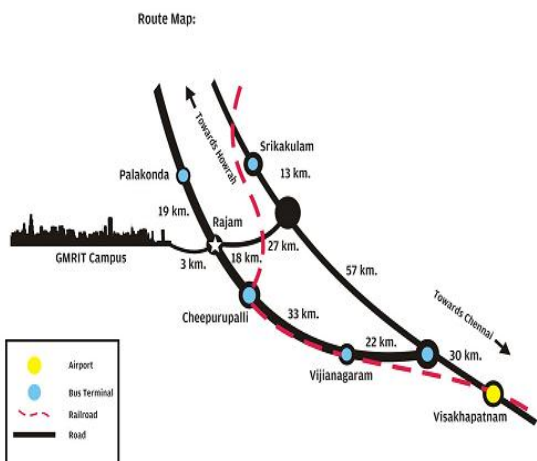


INSTITUTION:

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:



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Two-day National Workshop

On

'Intelligent Control and Real-time Applications with dSPACE'

21st – 22nd November, 2014

Organized by
Department of EEE

GMR INSTITUTE OF TECHNOLOGY
GMR Nagar, Rajam – 532 127
Srikakulam (Dist.)
Andhra Pradesh, INDIA

Visit us at www.gmr.it.org

OBJECTIVE:

Nowadays a control strategy based on intuition and judgments has been emerged and is being fueled by recent advances in computing technologies. It has been given a collective name "Intelligent control" because of its performance, adaptability and simplicity.

Intelligent control systems do extremely well in the areas that are highly non-linear, when a model of the system is very difficult to obtain and a classical control system is fail to control. These controllers are developed by emulating certain characteristics of biological systems including adaptation, learning, planning under large uncertainty and coping with large amounts of data. The superior noise rejection capability and tolerance to the system fluctuations are some of the key advantages over the classical control.

The goal of this workshop is to enhance the knowledge and skill of faculty, students and industry professionals in the Rapid Control Prototyping (RCP) solutions to quickly develop, iterate and test your control strategies in powerful hardware and comprehensive software tools for real-time applications. Moreover this workshop encourages scientific research in thrust areas of intelligent control.

Workshop covers:

- Architectures for intelligent control
- Modeling intelligent systems
- Mathematical analysis of intelligent systems
- Hybrid systems
- Design techniques for intelligent controllers
- Machine learning / adaptive systems
- Knowledge-based and expert systems
- Multisensory fusion / integration
- Failure detection and identification

RESOURCE PERSONS:

1. Prof. P.K Dash, Director (Research), SOA University, Bhubaneswar
2. Mr. Bipin, Engineer, Dynafusion Technologies Pvt Ltd, Bangalore

ELIGIBILITY:

Faculty members of Engineering / Polytechnic colleges approved by AICTE / Researchers / Practicing Engineers/PG students are eligible.

REGISTRATION:

Faculty from Institutions : Rs. 1000/-
Scientists & Industrial participants : Rs. 1250/-
PG students & Ph.D Scholars : Rs. 500/-

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 **15th November, 2014** to

Dr. T.Suresh Kumar
Professor & HOD
Dept of EEE
GMR Institute of Technology,
Rajam – 532 127
Srikakulam (Dist), Andhra Pradesh

BOARDING & LODGING

The registration fee includes Registration Kit, boarding & lodging during their stay at GMRIT, RAJAM.

REGISTRATION FORM

Two-day National Workshop On 'Intelligent Control and Real-time applications with dSPACE' 21st – 22nd November, 2014

Participant's Name: _____

Qualification: _____

Department: _____

Organization: _____

Address for
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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

'Intelligent Control and Real-time applications with dSPACE'

at GMRIT, Rajam, Srikakulam during the period
21st – 22nd November, 2014.

Place: _____

Date: _____

Signature
Head of the Institution