

ON

“SMART MATERIALS, STRUCTURES AND SYSTEMS

16-09-2013 to 28-09-2013

Sponsored by



**ALL INDIA COUNCIL FOR TECHNICAL
EDUCATION, NEW DELHI**

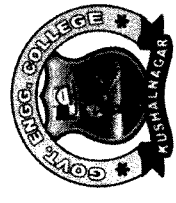
Organised by

Dr. N.S. SATHISHA

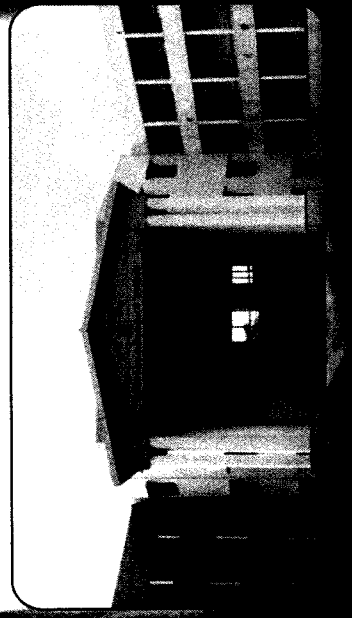
Principal
Organising committee chairman

Dr. M. M. BENAL

Co-ordinator
Professor and Head,
Department of Mechanical Engineering



**Government Engineering College
Kushalnagar-571234**



Government Engineering College, Kushalnagar was established in the year 2007, by the state government of Karnataka under the Department of Technical Education and offers undergraduate programme in four disciplines of engineering. College is situated on the river bed of a Cauvery, Kushalnagar.

Government Engineering College has several aims to come up with centres of excellence in Engineering. The college has well equipped laboratories in all branches of engineering and also promotes interactions with the Industries for students' training and project work. Engineering education has the most critical role to play in the progress of a nation. We realize that our students represent the future of our society and we take our responsibility seriously. We ensure that the rock - solid foundation we help them build here - by providing them with the best of skills and values - will stand them in good stead no matter what their career they choose.

The Department of Mechanical Engineering was established in 2007 with affiliation to Visvesvaraya Technological University (VTU) Belgaum. The present intake for the undergraduate programme is 100 students. Mechanical Engineering emphasizes on Design, Material Science, Manufacturing, Thermal Engineering, and also interdisciplinary areas like CAD/CAM/CAE, Automation, Operational Research, Robotics, FEM, Managerial Aspects of Industry, etc.

The Department has well qualified and experienced faculty and technically competent supporting staff on its rolls. Two faculty members have doctoral degrees. Rest of faculty members are pursuing doctoral degrees.

About Coorg (Kushalnagar) :

Kushalnagar is a town located in the east of Kodagu district, in the Cauvery river, in the state of Karnataka, India. In the independence times, it was known as Fraserpet after Colonel Fraser who was the Political Agent in around 1834. The town is located in Bangalore-Mysore. The Bylakuppe settlement for Tibetan refugees in Mysore district but within 1-3 km from Kushalnagar town in Mysore. Other nearby tourist attractions include Harangi Reservoir, Subare where Elephant Camp & Rafting available, Karsargadhama, Chikihole Reservoir, herur.

About Industry partner :

Rapid prototyping society of India functions under the aegis of Institute of Engineers(I), Karnataka state centre, Bangalore. Many interests are advanced materials and manufacturing research and innovation.

The given information is true to the best of my knowledge and I agree to abide by the rules and regulations governing the programme. If selected, I shall attend the course for the entire duration. In case I am unable to attend the course, I shall be prepared to forego the refundable advance paid by me (non-refundable).

Signature of the candidate

SPONSORSHIP

I, Mr./ Ms./ Dr., an employee of our Institution and is hereby sponsoring the candidate/she will be permitted to attend the programme, if selected.

