

**Madanapalle Institute of Technology & Science,  
Madanapalle-517325  
Department of Electronics and Communication Engineering  
Newsletter Report (Academic Year 2014-2015)**

**Workshop/Conference/Symposium/FDP Organized**

The list of faculties who have organized workshop in the academic year 2014-2015 are listed as follows:

<b>Date</b>	<b>Topic</b>	<b>Resource Person Name and Address</b>	<b>Organizer Name</b>
18th & 19th July 2014	A Two Day National Workshop on “Embedded Systems“	Rajesh Manikantan, Head corporate relations, SEMICHIP Solutions, Hyderabad and Venkat Narayan, technical lead, aricent technologies, Chennai.	Department of ECE, MITS
18th & 19th February 2015.	A Two Day National Conference on “Recent Trends in Signal Processing	Dr. S. Vardarajan, Professor S.V University College of Engineering and Dr. Ramana Reddy, Professor, RGM CET, Nandyal, Dr. S . Asif Hussain , AITS , Rajampet.	Dr. J.L Mazher Iqbal, Professor, E
11th March 2015	One day workshop on “Effective Research Methodologies”	Dr. Gaurav Sharma, Professor at the Electrical and Computer Engineering Department at the University of Rochester	Dr. S. A. K. Jilani, Professor
31st March 2015	Eclectica 2015: “A one Day National Level Technical Symposium and Project Expo”	MITSECA	ECE, MITS

**Hands on Training/ Awareness Programme**

The list of hands-on training/awareness programme organized by the ECE department in the academic year 2014-2015 are listed as follows:

1. A training program titled “Instructional design and delivery” i.e., pedagogy, five day training program was arranged for MITS faculty members under TEQIP-II from 22nd to 26th December 2014. The resource persons are Dr. E S M Suresh, Prof. and Head Dept. of Civil Engineering, NITTTR, Chennai and Dr. Malliga Senior, system Analyst, NITTTR Chennai.
2. ECE Department conducted a training program on “Electronics Systems Design-Challenges and Opportunities” on 01-11-2014. The resource person was: Dr. Cyril Prasanna Raj, Dean (R&D) and Professor, M.S. Engineering College, Bangalore.

3. A training program on “Optical Communication” under TEQIP-II was conducted for MITS faculties on 05-09-2014 by Dr.T. Srinivas, Associate Professor, IISc, Bangalore. The resource person is Dr.T. Srinivas, Associate Professor, IISc, Bangalore.

### List of Journal Publications

The faculties who have published journals during the academic year 2014-2015 are listed below:

Faculty Name	Title	Journal Name	ISBN / ISSN/DOI	Volume/ Date	Page Numbers	Scopus/Sc i GS-Citations	Paper Count
Dr A.R.Reddy, Professor & HOD	Radio Frequency Engineering of Fourth Generation Mobile Phone Networks For Long Term Evolution Advanced Specification	Proceedings of National Conference on Recent Trends in Signal Processing NCSP'15 conducted by ECE Department, MITS, Madanapalle	ISBN NO.978-93-85100-01-7	18 <sup>th</sup> and 19 <sup>th</sup> Feb.2015	113-119		1
	Performance Study of 4G Modulation Schemes with MIMO in Rician Channel	Proceedings of National Conference on Recent Trends in Signal Processing NCSP'15 conducted by ECE Department, MITS, Madanapalle	ISBN NO.978-93-85100-01-7	18 <sup>th</sup> and 19 <sup>th</sup> Feb.2015	168-177		2
Dr.S.A.K.Jilani, Professor	ARM 9 based finger print authentication system	Proceedings of National Conference on Recent Trends in Signal Processing NCSP'15 conducted by ECE Department, MITS, Madanapalle	ISBN NO.978-93-85100-01-7	18 <sup>th</sup> and 19 <sup>th</sup> Feb.2015	17-23		3
	Advanced Spy Camera Using Raspberry Pi	Proceedings of National Conference on Recent Trends in Signal Processing NCSP'15 conducted by ECE Department, MITS, Madanapalle	ISBN NO.978-93-85100-01-7	18 <sup>th</sup> and 19 <sup>th</sup> Feb.2015	246-250		4
	Video Stabilization Using Raspberry Pi	Proceedings of National Conference on Recent Trends in Signal Processing NCSP'15 conducted by ECE Department, MITS, Madanapalle	ISBN NO.978-93-85100-01-7	18 <sup>th</sup> and 19 <sup>th</sup> Feb.2015	74-78		5
Dr.J.L.MazherIqbal , Professor	3-D Image Reconstruction methods from 2-D Images	Proceedings of National Conference on Recent Trends in Signal Processing NCSP'15 conducted by ECE Department, MITS, Madanapalle	ISBN NO.978-93-85100-01-7	18 <sup>th</sup> and 19 <sup>th</sup> Feb.2015	99-103		6

