



**MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE**  
(UGC-AUTONOMOUS)



Affiliated to JNTUA, Ananthapuramu & Approved by AICTE, New Delhi  
Recognized Research Center, Accredited by NBA, NAAC for CSE, ECE, EEE, ME & MBA  
World Bank Funded Institute, Recognized by UGC under the sections 2(f) and 12(B) of the UGC act 1956  
Recognized as Scientific & Industrial Research Organization by DSIR of DST

**Department of Electronics and Communication Engineering**

**Faculty Achievements (Academic Year 2015- 2016)**

**List of Funded Research Project Grants Received:**

The faculties who received grants for the Research projects in the academic year 2015-2016 are given below:

S. No	Name of the Principal Investigator	Sanctioned Letter Number with date	Funding Agency	Project Title	Duration of the Project	Total Sanctioned Amount	Status of Project
1.	Dr. J. L. Mazher Iqbal	File No. 43-295/2014(SR), dated:29.12.2015	UGC – SERO major Project	3DIntelligent Information System for Identifying Suspicious Activity	3 Years	Rs.3,70,000/-	Completed
2.	Dr.S.A.K.Jilani Dr.S.Javeed Hussain	File No.SR/CSRI/61/2015, dated:11.05.2016	DST-CSRI	Design and Development of Brain Test Adequacy System to Improve Cognitive Index of Young India Using Non-Invasive Brain Sensor and Artificial Neural Networks	3 Years	Rs.26,69,600/-	Ongoing

## List of Paper Publications:

The faculties who have published papers in various journals/conferences during the academic year 2015-2016 are listed below:

Faculty Name	Title	Journal Name	ISBN/ISSN/DOI	Volume/Date	Page Numbers	Scopus/Sci GS Citations
Dr A.R.Reddy, Professor & HOD	Design and Simulation of Timer Core Using SPARTAN-3E	Proceedings of National Conference on Wireless Communication Systems Conducted by Dept. of ECE, MITS, Madanapalle	ISBN-978-93-85100-27-7	Jan. 27 <sup>th</sup> – 28 <sup>th</sup> , 2016	63-66	--
	Design and Analysis of Integer Divider Using Non-Restoring Division Algorithm	Proceedings of National Conference on Wireless Communication Systems Conducted by Dept. of ECE, MITS, Madanapalle	ISBN-978-93-85100-27-7	Jan. 27 <sup>th</sup> – 28 <sup>th</sup> , 2016	163-167	--
	Implementation of 128-bit AES algorithm in MATLAB	International Journal of Engineering Trends and Technology (IJETT)	ISSN: 2231-5381	Volume 33 Number 3-March 2016	126-129	--
	Multi precision Arithmetic Adders	Proceedings of International Conference On Computer communication and Informatics (ICCCI-2016), Coimbatore, India.	ISBN No. 978-1-4673-6680-9/16 2016 IEEE	JAN. 07 – 09, 2016		--
	Performance Comparison of Network on Chip methods	Proceedings of International Conference On Innovations In Information Embedded And Communication System (ICIIECS'16)	ISBN no. 978-14673-8208-3/CFP1572Z-ART 2016 IEEE	Mar 17 2016		--
	Survey on Edge detection and characterization of Tumor in MRI	Proceedings of National Conference on Wireless	ISBN-978-93-85100-27-7	Jan. 27 <sup>th</sup> – 28 <sup>th</sup> , 2016	129-137	--