Date: Office Seal
Signature of the Sponsoring Authority

The duly filled application forms along with DD should be sent to,
Dr. M. M. BENAL
Co-ordinator-FDP
Department of Mechanical Engineering
Government Engineering College,
Kushalnagar-571234
Phone: 0827-272335
Fax: 0827-272335, Mobile: +91 9980164334
E-mail: mmbenal@gmail.com

co-ordinators:

Dr. M. M. Benal, H.S. Vasanthakumari,
Dr. Srinivasamurthy, Dr. S. Rajanna,
Dr. M. Sriharsha, Bharath L, HR Geetha,
Sureshkumar

IMPORTANT DATES

Last date for receipt of applications: 24-08-2013
Date of intimation regarding selection: 10-09-2013
Confirmation by participants: 12-09-2013

The selected candidates will be intimated only through email. If required, kindly take photocopy of the application form for multiple uses.

ON SMART MATERIALS, STRUCTURES AND SYSTEMS"

16-09-2013 to 28-09-2013
 Department of Mechanical Engineering
 Government Engineering College,
 Kushalnagar-571234, Kodagu dist

APPLICATION FORM

Name(in block letters) :

Date of birth & age :

Qualification :

Organisation :

Designation :

Address for communication :

Pin Code :

Phone : (O) :

Mobile :

Email id :

Accommodation required : YES/NO

Your institution approved by AICTE ? : YES/NO

Experience (in years):

Teaching: Research: Industry:

No. of summer/winter schools/FDP's attended:

What do you expect to gain by attending this programme?.....

Please use an additional sheet)

No. Date :

Engineering college teachers working in the dept of mechanical are eligible. However teachers with the stated experience in the departments other than mechanical will not be considered provided they have an aptitude and interest to work in the field of the programme if strength is less than 50. The strength of the programme is 50.

Faculty and organization of the programme:

The resource faculty will be drawn from renowned R & D labs and other premier institutions and industries. This FDP is being organized to benefit the teachers/R&D engineers. This two week programme on "smart materials, structures and systems" will be marked by sharing the knowledge of experts from related disciplines

Selection Procedure:

The aspirants/sponsored applicants can submit their duly filled-in applications to the coordinator along with the registration fee. Selection will be made by short listing the aspirant application which will be based upon their experience in teaching, practicing and research in the mentioned fields.

Financial Assistance

Type of Institution	Travel	Boarding & Lodging	Registration Fee
AICTE approved	To & Fro Train or Bus Fare	Free (at College Premises)	Rs. 500/-
Industry / Organisation	To be borne by the Participant		Rs.1,000/-

The amount is to be paid through a demand draft drawn in favour of "The Co-ordinator, FDP-AICTE, GEC, Kushalnagar, payable at Kushalnagar. The same will be refunded on completion of the programme.

Forum to create awareness about the latest technologies in smart materials and systems. This course is dedicated to teaching smart materials, systems and structures, including smart materials, sensing and actuation, control and information processing. Smart materials and systems, sense and respond to the environment in a predictable manner and have applications in areas as diverse as automotive, defense, aerospace, civil, medical, etc. The field of smart materials and systems has made tremendous progress in recent years. It has created waves across the globe and will play a major role in the future evolution of micro and nanotechnology. The program is designed to provide theoretical and hands-on sessions to the faculty members to understand concepts of smart materials in an effective way. The project coordinator has been research interest in shape memory alloys and this program will also serve to network with researchers in this field leading to technical collaborations. This project will cover areas like active polymers, shape memory alloys, Bio MEMS and design intelligent devices for energy harvesting.

Objective

- ▲ Faculty Development Program (FDP) is designed to
 - ▲ Enhance their teaching and other skills.
 - ▲ Make them aware about modern teaching tools and methodologies.
 - ▲ Acquire knowledge about current technological developments in relevant fields.
 - ▲ Impart professional practices relevant to technical education.
 - ▲ Achieve competitive teaching and learning environment and
 - ▲ Channelize development with respect to academic qualifications and personal matters.
 - ▲ Tailoring the gamut of smart materials towards the industrial applications is still a major challenge to the researchers and engineers involved in this field.
 - ▲ The course intends to address this issue bringing together the experts from the industry, academia and other R&D organizations involved in this field.
 - ▲ The course is also aimed at, to present the up to date knowledge about the latest technologies in the area of smart materials through detailed lectures by expert faculty members from different departments supported by laboratory demonstrations and thus the course will be an enriching experience for the faculty members.