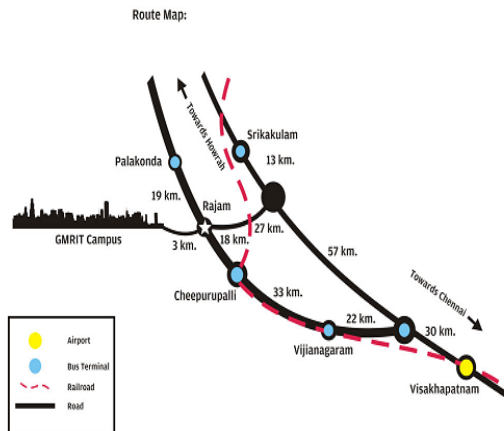


## INSTITUTION:

Established in the year 1997 under the aegis of GMR Varalakshmi Foundation, GMR Institute of Technology is a self-financing Autonomous Engineering college approved by the All India Council for Technical Education (AICTE), The institute is accredited by **NAAC with 'A' Grade**, All UG programs are accredited by **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

### PATRON

Dr. V. Raghunathan  
CEO- GMR Varalakshmi Foundation

### CHAIR PERSON

Dr. C.L.V.R.S.V. Prasad  
Rector & Principal

### CHIEF ADVISOR

Prof. B. S. Murthy,  
Dept. of MME., IIT Madras.

### ADVISORY-MEMBERS

Dr. Birendra Biswal, Prof. & Assoc. Dean (R & D)  
Dr. S.V.Ramana, Prof. & Assoc. Dean (A)  
Dr. M.V.Nageswara Rao, Prof. & Assoc. Dean (S & F)

### CONVENERS

Dr. V. Rambabu, HOD, Dept. of Mech. Engg.  
Dr. D. Krishna Rao, HOD, BS&H

### COORDINATORS

Dr. R. Umamaheswara Rao, Dept. Of Mech. Engg  
Dr. K. Koteswara Rao, Dept. Of BS&H

### MEMBERS

Dr. K. Prasada Rao  
Mrs. PNL Pavani  
Mr. G.V.S.S. Sharma  
Dr. K. Gouru Naidu  
Dr. M.V. Subba Rao  
Dr. D. Tejeswara Rao

### MAILING ADDRESS

Dr. R. Umamaheswara Rao  
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Mobile : +91-9703309675  
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e-mail : umr.r@gmrit.org



## Two-day National Workshop

On

**‘Advances in Nanomaterials:  
Processing, Characterization &  
Applications’**

**22<sup>nd</sup> – 23<sup>rd</sup> August, 2015**

Organized by

**Department of Mechanical Engineering  
&  
Department of Engg. Chemistry**

**GMR INSTITUTE OF TECHNOLOGY  
(An Autonomous Institute)  
Affiliated to JNTUK-Kakinada  
GMR Nagar, Rajam – 532 127  
Srikakulam (Dist.)  
Andhra Pradesh, INDIA**

Visit us at [www.gmrit.org](http://www.gmrit.org)

### **OBJECTIVE:**

The goal of this workshop is to enhance the knowledge of faculty, students and industry professionals in the area of Nano-materials and encourage scientific research in this fast growing field.

Nanomaterials are the cornerstones of nanoscience and nanotechnology. Nanoscience and technology is a broad and interdisciplinary area of research and development activity that has been growing explosively worldwide in the past few decades. It has the potential for creating new materials with diverse functionality and products in numerous fields such as catalysis, sensors, energy, environmental monitoring, engineering and medicine.

This workshop discusses the various fabrication methods and characterization tools of nanomaterials. Fabrication of nanomaterials with strict control over size, shape, and crystalline structure has become very important for the applications of nanotechnology in numerous fields. Rapid progress in nanotechnology is enabled by the arrival of sophisticated tools, capable of characterizing, viewing and manipulating materials on the nanoscale. This workshop also provides a platform for meeting teaching faculty of engineering colleges with eminent resource persons from various disciplines of Nano Science /Technology.

### **Workshop covers:**

- Introduction to Nano Materials and Nano Technology
- Nano fabrication methods & characterization tools
- Nano composites & Carbon Nano Tubes
- Chemical synthesis and processing of Nanomaterials
- Nano blended fluids, lubricants
- Recent applications of Nanotechnology

### **CHIEF GUEST & KEY NOTE SPEAKER:**

**Prof. K. Hanumantha Rao,**  
Director, RGUKT Nuzvid.

### **GUEST OF HONOUR & KEY NOTE SPEAKER:**

**Prof. B. S. Murthy,**  
Dept. of MME., IIT Madras.

### **RESOURCE PERSONS:**

1. **Dr. P.K. Jain,**  
Scientist "F" & Team Leader, ARCI  
Hyderabad.
2. **Dr. K.Ramji,**  
Professor, Dept. of Mech.Engg., A.U  
Visakhapatnam.

### **ELIGIBILITY:**

Faculty members of any branch of Engineering /Engineering Physics & Chemistry / Researchers / Practicing Engineers/PG students are eligible.

### **REGISTRATION:**

Ph.D. Scholars & Faculty  
from Academic Institutions : Rs. 1000/-

Participants from Industry &  
Research Institutions : Rs. 1500/-

Participants can register by sending the registration form along with Demand Draft in favour of "Principal, GMRIT" payable at Rajam and it should reach on or before **19<sup>th</sup> August, 2015** to the workshop coordinator mailing address.

### **BOARDING & LODGING**

The registration fee includes Registration Kit, boarding & lodging during their stay at GMRIT, RAJAM. However on campus accommodation will be provided on first cum first basis subject to availability .

### **REGISTRATION FORM**

#### **Two-day National Workshop**

**On**  
**'Advances in Nanomaterials: Processing,**  
**Characterization & Applications'**

22<sup>nd</sup> – 23<sup>rd</sup> August, 2015

Participant's Name:

Qualification:

Department:

Organization:

Address for  
Communication:

Phone No. (O):  
(R):

e-mail :

Registration fee : Rs -----/- by DD in favour of  
"Principal, GMRIT" .

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  
\_\_\_\_\_ and is hereby sponsored to attend the Workshop  
on 'Advances in Nanomaterials: Processing, Characterization  
& Applications' at GMRIT, Rajam, Srikakulam during the  
period 22<sup>nd</sup> – 23<sup>rd</sup> August, 2015.

Place: Signature

Date: Head of the Institution