Dr. M.Thamarai, Professor	Images using Xilinx System generator.	Communication Systems Conducted by Dept of ECE, MITS, Madanapalle				
	Segmentation of Brain Tumor Affected cells using Simulink model.	Proceedings of National Conference on Wireless Communication Systems Conducted by Dept. of ECE, MITS, Madanapalle	ISBN-978-93-85100-27-7	Jan. 27 <sup>th</sup> – 28 <sup>th</sup> , 2016	205-210	--
	Analysis of Multi Spectral Image Compression.	Proceedings of National Conference on Wireless Communication Systems Conducted by Dept. of ECE, MITS, Madanapalle	ISBN-978-93-85100-27-7	Jan. 27 <sup>th</sup> – 28 <sup>th</sup> , 2016	274-277	--
	An Improved Image Fusion and segmentation using FLICM with GA for Medical Diagnosis	Indian Journal of Science and Technology	ISSN:0974-5645.	vol.9, Issue12, March 2016	1-10	SCOPUS
Dr. S.A.K.Jilani Professor	Smart Surveillance System using Thing Speak and Raspberry Pi	International Journal Of Advanced Research in Computer and Communication Engineering	Online ISSN:: 2278-1021 Print ISSN: 2319-5940	Vol. 4, Issue 7, July 2015	214-218	--
	Replication and Studyof Kapagene Generator	International Journal of Engineering Trends and Technology (IJETT)	ISSN:2231-5381	Volume 28 Number	116-122	--
	SMA's and their applications	Proceedings of National Conference onWireless Communication Systems Conducted by Dept. of ECE, MITS, Madanapalle	ISBN-978-93-85100-27-7	Jan. 27 <sup>th</sup> 28 <sup>th</sup> , 2016	123-128	--

	A Real-Time Image Mosaicing Using Scale Invariant Features Transform	Proceedings of National Conference on Wireless Communication Systems Conducted by Dept. of ECE, MITS, Madanapalle	ISBN-978-93-85100-27-7	Jan. 27 <sup>th</sup> – 28 <sup>th</sup> , 2016	192-196	--
	Teaching Methods of Braille Script	Proceedings of National Conference on Wireless Communication Systems Conducted by Dept. of ECE, MITS, Madanapalle	ISBN -978 -93 - 85100 - 27 - 7	Jan. 27 <sup>th</sup> – 28 <sup>th</sup> , 2016	211 -213	--
Dr. K. Sakthisudhan Sr. Assistant Professor	Certain Study on Improvement of Bandwidth in 3GHz Microstrip Patch Antenna Designs and Implemented on Monostatic Radar Approach for Breast Cancer Diagnosis in Microwave Imaging System	Journal of Circuits, Systems and Computers, Springer and World Scientific Publication	Print ISSN:: 0218 1266, Online ISSN:: 179 3 6454,	vol. 24, ISS UE No. 2, February, 2016	1650006-1- 32	SCOPUS
	A Roadmap to the Realization of Wireless Body Area Networks: A Review	IEEE International Conference on Electrical, Electronics & Optimization Techniques (ICEEOT) at DMI College of Engineering, Chennai	2016.: XPLORE COMPLIANT - CFP16E71 -ART - 978 - 1 - 4673 - 9939 - 5	3 rd - 5 th March, 2016.	439 -443	--
Dr. Dinesh Sharma,	Health Monitoring Systems by Wireless Sensor Network	Proceedings of National Conference on Wireless Communication Systems Conducted by Dept. of ECE, MITS, Madanapalle	ISBN -978 -93 - 85100 - 27 - 7	Jan. 27 <sup>th</sup> – 28 <sup>th</sup> , 2016	260 -264	--

