REGISTRATION FORM

FACULTY DEVELOPMENT PROGRAMME
ON
ADVANCED IC ENGINES (ME 2041)

10th to 17th December 2012

Name :

Designation :

Qualification :

Experience (yrs) :

( if any )

Subjects taught :

Institution :

Mailing Address :

Telephone/Mobile :

E-mail :

Signature of the participant

FACULTY DEVELOPMENT PROGRAMME
On
ADVANCED IC ENGINES
(ME 2041)
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CO-ORDINATORS
Dr. D. GANESH
Dr. M.R.SWAMINATHAN

Sponsored by
CENTRE FOR FACULTY DEVELOPMENT
ANNA UNIVERSITY

Organised by
Internal Combustion Engineering Division
Department of Mechanical Engineering
College of Engineering, Guindy
ANNA UNIVERSITY
CHENNAI-600025.
ABOUT DEPT. OF MECHANICAL ENGINEERING

The department was established in the year 1895 with a focus not only in teaching but also in research. Over the years the department has also developed expertise to offer consultancy/testing services. The research work are funded by agencies like UGC, AICTE, CSIR, DST, DRDO, DAE & MHRD etc. A substantial number of publications in International & National journals paved way to sign MoUs with leading Universities like Nagoya Institute of Technology (Japan), University of Applied Science (Berlin), Illinois Institute of Technology (USA), University of Newcastle (UK) & Royal Institute of Technology (Sweden). The department is currently offering two UG programmes and seven PG programmes. More than 150 research scholars are currently working in the department in various areas of their interests.

ABOUT I.C. ENGG. DIVISION

The I.C.Engg., division is one among the six divisions of Mechanical Engineering Department. It was established in the year 1958, and is one of the oldest divisions of College of Engineering, Guindy. The division offers P.G programme on Internal Combustion Engineering both full time and part-time, and closely interacts with the industrial needs. The division is actively involved in research and consultancy in the areas of alternative fuels, pollution control, and CFD studies applied to Internal Combustion Engines.

ABOUT THE PROGRAMME

Globalisation and growth of the Indian Economy have lead to exponential growth of automobile industry, and is also expected to boom with future predictions. As the industry grows many energy and environmental issues are also encountered. With the significant increase in the number of automobiles on our roads, the ambient air quality has deteriorated considerably. The conventional fuels like gasoline and diesel produce significant greenhouse gas emissions. Cleaner technologies, pollution control strategies, alternative fuels & vehicle technology and better design requirements are key to improve ambient air quality. Keeping this in mind the division has envisaged a faculty development programme on Advanced IC Engines (ME 2041) to update the teaching. This seminar will address all the issues mentioned above.

TOPICS TO BE COVERED

- Basics of Carburettor
- Combustion in SI & CI engines
- Combustion chambers for SI & CI engines
- Pollutant formation in SI & CI engines
- Pollution control strategies in SI & CI engines
- Driving cycles & pollution norms
- After treatment devices
- Use of alternative fuels
- Recent trends – CRDI, HCCI, GDI, Lean burn and stratified charge engines

DECLARATION

The above information is true to the best of my knowledge. I agree to abide by the rules and regulation governing the Faculty Development Training Programme. If selected, I shall attend the programme for the entire duration. I also undertake the responsibility to inform the coordinator in advance if I am unable to attend the course.

Date: 
Place: 
Signature of the Applicant

SPONSORSHIP

Mr. / Ms. / Dr. .................................................................

is an employee of our Institution and is hereby sponsored for the above Faculty Development Training Programme. He / She will be permitted to attend the program, if selected.

Signature of the Sponsoring Authority with seal