithms			---	
8	Mr. BattariObulesu and Dr. P. Sudhakara Rao	ASIC Implementation of Low Power Efficient Crosstalk Analytical by LUT-BED-CLA	International Journal of Intelligent Engineering & Systems	March 2018	2185-3118	10.22266/ijies2018.1031.12
9	Dr.M.Rakesh, et al.,	BLOCK CHAIN TECHNOLOGY	ICITSET-2018	SEP 2018		
10	Mr. J Sunil Kumar, et al.,	Design and Implementation of Low Power Bist Based Radix 4 Booth Multiplier Using FPGA	International Journal of Modern Electronics and Communication Engineering (IJMECE)	Sep 2018	2321-2152	--
11	Mr. J Sunil Kumar, Mr. E Nagaraju	An efficient comprehensive survey on Advanced algorithms for VLSI 3D Partitioning physical design automation	International Journal of Management, Technology And Engineering	Oct 2018	2249-7455	--
12	Mr.G.Ganesh Reddy	IoT Based Real Time Digital Led Notification Display Board using Node MCU via Telegram Messenger App	International Journal of Innovative Technologies	Dec 2018	2321-8665	--
13	Mr.G.Ganesh Reddy		International Journal of	Oct 2018		--

	Daily Faculty Classroom Attendance System Over College Website	Scientific Engineering and Technology research		2319-8885	

**Table 5.7.1.A.T.2 :Details of Research Publications (during Academic Year 2017-2018)**

Sl. No.	List of Authors	Title of the Paper	Journal Name	Year of Publication	ISBN/ ISSN/ Impact Factor	
1	Dr.A.Narmada&Dr.P.Sudhakara Rao	Performance of IP- Based Wireless Sensor Network with Cartesian Terrain	Research Journal of Engineering and Technology	JULY-SEP2017	ISSN 0976-2973 (Print) 2321-581X (online)	-
2	Dr.A.Narmada&Dr.P.Sudhakara Rao	Performance comparison of IP-based Wireless Sensor Network with 802.11	International Journal of Applied Research on Information Technology and Computing	Dec 2017	0975-8089	10.5958/0975-8089.2017.00032.X
3	Dr.A.Narmada&Dr.P.Sudhakara Rao	Average end-to-end delay of customized ZigBee stack	IEEE-PARCOMPTECH-2017	2017	978-1-5090-4145-9 (PoD)ISBN: 978-1-5090-4146-6	10.1109/PARCOMPTECH.2017.8068333
4	Mr. G. Rama Krishna, Mr.VijaykumarR.Urkude	Design and Development of Efficient Energy Consumption Based on Low Power Listening for WSN in Noisy Environments using with AEDP Protocol	International Journal of Electronics and Communication Ethics	Aug 2017	2457 – 0060	10.29126/24570060/IJECE-V11I4P1
5	Mr.G.Narendra Mr. N.Nagaraju	Algorithm Based security System for Banknotes	International Journal of Recent Advances In Electronics And Communication Engineering	2017	-	-

6	Mr. G. GANESH REDDY, et al.,	Design and Implementation of Live Video Streaming System Using Raspberry Pi with Cloud Server	International Journal of Scientific Engineering and Technology research	Feb 2017	2319-8885	--
7	Mr. Battari Obulesu and Dr. P. Sudhakara Rao	A low power low area crosstalk avoidance logic for 45nm ASIC applications	2017 International Conference on Intelligent Computing and Control (I2C2)	2017	-----	10.1109/I2C2.2017.8321826
8	Dr. M. Rakesh et al.,	Interference reduction in Wireless Communication using Adaptive Beam Forming Algorithm and Windows	International Journal of Pure and Applied Mathematics	2017	1314-3395	--
9	Dr. M. Rakesh et al.,	Design of Spiral Antenna Which Covers Ghz Frequency Ranges	International Journal for Modern Trends in Science and Technology	Jun 2017	2455-3778	-
10	Dr. N. Usha Rani, et al.,	A low power high efficient radio frequency clock generator for bio-implants	2nd International Conference on Electronics & communication Systems (ICECS)	2017	978-1-5090-5013-0	10.1109/CESYS.2017.8321300
11	Dr. N. Usha Rani, et al.,	Influence of Light Through Optical Glasses on Electroencephalogram	Indian Journal of Pharmaceutical Education and Research	Jun 2017	---	10.5530/IJPER.51.2S.50
12	Dr. N. Usha Rani, et al.,	Performance analysis of a 5G non-orthogonal waveform filter bank multi carrier	Electronic Government, an International Journal	2017	1740-7494	10.1504/EG.2017.087974
13	Dr. N. Usha Rani, et al.,	Hybrid Digital Image Watermarking using Contourlet Transform (CT), DCT and SVD	IJIP	2017	----	--