Associate Professor	Survey on different Flight Data Recording System for Unmanned Aerial Vehicle	Proceedings of National Conference on Wireless Communication Systems Conducted by Dept. of ECE, MITS, Madanapalle	ISBN -978 -93 - 85100 - 27 - 7	Jan. 27th – 28th , 2016	269 -273	--
Mr. M Jagadeesh Babu, Assoc. Professor	Calculation of Path Losses at CM3 for Wireless Body Area Networks (WBAN) by using Different Types of Antennas	International Journal of Applied Engineering Research (IJAER)	Print ISSN: 0973-4562, Online ISSN: 1087--1090	Vol. 11 Issue 7 Apr. 2016	5210- 5217	SCOPUS
	Real Time Monitoring of Water Level Variations In Rivers and Flood Alerting System using Arm7	International Journal of Advanced Research in Computer and Communication Engineering	Online:2278- 1021 Print: 2319 5940 DOI: 10.17148/IJARCC E.2015.4 885	08/2015	392-396	--
Mr. B Sukumar Assoc. Professor	Application For Industrial Platform Using Iot Environment Through Wsn	International Journal of Advanced Research in Electronics and Communication Engineering	ISSN:2278 – 909X	Volume 4, Issue 12, Decemb er 2015	2855- 2859	--
	Prediction of Volcano Hotspots using an Improved Third Term Optical Back Propagation Algorithm	International Journal of Advanced Research in Electronics and Communication Engineering	ISSN:2278 – 909X	Volume 4, Issue 12, Decemb er 2015	2894- 2897	--
Mr. M. Sreenath Reddy Asst.Professor	Bank Locker System using Arduino	Proceedings of National Conference on Wireless Communication Systems Conducted by Dept. of ECE, MITS, Madanapalle	ISBN-978-93-85100-27-7	Jan. 27th – 28th , 2016	151-156	--
	Implementation Of Solid State Power Amplifier At 400MHZ	Proceedings of National Conference on Wireless Communication Systems Conducted by Dept. of ECE, MITS, Madanapalle	ISBN-978-93-85100-27-7	Jan. 27th – 28th , 2016	89 -93	--

Mr. V.Sai Kumar, Asst. Professor	Temperature Programmable Suit using Thermoelectric Cooler/Heater	SSRG International Journal of Electronics and Communication Engineering (SSRG -IJECE)	ISSN:2348 –8549	Volume 2 Issue 7 – July 2015	72 -75	--
	Arduino Home Automation Using IOT	Proceedings of National Conference on Wireless Communication Systems Conducted by Dept. of ECE, MITS, Madanapalle	ISBN-978-93-85100-27-7	Jan. 27th – 28th , 2016	253 -254	--
Ms. C.K.Hemantha Lakshmi Asst.Professor	Passenger friendly transport system using zigbee as communication medium	International Journal of Engineering Research - Online	ISSN:2321 -7758	Vol.3., Issue.5., 2015 (Sept. - Oct.)	491 -494	--
Mr. J.T.Pramod Asst.Professor	Survey of Speech Denoising Algorithms	Proceedings of National Conference on Wireless Communication Systems Conducted by Dept. of ECE, MITS, Madanapalle	ISBN-978-93-85100-27-7	Jan. 27th – 28th , 2016	235 -238	--
Mr. S.Arun Asst.Professor	Abnormal Human Activity Recognition using Scale Invariant Feature Transform	International Journal of Current Engineering and Technology	Online ISSN:: 2277 – 4106, Print: ISSN: 2347 – 5161	Vol.5, Issue .6 Dec 2015	3748 - 3751	--
	Traffic Control System using Hand Gesture Recognition	Proceedings of National Conference on Wireless Communication Systems Conducted by Dept. of ECE, MITS, Madanapalle	ISBN-978-93-85100-27-7	Jan. 27th – 28th , 2016		--
Mr. B.Vamsi Krishna Asst.Professor	ARDUINO Based Wireless Security System For Coal Mining Workers	International Journal of Advent Research in Computer and Electronics (IJARCE)	Online ISSN: 2348 - 5523	Vol. 2, No. 8, August 2015	28 -31	--

