

DECLARATION BY THE CANDIDATE

The above information is true to the best of my knowledge. I agree to abide the rules and regulations governing the T.E.Q.I.P.- II program. I shall attend the course for the entire duration.

Place :

Date : Signature of Applicant

SPONSORSHIP CERTIFICATE

Mr./Mrs./Dr. _____ is an employee/researcher of our institution and sponsored to attend the Workshop on "**BIOFUELS AND COMBUSTION RESEARCH**" conducted by Mechanical Engineering Department, National Institute of Technology, Tiruchirappalli - 620 015 from **26.09.2016 to 01.10.2016**.

Signature of Head of the Organization
(with office seal)

Place:

Date:

For office use only:

Reg. No.:

Course Coordinator



ADDRESS FOR CORRESPONDENCE

Dr. V. ARUL MOZHI SELVAN / Dr. R. ANAND
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A WORKSHOP ON BIOFUELS AND COMBUSTION RESEARCH

26.09.2016 - 01.10.2016

SPONSORED BY

**TECHNICAL EDUCATION
QUALITY IMPROVEMENT PROGRAM - II
GOVERNMENT OF INDIA**



COORDINATORS

**Dr. V. ARUL MOZHI SELVAN
Dr. R. ANAND**



**DEPT. OF MECHANICAL ENGG.
NATIONAL INSTITUTE OF TECHNOLOGY
TIRUCHIRAPPALLI - 620 015**

OBJECTIVE:

The ever increasing crude oil prices and the alarming environmental crisis, use of alternative fuels is no longer a matter of future: it is a realistic issue of present. Conventional fuel sources are getting a lot harder to extract and the environment is also being heavily polluted by emissions produced by burning petroleum products. It's time now to reduce degrading the environment further and the obvious way ahead is through use of alternative fuels and after-treatment devices. Addressing these issues, this program is designed to give an in-depth analysis of present and future biofuels and its combustion, pollutant formation and control.

COURSE CONTENT:

- Biofuel sources and production techniques
- Role of catalysts on biofuel production
- Upgradation of biofuel and economics
- Biodiesel production and optimization
- Fuel property modifications
- Alternate fuels for IC Engines
- Combustion in SI & CI Engines
- Chemical and combustion kinetics
- Flow simulation studies using CFD
- Optimization studies using DOE/ANN
- Pollutant formation i& Control
- Emission standards and measurement
- Instrumentation for engine research
- Visit to Fuels / Engine Research Laboratory

FACULTY:

The contents of the course will be delivered by faculty drawn from the Institutes of National Importance (IISC / IIT / NIT) and Industry.

COURSE MATERIAL:

Course materials will be given to all the participants.

ELIGIBILITY:

Teachers/Researchers from degree level technical Institutions and R&D establishments are eligible to attend the program.

SELECTION PROCEDURE:

First come first served basis limited to 40 only.

TRAVELING ALLOWANCE:

No Traveling allowance will be paid to the participants.

BOARDING AND LODGING:

Boarding and Lodging will be arranged in the Institute Guest House / Hostel subject to the availability for the outstation participants upon request. However, food and snacks will be given for all the participants.

HOW TO APPLY?

Completed applications in the format enclosed and duly sponsored along with a non-refundable Registration fee of Rs.660/- (Rupees Six hundred and Sixty only) drawn in favour of "**The Director, National Institute of Technology, Tiruchirappalli - 620 015**" payable at **State Bank of India, NIT, Tiruchirappalli** may be forwarded to the Coordinator so as to reach NOT later than 22.09.2016. Candidates provisionally selected will be intimated by 23.09.2016. All further communications will be sent through only by email. The application can also be downloaded from our web site: www.nitt.edu

HOW TO REACH NIT-T:

NIT-T is located on the Tiruchirappalli -Tanjore highway (NH-67) about 23 km from Tiruchirappalli railway station. One can avail Bus No.128 or Tanjore bound buses from the Central Bus Stand (CBS) or city buses from Chathiram bus stand.

Important Dates to Remember:

Last date for receiving the applications : 22.09.2016

Intimation of selection (by email only) : 23.09.2016

DEPARTMENT OF MECHANICAL ENGINEERING
NATIONAL INSTITUTE OF TECHNOLOGY
TIRUCHIRAPPALLI - 620 015

REGISTRATION FORM

A WORKSHOP ON
BIOFUELS AND COMBUSTION RESEARCH
(26.09.2016 to 01.10.2016)

Name :

Age & Sex :

Qualification :

Designation :

Department :

Experience :

Address :

Email ID :

Phone :

Mobile :

Do you require Hostel accommodation?:

Details of DD enclosed :

Amount :

DD No. :

Date :

Bank :