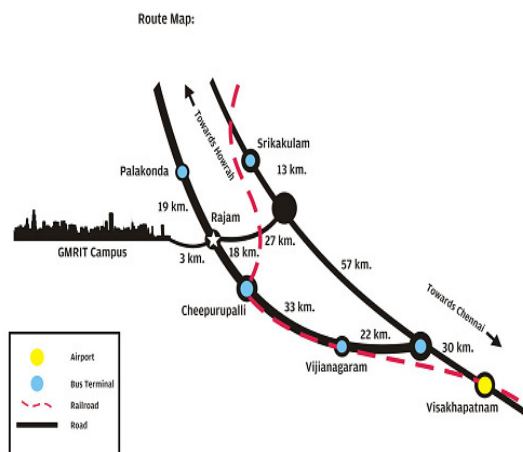


INSTITUTION:

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:



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Mr. H. Joga Rao

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Two Day National Seminar on

Climate Efficient Process Industries

4th – 5th March 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**

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OBJECTIVE:

It is a well known fact that process industries are major consumers of energy in various forms. Therefore, advanced techniques need to be adopted in order to reduce the capital as well as operating cost of the energy systems with an overall aim of establishing climate efficient process industries. Maximum possible reduction in the usage of energy is the greatest endeavor that serves the sole objective of improving profitability and competitiveness. Thus, simultaneous optimization of processes and minimum utility target is the challenge for the process design professionals. Hence, this seminar aims at serving as a platform for utilizing the procedure/process to be followed in preparing the systematic and sophisticated design methods as well as in providing important guidelines.

In this context, the seminar focuses on the Pinch Technique and heat exchanger networks as a popular tool for determining the minimum energy consumption of a given process and the potential for heat recovery, analysis of heat exchanger networks and identification of heat exchanges that are sources of energy inefficiencies, process steam production, refrigeration, and air and gas compression systems: energy performance computation, waste heat assessment and analysis of energy recovery opportunities.

Thematic areas:

- Pinch Analysis: Maximizing Energy Recovery for Industrial processes.
- Heat Integration for Sustainable Process Design.
- Synthesizing Heat Exchanger Networks to Save Energy.
- Heat Exchanger Process Design.
- Process integration and Process Intensification combined with solar process heat.
- Energy Efficient Design: Tools, Techniques and Applications to the Petroleum and Chemical industry.
- Energy Management and Optimization in the Process Industry.

CALL FOR PAPERS:

Original research papers are invited from scientists, research scholars and faculty working in the area of Heat integration techniques, Process design and optimization. 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 "Principal, GMRIT" payable at Rajam and it should reach on or before 25th February 2016 along with the registration form to the workshop coordinator mailing address.

IMPORTANT DATES:

Submission of abstract : 5th February 2016
Intimation of acceptance : 7th February 2016
Submission of full paper : 25th February 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 *Climate Efficient Process Industries(CEPI-16)*

4th-5th March, 2016

Participant's Name: _____

Qualification:

Department:

Organization:

Address for
Communication:

Phone No. (O):
(R):

E-mail :

Registration fee: Rs _____/- by DD in favor of
"Principal, GMRIT"

DD No.:

Date:

Accommodation required:

Yes/No

Date:

Signature of Participant

SPONSORSHIP CERTIFICATE

This is to certify that Mr./Ms. _____ is

_____ is an employee of our institution since _____ and is hereby sponsored to attend the seminar on 'Climate Efficient Process Industries' during 4th-5th March, 2016 at GMRIT, Rajam, Srikakulam.

Place:
Date:

Signature
Head of the Institution