Dr. Purnima.K. Shar ma Sr. Asst. Professor	Digital Image Watermarking: An Approach by Different Transforms using Level Indicator.	2015 IEEE International conference on communication, control and Intelligent Systems (CCIS).	ISBN 978 - 1 - 4673 -7541 - 2/15	Nov. 07th - 08th 2015	277 -281	--
	Recent Developments in Wireless Technology	Proceedings of National Conference on Wireless Communication Systems Conducted by Dept. of ECE, MITS, Madanapalle	ISBN-978-93-85100-27-7	Jan. 27th – 28th , 2016	265 -268	--
	Channel Model Scenarios in Wireless Body Area Networks	Proceedings of National Conference on Wireless Communication Systems Conducted by Dept. of ECE, MITS, Madanapalle	ISBN-978-93-85100-27-7	Jan. 27th – 28th , 2016	288-294	--
Mr. R. Ravindraiah, Asst. Professor	Detection Of Exudates In Diabetic Retinopathy Images Using Laplacian Kernel Induced Spatial FCM Clustering Algorithm	Proceedings of National Conference on Wireless Communication Systems Conducted by Dept. of ECE, MITS, Madanapalle	ISBN-978-93-85100-27-7	Jan. 27th – 28th , 2016	157-162	--
Mr. D.Girishkumar, Asst. Professor	Home Automation through E- Mail Using Raspberry Pi	International Journal of Advanced Research in Electronics and Communication Engineering (IJARECE)	ISSN:2278 –909X	Volume 4, Issue 9, September 2015	2475-2480	--
Mr.P.R. Ratna Raju.K Asst. Professor	An Automated ThingSpeak System representing MPU6050 Sensor data using Raspberry PI	International Journal of Engineering Trends and Technology (IJETT)	ISSN:2231-5381 doi: 10.14445/22315381/IJETT- V29P206	Volume-29 Number-1: 2015	29-34	--

	Low Power Medium Gain Operational Transconductance Amplifier	Proceedings of National Conference on Wireless Communication Systems Conducted by Dept. of ECE, MITS, Madanapalle	ISBN-978-93-85100-27-7	Jan. 27th – 28th , 2016	225-228	--
Dr. M. Mahesh	Torn Paper Combining Using Binary Image Processing	Proceedings of National Conference on Wireless Communication Systems Conducted by Dept. of ECE, MITS, Madanapalle	ISBN-978-93-85100-27-7	Jan. 27th – 28th , 2016	239-246	--
Dr. Gautam Narayan, Assoc. Professor	Statistical analysis of Supersonic downflows in sunspot penumbrae.	IAU General Assembly	2015IAUGA..2254868K	Vol. 22 Aug 2015	54868	--
Mr. S.Javeed Hussain, Assoc. Professor	Real Time Object Counting using Raspberry pi	International Journal of Advanced Research in Computer and Communication Engineering	Online ISSN:: 2278-1021 Print ISSN::2319 5940	Vol. 4, Issue 7, July 2015	540-544	--
Ms.G.NagaS wetha Asst. Professor	ARM9 based driving license verification system	International Journal of Advanced Research in Electronics and Communication Engineering (IJARECE)	ISSN:2278 – 909X	Volume 4, Issue 8, August 2015	2111-2114	--
G. Samba Siva Rao Asst.Professor	Design and Simulation of Dual Band Planar Inverted F Antenna (PIFA) For Mobile Handset Applications	International Journal of Antennas (JANT):	ISSN:2455-7897	Vol.1, No. 1, 2015	37-48	--



	Design of Power Efficient Digital Systems Using Adiabatic Techniques	International Journal of Advanced Research in Electronics and Communication Engineering (IJARECE)	ISSN:22789X	Volume 5, Issue 1, January 2016	132-143	--
	Design of Low Power Incrementors Using Adiabatic Techniques	Proceedings of National Conference on Wireless Communication Systems Conducted by Dept. of ECE, MITS, Madanapalle	ISBN-978-93-85100-27-7	Jan. 27 <sup>th</sup> – 28 <sup>th</sup> , 2016	187-191	--
P.Sravan Kumar Asst. professor	Pilgrim identification system based on rfid	International Journal of Embedded & VLSI System	ISSN:2349 8129	Volume 4, Issue 8 Aug 2015	1-12	--
Mr. U. Sreenivasulu Asst. Professor	Automated Color Recognition System for Visually Challenged and Achromatopsia People using Arduino and Mobile App	International Journal of Advanced Research in Electronics and Communication Engineering (IJARECE)	ISSN:2278 – 909X	Volume 4, Issue 8, August 2015	2106-2110	--
	Achieving QOS requirements using evolutionary computation scheduling schemes in 802.16 networks	Journal of Theoretical and Applied Information Technology	ISSN:1992-8645	Vol. 83. No. 3 – 2016	345-352	SCOPUS