	Intelligent Medicine Box for Medication Management using IoT	Proceedings of National Conference on Recent Trends in Signal Processing NCSP'15 conducted by ECE Department, MITS, Madanapalle	ISBN NO.978-93-85100-01-7	18 <sup>th</sup> and 19 <sup>th</sup> Feb.2015	120-126		7
	Elderly Abnormal Human Activity Recognition Based On Morphology and Hidden Markov Model Classifier	Proceedings of National Conference on Recent Trends in Signal Processing NCSP'15 conducted by ECE Department, MITS, Madanapalle	ISBN NO.978-93-85100-01-7	18 <sup>th</sup> and 19 <sup>th</sup> Feb.2015	224-229		8
Dr. Gautam Narayan Associate prof	Weathering a storm in space: Satellites and Space-weather	Proceedings of National Conference on Recent Trends in Signal Processing NCSP'15 conducted by ECE Department, MITS, Madanapalle	ISBN NO.978-93-85100-01-7	18 <sup>th</sup> and 19 <sup>th</sup> Feb.2015	286-290		9
Mr. S. Javeed Hussain Associate prof.	Analysis And Synthesis Of Barcode Using Image Processing	Proceedings of National Conference on Recent Trends in Signal Processing NCSP'15 conducted by ECE Department, MITS, Madanapalle	ISBN NO.978-93-85100-01-7	18 <sup>th</sup> and 19 <sup>th</sup> Feb.2015	63-68		10
Mr. M Jagadeesh Babu, Assoc. Professor	Bridge Structural Health Monitoring Using Wireless Sensor Networks	International Journal of Electronics and Communication Engineering (SSRG-IJECE)	ISSN: 2348 – 8549.	volume1 issue8 Oct 2014	42-45		11
	Design And Development Of Embedded System Based Multimedia Steganography	International Journal of Scientific Research and Engineering Studies (IJSRES)	ISSN: 2349-8862	Volume 1 Issue 3, September	55-58		12
Mr. B Sukumar Assoc. Professor	ARM 9 Based Intelligent System for Biometric Figure Authentication	TELKOMNIKA Indonesian Journal of Electrical Engineering	p-ISSN 2302-4046, e-ISSN 2460-7673	Volume 13 Number 2 – Feb 2015	209-214	SCOPUS/2 Citations	13