**Table 5.7.1.A.T.3 :Details of Research Publications (during Academic Year 2016-2017)**

Sl. No.	List of Authors	Title of the Paper	Journal Name	Year of Publication	ISBN/ ISSN/ Impact Factor	DOI
1.	Dr.A.Narmada&Dr.P.Sudhakar Rao	Customized ZigBee stack-Mathematical modeling	Recent Trends in Electronic and Communication Systems	2016	2393-8757	--=
2.	Dr.A.Narmada&Dr.P.Sudhakar Rao	Mathematical modeling of end-to-end-delay of ZigBee stack towards optimization of performance metrics	Recent Trends in Electronic and Communication Systems	2016	2393-8765	--
3.	Dr.A.Narmada&Dr.P.Sudhakar Rao	Mathematical Modeling of end-to-end delay of customized ZigBee stack towards optimization of performance metrics	Research Journal of Engineering and Technology	Dec 2016	0976-2973	10.5958/2321-581X.2016.00026.X
4.	Dr.A.Narmada&Dr.P.Sudhakar Rao	Adaptation Layer towards integration of ZigBee and IP stacks	IEEE-ICACDOT-2016	2016	978-1-5090-2080-5/16	10.1109/ICACDOT.2016.7877581
5.	Dr.A.Narmada&Dr.P.Sudhakar Rao	TCP/IP and ZigBee Middleware	IEEE-ICONSTEM-2016	2016	978-1-7717-6416-1/13	10.1109/ICONSTEM.2016.7560978
6.	Dr.A.Narmada&Dr.P.Sudhakar Rao	RFID Integration with Wireless sensor network	International Journal of Radio, Space and Aerospace Engineering	2016	0974-6589	--
7.	Dr.A.Narmada&Dr.P.Sudhakar Rao	Selection of cluster head in artificially intelligent WSN towards extending network life time and reducing energy consumption	Journal of Wireless communication, Networks and Mobile Engineering Technology	2016	0974-6760	--
8.	Mr.P.Harikrishna&Mr.A.Kranthikumar	An Internet-of-Things Enabled Connected Navigation System for Urban Bus Riders	International Journal of Innovative Technologies	Nov 2016	2321-8665	--
9.	Mr. P.Harikrishna ,& Mr. A.Kranthikumar	Allocation of Heterogeneous Resources of an IoT Device to Flexible Services	International Journal of Innovative Technologies	Dec 2016	2321-8665	--

10.	Mr. Vijaykumar R Urkude,et al.,	Semi Autonomous Hybrid Brain Machine Interface	IEEE International Conference on Electronics and Communication Systems	2016	-----	--
11.	Mr. Vijaykumar R. Urkude, et al.,	Travolution – An Embedded System in Passenger Car for Road Safety	International Journal & Magazine of Engineering, Technology, management and Research	Sep 2016	2348-4845	--
12.	Mr. Vijaykumar R. Urkude, et al.,	Design of Online Testing Approach for Fault Models in Reversible Circuits using Verilog HDL	International Journal & Magazine of Engineering, Technology, management and Research	Oct 2016	ISSN 2348-4845.	--
13.	Mr. Vijaykumar R Urkude , Dr. P. Sudhakara Rao	Low Power 2-D Mesh Network-on-Chip Router using Clock Gating Techniques	IOSR Journal of VLSI and Signal Processing (IOSR-JVSP)	Dec 2016	e-ISSN: 2319 – 4200, p-ISSN No. : 2319 – 4197	10.9790/4200-0606018591
14.	Mrs. B.MADHAVI ,et al.,	A NOVEL TRANSMISSION TECHNIQUE FOR INTERFERENCE MANAGEMENT AND MITIGATION IN 3GPP LTE-ADVANCED	Journal of Theoretical and Applied Information Technology	May 2016	1817-3195	--
15.	Dr.P.Sudhakara Rao et al.,	Low-Power Analog Bus for System-on-Chip Communication	Springer Science, Business Media Singapore 2016	2016	--	0.1007/978-981-10-0419-3_15
16.	Mr. Vijaykumar R Urkude , et al.,	Design of Online Testing Approach for Fault Models in Reversible Circuits using Verilog HDL	International Journal & Magazine of Engineering, Technology, Management and Research	Oct 2016	2348-4845	--
17.	Mr. Vijaykumar R Urkude , et al.,	Travolution - An Embedded System in Passenger Car for Road Safety	International Journal & Magazine of Engineering, Technology, Management and Research	Sep 2016	2348-4845	--
18.	Dr.N.UshaRani,,et al.,	Design and implementation of 6LoWPAN border router	<u>Thirteenth international Conference on Wireless and Optical Communications Networks (WOCN)</u>	2016	2151-7703	--

19.	Dr.N.UshaRani,,et al.,	Removal of ocular artifacts in EEG	<u>10th International Conference on Intelligent Systems and Control (ISCO)</u>	2016	978-1-4673-7807-9	10.1109/ISCO.2016.7726941
20.	Dr.N.UshaRani,,et al.,	Determination of coordinate transformations in UAVS	<u>Second International Conference on Cognitive Computing and Information Processing (CCIP)</u>	2016	978-1-5090-1025-7	10.1109/CCIP.2016.7802861
21.	Dr.N.UshaRani,,et al.,	Study of normal and abnormal EEG	<u>3rd International Conference on Advanced Computing and Communication Systems (ICACCS)</u>	Jan 2016	978-1-4673-9206-8	10.1109/ICACCS.2016.7586341
22.	Dr.N.UshaRani,,et al.,	UAV based smoke plume detection system controlled via the short message service through the GSM network	<u>International Conference on Inventive Computation Technologies (ICICT)</u>	2016	978-1-5090-1285-5	10.1109/INVENTIVE.2016.7824825
23.	Dr.N.UshaRani,,et al.,	Study on the Impact of Light on Human Physiology and Electroencephalogram	Journal of Biomimetics, Biomaterials and Biomedical Engineering	Jul 2016	2296-9845	10.4028/www.scientific.net/JBBE.28.36
24.	Dr.N.UshaRani,,et al.,	SER Analysis of Generalized Frequency Division Multiplexing under Various Real Time Fading Conditions	IJCTA	Nov 2016	0974-5572	--

**Table 5.7.1.A.T.4: Details of Research Publications (during Academic Year 2015-2016)**

Sl. No.	List of Authors	Title of the Paper	Journal Name	Year of Publication	ISBN/ ISSN/ Impact Factor	
1	Dr.A.Narmada&Dr.P.Sudhakar Rao	Zigbee Based WSN with IP Connectivity	Fourth International Conference on Computational Intelligence, Modelling and Simulation	2012	2166-8531	10.1109/CIMSim.2012.39