	Raspberry Pi Sense Hat Based Industrial Automation Using IOT	Proceedings of National Conference on Wireless Communication Systems Conducted by Dept. of ECE, MITS, Madanapalle	ISBN-978-93-85100-27-7	Jan. 27 <sup>th</sup> – 28 <sup>th</sup> , 2016	250-252	--
Mr. Issac Gabriel Asst. Professo	LOS Identification Using Wi-Fi	Proceedings of National Conference on Wireless Communication Systems Conducted by Dept. of ECE, MITS, Madanapalle	ISBN-978-93-85100-27-7	Jan. 27 <sup>th</sup> – 28 <sup>th</sup> , 2016	295-303	--
Mr. R. Madhu krishna Asst. Professor	Design of MIMO Fading Channel Models in SIMULINK for Different Modulation Schemes	Proceedings of National Conference on Wireless Communication Systems Conducted by Dept. of ECE, MITS, Madanapalle	ISBN-978-93-85100-27-7	Jan. 27 <sup>th</sup> – 28 <sup>th</sup> , 2016	307-313	--
Mrs. G.R.H emantha, Asst. Professor	Real-Time Face Detection On A Raspberry Pi Robot	Proceedings of National Conference on Wireless Communication Systems Conducted by Dept. of ECE, MITS, Madanapalle	ISBN-978-93-85100-27-7	Jan. 27 <sup>th</sup> – 28 <sup>th</sup> , 2016	255-259	--
	Biometric based globalized electronic voting Machine using arm	Proceedings of National Conference on Wireless Communication Systems Conducted by Dept. of ECE, MITS, Madanapalle	ISBN-978-93-85100-27-7	Jan. 27 <sup>th</sup> – 28 <sup>th</sup> , 2016	58-62	--

Mr. D.Bala Krishna Reddy	Massive MIMO: Issues and Challenges	Proceedings of National Conference on Wireless Communication Systems Conducted by Dept. of ECE, MITS, Madanapalle	ISBN-978-93-85100-27-7	Jan. 27 <sup>th</sup> – 28 <sup>th</sup> , 2016	197-200	--
	Effective Channel State Information (CSI) For MIMO Systems in Wireless Broadband Communications	Proceedings of National Conference on Wireless Communication Systems Conducted by Dept. of ECE, MITS, Madanapalle	ISBN-978-93-85100-27-7	Jan. 27 <sup>th</sup> – 28 <sup>th</sup> , 2016	201-204	--
Dr.J.L.Mazher Iqbal, Professor	IOT Based Intelligent Medicine Box	Proceedings of National Conference on Wireless Communication Systems Conducted by Dept. of ECE, MITS, Madanapalle	ISBN-978-93-85100-27-7	Jan. 27 <sup>th</sup> – 28 <sup>th</sup> , 2016		--
	Intelligent Medicine Box With Weight Management And Alerting	International Journal of Applied Engineering Research	Print ISSN 0973-4562. Online ISSN 1087--1090	Vol.10 Issue:87 Dec. 2015	139-145	SCOPUS
	Automatic Vehicle Accident Detection and Reporting With Black Box	International Journal of Applied Engineering Research	Print ISSN 0973-4562. Online ISSN 1087--1090	Vol.33 Issue:17 Jan. 2016	1-7	--
Dr. G. Hari Krishnan, Sr. Asst. Professor	Cerebrovascular disorder diagnosis using MR angiography	Biomedical Research	ISSN:0970-938X	Vol. 27 Issue No.2 2016	584-586	SCOPUS