Mr. M.Sr eenath Reddy Asst.Professor	Design And Simulation of Solid State Power Amplifier For Radar Applications	Proceedings of National Conference on Recent Trends in Signal Processing NCSP'15 conducted by ECE Department, MITS, Madanapalle	ISBN NO.978-93-85100-01-7	18 <sup>th</sup> and 19 <sup>th</sup> Feb.2015	271-276		14
Mr. V.Sai Kumar, Asst. Professor	Battery powered heating and cooling suit	Proceedings of National Conference on Recent Trends in Signal Processing NCSP'15 conducted by ECE Department, MITS, Madanapalle	ISBN NO.978-93-85100-01-7	18 <sup>th</sup> and 19 <sup>th</sup> Feb.2015	235-240		15
	Modeling and Simulation of Cantilever Sensor Using COMSOL Multiphysics	International Journal and Magazine of Engineering, Technology, Management and Research	ISSN no:2348-4845	Vol 1 Issue 12 December 2014	6-8		16
Ms. C.K.Hemantha Lakshmi Asst.professor	Image processing based robotic arm control by using raspberry pi	Proceedings of National Conference on Recent Trends in Signal Processing NCSP'15 conducted by ECE Department, MITS, Madanapalle	ISBN NO.978-93-85100-01-7	18 <sup>th</sup> and 19 <sup>th</sup> Feb.2015	230-234		17
Mr. J.T.Pramod Asst.professor	Real Time Speech Denoising using Simulink and Beagle Bone Black.	International journal of core research in communication engineering	ISSN - 2349-7742	Volume no. 2 (2015), issue no. 02 (april)	1-7	1 Citation	18
Mr. S.Arun Asst.professor	Realization of Aging-Aware Reliable Multiplier Design Using Verilog HDL	Proceedings of National Conference on Recent Trends in Signal Processing NCSP'15 conducted by ECE Department, MITS, Madanapalle	ISBN NO.978-93-85100-01-7	18 <sup>th</sup> and 19 <sup>th</sup> Feb.2015	104-107		19
	Embedded System Based Air Pollution detection in vehicles	International Journal of Emerging Technologies in Computational and Applied Sciences (IJETCAS)	ISSN PRINT: 2279-0047, ISSN ONILE: 2279-0055,	ISSUE 12, VOLUME 3, MARCH-MAY 2015	286-289		20

Ms.G.NagaSwetha Asst. Professor	GSM Based Weather Monitoring System For Horticultural Field	Proceedings of National Conference on Recent Trends in Signal Processing NCSP'15 conducted by ECE Department, MITS, Madanapalle	ISBN NO.978-93-85100-01-7	18 <sup>th</sup> and 19 <sup>th</sup> Feb.2015	48-54		21
	Secure vehicle parking system and token issuing using thermal printer and arm9 processor2	Proceedings of National Conference on Recent Trends in Signal Processing NCSP'15 conducted by ECE Department, MITS, Madanapalle	ISBN NO.978-93-85100-01-7	18 <sup>th</sup> and 19 <sup>th</sup> Feb.2015	92-98		22
	GSM Based Greenhouse Monitoring System For Agricultural Field	International Journal of Professional Engineering Studies		Volume III/Issue3/SEP - 2014	185-188		23
	Design and Implementation of Intelligent Energy Monitoring System for Industrial Machines	International Journal of Emerging Technologies in Computational and Applied Sciences (IJETCAS)	e-ISSN:2279-0055 p-ISSN:2279-0047	September-November, 2014	399-405.		24
Mr. B.Vamsi Krishna Asst. Professor	ARDUINO based Wireless Security System for Emergency Reporting	Proceedings of National Conference on Recent Trends in Signal Processing NCSP'15 conducted by ECE Department, MITS, Madanapalle	ISBN NO.978-93-85100-01-7	18 <sup>th</sup> and 19 <sup>th</sup> Feb.2015	211-217		25
	Soil Moisture Sensor Design for Crop Management System by Using Cellular Communication	International Journal of Innovative Research in Science, Engineering and Technology,IJIRSET	ISSN (Online) : 2319 – 8753, ISSN (Print) : 2347 – 6710	Volume 4, Issue 1, January 2015	18937-18943		26
	Speech Recognition Module for Home Automation System Based On ZigBee	International Journal of Computer Science and Mobile Computing,IJCSMC	ISSN 2320-088X DOI: 10.15680/IJIRSET.2015.040106 9	Vol. 3, Issue. 8, August 2014	pg.737 – 744		27
Mr.M. Venkata Srinu Asst. Professor	A fast and novel method for car license plate detection using image processing	Proceedings of National Conference on Recent Trends in Signal Processing NCSP'15 conducted by ECE Department, MITS, Madanapalle	ISBN NO.978-93-85100-01-7	18 <sup>th</sup> and 19 <sup>th</sup> Feb.2015	197-210		28

