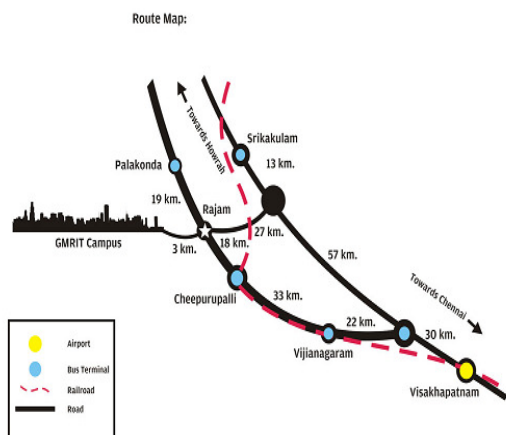


Institution:

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**. It is an **ISO 9001:2008 Certified Institution** and 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:



Organizing Committee

Patron

Dr. V. Raghunathan
CEO- GMR Varalakshmi Foundation

Chair

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

Co-Chair

Dr. J. Raja Murugadosh
Vice-Principal, GMRIT

Advisor

Dr. Shishir K. Behera, (HOD, Chemical Engg.)
Dr. B. Biswal (Assoc. Dean, R&D)
Dr. M. V. Nageswara Rao (Assoc. Dean, F&S)

Organizing Secretary

Dr. M. Gangadhar

Organizing Committee Members

Dr. M. Krishna Prasad
Dr. R. Srikanth
Prof. V. Srinivasa Rao
Dr. S. N. Dash
Dr. P. Kalpana
Ms. G. Kalyani
Mr. P. Satya Sagar
Dr. G. Babu Rao
Mr. H. Joga Rao
Mr. B. Niranjana Rao

Mailing Address

Dr. M. Gangadhar
Dept. of Chemical Engineering
GMR Institute of Technology,
Rajam, Srikakulam District – 532 127
Andhra Pradesh.
Mobile : +91-9866074500
Phone : +91 8941 – 251592, 251593
Fax : +91 8941 – 251591, 252406
E-mail : cfdapird2k16@gmrit.org



Two Day National

Seminar

on

*Computational Fluid Dynamics
Applications in Process*

Industries:

Recent Developments 2k16

15th – 16th April, 2016

Sponsored by

Department of Science & Technology

Organized by

**Department of Chemical Engineering
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

Objective:

Computational Fluid Dynamics (CFD) is a methodology for computer simulation of fluid mechanics and heat transfer problems. The simulation results in prediction of the flow fields in the domain of interest, and of engineering parameters, which are very useful in the design and optimization of processes and equipment. It is an open ended application of undergraduate core courses of fluid mechanics and heat transfer. CFD reduces the time and cost for designing and analyzing engineering systems, and is slowly becoming part and parcel of Computer Aided Engineering (CAE). In academics, CFD is taught in different branches of engineering: aerospace, chemical, civil, mechanical, and metallurgy. In industry, CFD is rapidly developing as a powerful analysis tool used in diverse areas like aerospace, automobile, turbo-machinery, chemical, electronics cooling, bio-medical, etc. The increasing importance of CFD simulation software development, application, and analysis, in the Indian industry and research organizations, along with the lack of trained manpower in this area, has greatly increased the significance of this course. However, there is a lack of trained teachers for this course.

The objective of this course is to introduce the fundamentals of CFD, to know and understand the applications of CFD in multidisciplinary topics and to interact with eminent persons and get acquainted with the available CFD Packages.

Thematic Areas:

- Fundamentals of CFD ingredients and overview of open source CFD softwares.
- Best practices of CFD in the fields of Food Security, Energy and Environment.
- CFD analysis procedure (Preprocessing, Solving & Post processing).
- Industrial applications with recent advancements in CFD: Case studies from process industries.
- Validation of CFD results and report preparation Global status of CFD in Engineering Applications: A Glimpse.
- Perspectives and future directions in CFD.

Call For Papers:

Original research papers are invited from Practicing engineers from industry, CFD researchers in academia, Scientists and Research Engineers, CFD Teachers and consultants, CFD software developers and users over the above Research Scholars, PG and UG students. For more details, please visit our website.

Registration:

Faculty from Academics : Rs.750/-
Industrial participants : Rs.1500/-
Research Scholars & PG students : Rs. 500/-

Mode of Payment:

All Payments should be made by demand draft in favor of "The Principal, GMRIT" payable at Rajam and it should reach on or before 24th March, 2016 along with the registration form to the workshop coordinator mailing address.

Important Dates:

Submission of abstract : 20th March 2016
Intimation of acceptance : 24th March 2016
Submission of full paper : 25th March 2016

Boarding & Lodging:

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

Key Note Lectures:

Key note lectures will be delivered by renowned persons from industry and academia working in the field.

Registration Form

**Two Day National Seminar on
*Computational Fluid Dynamics
Applications in Process
Industries: Recent Developments
2k16 (CFDAPIRD-2k16)***

15th – 16th April, 2016

Participant's Name :
Qualification :
Department :
Organization :
Address for
Communication :
Phone No. (O) :
(R) :
E-mail :

Registration fee: Rs _____/- by DD in
favor of "The Principal, GMRIT, Rajam"
DD No.: _____ Date: _____

Accommodation required:
Yes/No

Date: _____ Signature of Participant

Sponsorship Certificate

This is to certify that Dr./ Er./ Mr./ Ms.
_____ is an
employee of our institution since
_____ and is hereby sponsored to
attend the seminar on '**Computational Fluid
Dynamics Applications in Process
Industries: Recent Developments
(CFDAPIRD-16)**' during 15th-16th April, 2016 at
GMRIT, Rajam, Srikakulam.

Place: _____ Signature
Date: _____ Head of the Institution