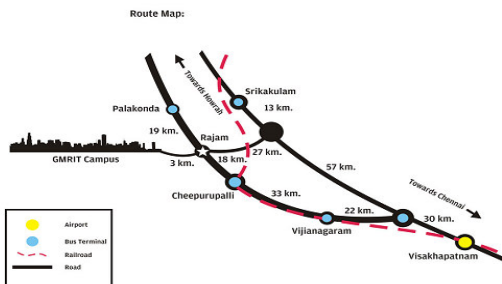


## INSTITUTION:

Established in the year 1997 under the aegis of GMR Varalakshmi Foundation, GMR Institute of Technology, an Autonomous Institution is a self-financing Engineering college approved by the All India Council for Technical Education (AICTE) and **Accredited by NAAC, NBA & ISO 9001-2008 certified Institution**, affiliated to Jawaharlal Nehru Technological University, Kakinada.

Located in Rajam, Srikakulam District of Andhra Pradesh, GMRIT provides its learning community state-of-the-art facilities, infrastructure and a competent faculty. The Institute encourages collaborative learning between industry and academia as a means of reinforcing its curriculum with practical and real world experiences.

## Route Map:



## ORGANISING COMMITTEE

### CHIEF PATRON

Dr. V. Raghunathan  
CEO- GMR Varalakshmi Foundation

### PATRON

Dr.Nagendra Parashar  
Director, Education -GMRVF

### CHAIRPERSON

Dr. C.L.V.R.S.V. Prasad  
Principal, GMRIT.

### ADVISORS

Dr.B.Biswal; Assoc. Dean R&D  
Dr. S.V.Ramana; Assoc. Dean Academics  
Dr.M.V.Nageswara Rao; Assoc. Dean F&SA

### CONVENERS

Mr.Shashikumar G. Totad  
HOD-CSE  
Mrs. Geeta R.B  
HOD-IT

### COORDINATOR

Mr. A. V.Ramana  
Associate Professor-IT

### MEMBERS

- CH.Srinubabu
- Mrs. K.Sudha
- V.Vasudha Rani
- S.VaniKumari
- V.Srinadh
- G.Veerajuu
- K.Laxmana Rao
- K.Swaroopaa
- M.Rama Chandra
- K.Jayasri

### MAILING ADDRESS

Mrs. Geeta R.B  
Assoc.Prof & Head  
Department of IT,  
GMR Institute of Technology,  
Rajam – 532 127  
Srikakulam (Dist), Andhra Pradesh  
Mobile : +91 9490345279  
Phone : +91 8941 – 251592, (Ex.139)  
Fax : +91 8941 – 251591, 252406  
e-mail : hod\_csit@amrit.org



## **A TWO-DAY WORKSHOP ON DESIGNING OF WIRELESS COMMUNICATION NETWORKS USING SIMULATORS (Feb 14<sup>th</sup> & 15<sup>th</sup> - 2014)**

Organized by

Department of Information Technology  
&  
Computer Science Engineering

**GMR INSTITUTE OF TECHNOLOGY**

**(An Autonomous Institution)**

**Affiliated to JNTUK-Kakinada**

**GMR Nagar, Rajam – 532 127**

**Srikakulam (Dist.)**

**Andhra Pradesh, INDIA**

*Visit us at [www.gmr.it.org](http://www.gmr.it.org)*

## Workshop Objective

The past decade has seen a surge in research activities in the field of wireless communications. This is due to the explosive growth in the field of Wireless Communications. We can build virtual networks in a lab environment to test, optimize, and integrate next generation network technologies at a fraction of the cost of deploying physical testbeds. QualNet, NS2/3 etc are the familiar simulators for wireless networks. QualNet is a fast, scalable and hi-fidelity network modeling software. NS-2 has been widely accepted as a proven tool for network simulation. NS-2 being an open source tool is useful to develop new protocols by modifying the back end C++ source codes.

The goal of this workshop is to introduce the new concepts at a level accessible to the professionals with a basic background in Networks.

### COURSE CONTENTS:

- Overview of wireless, sensor & Ad hoc networks.
- Cognitive Radio Communication N/W.
- Wireless networks Simulation using NS2
- Overview and Network Simulations using Qualnet.
- Performance Evaluation of various Routing Protocols in terms of QoS.
- Lab sessions

**RESOURCE PERSONS:** The course contents will be taught by eminent experts.

- QualNet Expert from Nihon Communication Solutions. Bangalore.
- Dr.S.Pallam.Setty, Professor Dept of CS&SE,A.U College of Engineering VSKP

## ELIGIBILITY

Faculty from Engineering Colleges Approved by AICTE and Research scholars.

**REGISTRATION:** Participants have to pay a non-refundable registration fee of Rs.1000/- (One Thousand Rupees) by a DD in favor of Principal, GMRIT, payable at Rajam (Andhra Bank or SBI) along with registration form. Registration form duly filled, shall reach the coordinator on or before Feb 5<sup>th</sup>-2014.

### Mr. A. V. RAMANA.

Coordinator,  
Workshop 'DWCNS-2014'  
Department of IT,  
GMR Institute of Technology,  
Rajam – 532 127  
Srikakulam (Dist), A.P.  
Mobile: +91 9440539954, 7396166763

E-mail: [venkataramana.a@gmrit.org](mailto:venkataramana.a@gmrit.org)  
: [hod\\_csit@gmrit.org](mailto:hod_csit@gmrit.org)

Note: Confirmation of the selected candidates will be sent through e-mail on or before 7<sup>th</sup> Feb-2014.

### BOARDING & LODGING

Registration fee includes Workshop Kit, Boarding and free Lodging for non-local participants during the period of entire program at GMRIT Campus, RAJAM.

## REGISTRATION FORM

### A TWO-DAY WORKSHOP ON DESIGNING OF WIRELESS COMMUNICATION NETWORKS USING SIMULATORS Feb 14<sup>th</sup> & 15<sup>th</sup>-2014

### REGISTRATION FORM

Participant's Name:

Qualification:

Department:

Organization:

Address for  
Communication:

Phone No. (O):  
(R):

E-mail:

Registration Fees: Rs.1000/- by DD in favor  
of Principal, GMRIT, RAJAM  
DD No : \_\_\_\_\_ Date: \_\_\_\_\_  
Accommodation required: **Yes/No**

Date: \_\_\_\_\_ Signature of Participant  
\_\_\_\_\_

### SPONSORSHIP CERTIFICATE

This is to certify that Mr. / Ms \_\_\_\_\_  
\_\_\_\_\_ is an employee of our  
institution since \_\_\_\_\_ years and is  
sponsored to attend the workshop on  
'Designing of Wireless communication  
networks using Simulators' at GMRIT, Rajam,  
Srikakulam Dist. during the period Feb 14<sup>th</sup> and  
15<sup>th</sup>-2014.

Place: \_\_\_\_\_ Signature of Head  
Date: \_\_\_\_\_ of the Institution