

ABOUT MITS

Madanapalle Institute of Technology and Science (MITS) is an UGC-Autonomous Institute established in 1998 in the picturesque and pleasant environs of Madanapalle and is ideally located on a sprawling 30 acre campus on Madanapalle - Anantapur Highway (NH-205) near Angallu 10 km away from Madanapalle.

MITS is originated under the auspices of Ratakonda RangaReddy Educational Academy under the proactive leadership of Sri. N. Krishna Kumar, M.S.(U.S.A), Chairman and Dr. N. Vijaya Bhaskar choudary, M.Com., Ph.D Secretary & Correspondent of the Academy, MITS is governed by a progressive management that never rests on laurels and has been striving conscientiously to develop it as one of the best centers of Academic Excellence in India. The Institution's profile is firmly based on strategies and action plans that match changing demands of the nation and the students fraternity. MITS enjoys constant support and patronage of NRI's with distinguished academic traditions and vast experience in Engineering and Technology. The management keeps all efforts in developing the institution as one of the best centers of academic excellence.

ABOUT THE DEPARTMENT OF ECE

The Department of Electronics and Communication Engineering, since its inception, has been under dynamic progress and has been able to establish a good reputation in imparting quality education in Undergraduate, Postgraduate and PhD programmes. Keeping in view the technological advancements, the department is fortified by highly qualified and experienced faculty. The department is well equipped with modern laboratories such as Digital Signal Processing, IC applications, ECAD, Microprocessors & R & D labs. Our students pursue live projects in various latest fields of technology like Embedded Systems, VLSI, DSP, Image Processing, Robotics, etc., within the campus.

ABOUT Ni2 DESIGN

Ni2 Design is a pioneer in the EDA industry. The company designs, develop, manufacture and market a broad range of EDA tools and complete system solutions targeted at worldwide audience. The Ni2 range of products is developed with customer needs always in mind and not for the sake of innovation alone. Stated more plainly, it means that ni2 exists to provide real solutions for real customer problems that exist in the real world today. The Ni2 designs are not only the pioneers in the EDA industry, but are also recognized as the innovators to bring best methods and technologies supporting new emerging applications. Our diverse product portfolio serves applications in Microelectronics, VLSI, Embedded Systems, DSP, Power Analysis, Modeling & Simulation, and EM & Antenna Designs.

SCOPE OF THE WORKSHOP

This workshop has emphasis to provide a platform for interaction and to discuss about the recent advances, new paradigms, technological trends and challenges in the field of Smart Antenna design for MIMO Wireless Systems using CEM Solution. Also this workshop provides an excellent opportunity to exchange ideas on the topics of importance along with thought provoking technical sessions like Array Antenna designs and simulation, by eminent experts from EM companies like ni2 designs and ESI.

WHO SHOULD ATTEND

The faculties, final year UG students and PG students and PhD students from Engineering Colleges who have interest in EM, Antenna design & OFDM/MIMO/LTE Wireless Systems and those who are doing research in EM and Antenna design for wireless communication systems.

RESOURCE PERSONS

Dr. Pallapa Venkataram
Emeritus Professor, IISc

Dr. Ravinder David Koilpillai
Professor, IIT Madras

Dr. Mrinal Kanti Mandal
Professor, IIT Kharagpur

Mr. M. Sreenivasan
Scientist 'D', SAMEER

Dr. S. Chetan Kumar
Vice-President, CISCO

Mr. Sunil Kumar. V.
Managing Director, Vi Solutions

Mr. Hari Krishna G
Manager, Trident Techlabs

Mr. Saxena
Manager-RPD, NI Logic

Mr. Rafiq Ayub
Director, Digilog Technologies

Madanapalle Institute of Technology & Science

UGC - AUTONOMOUS

Approved by AICTE, New Delhi & Affiliated to JNTUA, Ananthapuramu

ORGANIZED BY

DEPARTMENT OF
ELECTRONICS AND COMMUNICATION ENGINEERING



www.mits.ac.in

Six Day Workshop

On

**"Smart Antenna Design and Analysis
for MIMO Wireless Systems"**

19th to 24th September 2016

SPONSORED

BY

TEQIP - II



REGISTRATION FORM

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE

UGC-AUTONOMOUS

Approved by AICTE, New Delhi and Affiliated to JNTUA,
Anantapuram P.B.No.14, Angallu, Madanapalle-517325,
Chittoor Dist. Andhra Pradesh
www.mits.ac.in Phone 08571-280255, 280706
Fax: 08571-280433

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Six Day Workshop On

“Smart Antenna Design and Analysis for MIMO Wireless Systems”

19th to 24th September 2016

Name:

Designation:

Institution:

Address for Communication:

Mobile No:

E-mail ID:

CATEGORY: (please tick in this box)

- Student
Academics
Industrialists

Signature of the Participant

Signature of the Principal with Seal

CONTACT ADDRESS

For any queries and to send completed registration forms:

Dr. D. Rajaveerappa

Professor and Convener, Department of ECE

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE

UGC-AUTONOMOUS

Approved by AICTE, New Delhi and Affiliated to JNTUA,
Anantapuram

P.B.No.14, Angallu, Madanapalle-517325, Chittoor Dist
Andhra Pradesh

www.mits.ac.in Phone 08571-280255, 280706

Fax: 08571-280433

Email ID: drrajaveerappad@mits.ac.in

COMMITTEE

Chief Patron

Dr. N. Vijaya Bhaskar Choudary Secretary & Correspondent

Patron

Sri. N. Krishna Kumar, M.S. (USA)
Chairman

Chief Coordinator

Dr. C. Yuvaraj, M.E., Ph.D
Principal

Coordinator

Dr. A. R. Reddy, M.Tech, Ph.D.
Professor and Head (ECE),

TEQIP – II Coordinator

Dr. V. Ramachandra Prasad
Professor & Head,
Department of Mathematics

Dr. G. Hampamma

Vice Principal - Administration

Sri. G. Sadasiva Prasad

Vice Principal - Admissions

Dr. B. Rama Kumar

Vice Principal - Academics

Dr. N. Kumara Swamy

Dean - RRC

Dr. Ch. Rama Prasada Rao

Dean - IIC

Co-Convener

Mr. M. Sreenath Reddy
Assistant Professor (ECE)

Convener

Dr. D. Rajaveerappa
Professor (ECE)

ORGANIZING COMMITTEE

Dr. S. A. K. Jilani

Dr. J. L. Mazher Iqbal

Dr. Thamarai

Dr. Gautam Narayan

Dr. S. Javeed Hussain

Dr. G. Hari Krishnan

Dr. Roshan Kumar

Dr. R. Velmani

Dr. Sathees Kumar Nataraj

Mrs. S. Usha Rani

Mr. M. Jagadeesh Babu

Mr. B. Sukumar

Mrs. G. R. Hemantha

Mr. P. R. Rathna Raju

Mr. U. Sreenivasulu

Mr. M. Karthikeyan

Mr. V. Sai Kumar

Mr. S. Arun

Ms. C. K. Hemantha Lakshmi

Mr. G. Sambasiva Rao

Mr. Shaik Khadarvali

Mr. J. T. Pramod

Mr. L. Ashok

Mr. B. Vamsi Krishna

Mr. M. Venkata Srinu

Mr. R. Ravindraiah

Mr. V. Satish Kumar

Mr. D. Girish Kumar

Professor

Professor

Professor

Assoc. Professor

Assoc. Professor

Sr. Asst. Professor

Sr. Asst. Professor

Sr. Asst. Professor

Sr. Asst. Professor

Asst. Professor

Asst. Professor

Asst. Professor

Asst. Professor

Asst. Professor

Asst. Professor

Asst. Professor

Asst. Professor

Asst. Professor

Asst. Professor

Asst. Professor

Asst. Professor

Asst. Professor

Asst. Professor

Asst. Professor

Asst. Professor

Asst. Professor

Asst. Professor

Asst. Professor

ECE DEPARTMENT TEACHING ASSISTANTS & NON-TEACHING STAFF

TOPICS TO BE COVERED

- Introduction to CEM Solution
- Basics of RF and Microwave Antennas
- Quick Design formulae for different Antenna
- Computation of Input impedance and radiation pattern of dipole, Antenna /Yagi-Uda Antenna at UHF band
- Computation of radiation pattern of monopole Antenna integrated at 500 MHz
- Computation radiation pattern of Antenna Arrays and Beam Forming Techniques
- Design and Analysis of Smart Array Antennas in Wireless MIMO System

REGISTRATION

Registration for the workshop can be done using the attached form or photo copy of the form. The completed form could be sent by post to the Convener. **The registration is restricted to first 30 participants only.**

FEE DETAILS

Teaching faculty (TEQIP): **No Registration Fee**

Industry/Non-TEQIP Teaching faculty delegates: **Rs. 1200/-**

Students (PG/PhD Scholars): **Rs. 600/-**

All DD should be drawn in favour of **Principal, Madanapalle Institute of Technology and Science, Madanapalle, Andhra Pradesh, India.**

IMPORTANT DATE

Last Date of Registration: **10th September 2016**



To

The Chairman of the Institute
The Principal of the Institute
The Concerned Heads of Departments in the Institute

Respected Sir/Madam,

Sub: Invitation to participate in a Six Day Workshop on “Smart Antenna Design and Analysis for MIMO Wireless Systems” – reg.

We have immense pleasure to inform you that our ECE department of MITS, Madanapalle has planned to conduct a Six Day Workshop On “Smart Antenna Design and Analysis for MIMO Wireless Systems” to be conducted during the period from 19th to 24th September 2016 and this program is SPONSORED BY TEQIP – II (AICTE-MHRD).

This particular workshop is being conducted for improving the knowledge of faculty members and research scholars in the latest technical advancement in wireless communication systems.

In this regard, we request you to depute your faculty members, PG Students and research scholars to register and attend the workshop.

The topics to be covered on each day of the week period are: [FN Session: Presentation on a Topic and AN Session: Hand on Training using Tools (S/W and H/W) relevant to the Topic covered in the FN Session]

- **Wireless MIMO Systems**
- **Smart Antennas**
- **Introduction to CEM Solution**
- **Basics of RF and Microwave Antennas**
- **Quick Design formulae for different Antenna**
- **Computation of Input impedance and radiation pattern of dipole, Antenna /Yagi-Uda Antenna at UHF band**
- **Computation of radiation pattern of monopole Antenna integrated at 500 MHz**
- **Computation radiation pattern of Antenna Arrays and Beam Forming Techniques**
- **Design and Analysis of Smart Array Antennas in Wireless MIMO System**

Please reply through our e-mail at the earliest with your registration form so that we can acknowledge your registration in this regard.

Thanking you,
Yours faithfully,

Dr. D. Rajaveerappa
Professor (ECE)
(Convener - Workshop)

Dr. A. R. Reddy
Professor and Head (ECE)
(Coordinator - Workshop)

Prof. (Dr.) C. Yuvaraj
Principal
(Chief Coordinator - Workshop)