	A Multi-Scale Image Enhancement Model using Human Visual System Characteristics	International Journal of Image, Graphics and Signal Processing	DOI:10.5815/ijigsp.2015.06.01	Vol. 6, 2015	1-9		29
Mrs. G. R. Hemantha Asst. Professor	Navigation for the Blind Using GPS along with Portable Camera Based Real Time Monitoring	SSRG International Journal of Electronics and Communication Engineering (SSRG-IJECE)	e-ISSN:2348 – 8549 p-ISSN:2349- 9184	volume1 issue8 Oct 2014	46-50		30
Mr.R.Ravindraiah, Asst. Professor	hard exudates detection in proliferative diabetic retinopathy using gradient controlled fuzzy c means clustering algorithm	GESJ:Computer Science and telecommunications 2014	ISSN 1512-1232.	No.4(44), dec 2014	27-31	1 Citation	31
	segmentation of diabetic retinopathy images through a subjective approach	GESJ:Computer Science and telecommunications 2014	ISSN 1512-1232.	No.4(44), dec 2014	32-34	4 Citations	32
G. Samba Siva Rao Asst.Professor	Design of Digital Systems using Adiabatic Techniques	Proceedings of National Conference on Recent Trends in Signal Processing NCSP'15 conducted by ECE Department, MITS, Madanapalle	ISBN NO.978-93-85100-01-7	18 <sup>th</sup> and 19 <sup>th</sup> Feb.2015	241-245		33
	Distributed Arithmetic Unit Design for Fir Filter	International Journal & Magazine of Engineering, Technology, anagement and Research	ISSN No: 2348-4845	Vol. 2, Issue. 2 February 2015	7-11		34
Mr. D.Bala Krishna Reddy Asst.professor	Portable Camera-Based Assistive Text and Product Label Reading from Hand- Held Objects for Blind Persons	Proceedings of National Conference on Recent Trends in Signal Processing NCSP'15 conducted by ECE Department, MITS, Madanapalle	ISBN NO.978-93-85100-01-7	18 <sup>th</sup> and 19 <sup>th</sup> Feb.2015	259-262		35
Mr. U. Sreenivasulu Asst. Professor	Impact of Timing Jitter & IQ Imbalance and Compensation of Timing Jitter in the OFDM System	International journal of scientific Engineering and Technology Research (IJSETR)	ISSN 2319-8885	Vol.04,Issue. 05 February- 2015	0860-0863		36
Mr. V. Satish Kumar, Asst. Professor	A Hybrid Model for Improving the Robustness of a Digital Video	International Journal of Engineering Research & Technology (IJERT)	ISSN: 2278-0181	Vol. 3, Issue. 09, Aug. – 2014	871-874		37

Mr. P.Sravan Kumar Asst. Professor	Comparative study of implementation of secant method and newtonraphson method in finding the optimum weight vector for adaptive systems	Proceedings of National Conference on Recent Trends in Signal Processing NCSP'15 conducted by ECE Department, MITS, Madanapalle	ISBN NO.978-93-85100-01-7	18 <sup>th</sup> and 19 <sup>th</sup> Feb.2015	263-270		38
	Hardware Implementation of OFDM Transmitter and Receiver Using FPGA	International Journal & Magazine of Engineering, Technology, Management and Research	ISSN No: 2348-4845	Vol. 2 , Issue. 3 Mar.2015	12-17		39
Mr.D.Girishkumar, Asst. Professor	Home Automation through E-Mail Using Raspberry Pi	Proceedings of National Conference on Recent Trends in Signal Processing NCSP'15 conducted by ECE Department, MITS, Madanapalle	ISBN NO.978-93-85100-01-7	18 <sup>th</sup> and 19 <sup>th</sup> Feb.2015	127-131		40
	2-D Object Extraction by using Color feature and KNN classification	International Journal of Engineering Research & Technology (IJERT)	ISSN:2278-0181	Vol. 3 Issue 10 October 2014	1146-1150		41
	An Embedded based Intelligence Auditorium System	Journal of Emerging Technologies and Innovative Research (JETIR)	ISSN-2349-5162	Vol 1 Issue 7 December 2014	805-812		42