	Heart Rate Extraction from Electrical Bioimpedance signa	BSSI2016, International Conference, IIT Madras		Feb 24 <sup>th</sup> - 26 <sup>th</sup> , 2016		--
Mr. M. Venkata Srinu, Asst. Professor	Real Time Car Parking System and Parking Fee Display Using Raspberry Pi	International Journal of Research	p-ISSN: 2348-6848 e-ISSN: 2348-795X	Volume 03 Issue 04 February 2016		--
Mr. L. Ashok, Asst. Professor	Biometric Method for Safe Driving and Security purpose	International Journal of Computational Science, Mathematics and Engineering (IJCSME)	E-ISSN-2349-8439, DOI: 10.18645/IJC SME.211.004	Volume-2 Issue11- November-2015		--
Dr. R.S.Rao, Asst Professor	Microwave Engineering	Book Second Edition, PHI	ISBN:978-81-203-5159-2	Sep.2015		--

### List of Guest Lectures and Seminars organized:

The list of faculties who have organized workshop in the academic year 2015-2016 are listed as follows:

Date	Name	Resource Person Name and Address	Organizer Name
6/8/2015	One day Guest lecture on Emerging trends in LiFi technologies	Dr. G. Hari Krishnan, Associate Professor, Department of Electronics and Communication Engineering, MITS	Department of ECE, MITS
14 /9/2015	One day Guest lecture on Effect of Laser in Communication Fundamentals	Prof. Basava Reddy, NTT Technologies, Bangalore.	Department of ECE, MITS
17/10/2015	One day Seminar on “Wireless Power Transmission Technology”	Dr. Roshan Kumar Assistant Professor, Dept. of ECE, MITS	Department of ECE, MITS
28/1/206	One day Guest lecture on Advanced Concepts in Web Technologies	Mr. Sarin, director of “GUPTHA Engineering Pvt. Ltd”, Cochin.	Department of ECE, MITS
28.03.2016	One-day Guest Lecture on “Automation and Control Systems” (ISTE student chapter on 28th March 2016 in coordination with the Industry Institute Interactive Cell (IIC) and sponsored by TEQIP-II)	Mr Bala Krishna Singam, Assistant Vice President, Essential Energy, Bangalore.	Department of ECE, MITS
30.3.2016	One day guest lecture on “Super Capacitors and their Applications”	Dr. I. Gopinath, BE, MS, Ph.D, working under SHAR center of ISRO.	Department of ECE, MITS
6/4/2016	One-Day Guest Lecture on “Microcontrollers & Applications (Coordination with the Industry Institute Interactive Cell (IIC) and sponsored by TEQIP-II)	Mr. Chetan R P, Director, ERT Tech. Services, Bangalore.	Department of ECE, MITS

**List of Conferences organized:**

<b>Date</b>	<b>Name</b>	<b>Resource Person Name and Address</b>	<b>Organizer Name</b>
27th – 28th January, 2016	A Two-Day National Conference on Wireless Communication Systems (Sponsored by DST-Science and Research Engineering Board, New Delhi)	Dr. M.Thamarai, Convenor NCWCS'16, <b>Chief Guest</b> Dr K R Venugopal, <b>Chair Person:</b> Dr. T Lalith Kumar, Associate Professor, Annamacharya Institute of Technology and Sciences, Kadapa Dr.T.Selvaraj, Associate Professor, Panimalar Institute of Technology, Chennai, Mrs V Komaladevi Yogananda Institute of Technology and Science, Tirupathi	Department of ECE, MITS

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**List of Symposiums organized:**

<b>Date</b>	<b>Name</b>	<b>Resource Person Name and Address</b>	<b>Organizer Name</b>
29.03.2016	One Day National Level Technical Symposium & Project Expo	ECE Department, MITS	ECE Department, MITS

**List of Workshops organized:**

<b>Date</b>	<b>Name</b>	<b>Resource Person Name and Address</b>	<b>Organizer Name</b>
30/05/2016 to 04/06/2016	A Six Day Workshop on VLSI Design	Dr. M. Thamarai, Convener of the workshop, Professor, ECE department MITS, Dr. V. Sreehari, and Mr. Sai Phaneendra P, BITS Pilani, Hyderabad Campus.	Dr. M. Thamarai, Professor and Mr. M. Karthikeyan, Assistant Professor, Dept. of Electronics & Communication Engg, MITS