

Introduction

Consumption of much energy and resources, results in various environmental issues. To make cleaner environment, understanding of proper energy management and environmental policies is essential.

Objective

The course is primarily designed for faculty from engineering colleges to sensitize the concepts of energy and environment. This shall go a long way in developing skilled human resource in this key area. Through this short term course, faculty members shall be trained to introduce a subject in their institution on the subject matter as well as initiate research and development work. This course will give theoretical as well as practical hand on experience. The effort is to make the participants capable of running a semester course in the subject area as well as to conduct workshops and to give some insight of advancement in Renewable Energy Sources.

Contents of the Course:

- Solar impulse Aircraft
- Hot housing under a desert Sun
- Energy efficient Green building
- The Tobacco as potential biofuel crop.
- Sugar-The future Diesel maker.
- Converting Biomass into alternative Energy.
- Energy Scenario in India
- Global case study & Energy auditing

Patron

Prof. I. K. Bhat,
Director
NIT Hamirpur

Course Coordinator:

Mr. Debasish Das
Department of Mechanical Engineering

Co-coordinator:

Dr. S.S.Chandel
Centre for Energy and Environment

About NIT Hamirpur

National Institute of Technology Hamirpur (Deemed University) is one of the 20 NITs, established in Hamirpur, the heart of hill state Himachal Pradesh. Institute was established as a joint venture of the Government of India and the Government of Himachal Pradesh in 1986. NITH campus spreads over 177 acres of lush green hill area of Hamirpur. The goals of the institute as embodied in the logo are truly remarkable in their scope of vision. The institute provides Undergraduate, Postgraduate and Doctorate Education in Engineering, Sciences & Humanities to about 1500 students; fostering the spirit of national integration among the students, a close interaction with industry and a strong emphasis on research, both basic and applied. The laboratories are equipped with state of art equipments and excellent infrastructure. The institute is actively engaged in research, consultancy and developmental activities besides imparting regular teaching.

**Department of Mechanical Engineering and
Centre for Energy & Environment National
Institute of Technology
Hamirpur-177005**

REGISTRATION FORM

**Inter Disciplinary Short Term Course
on
Application based Global Trends in
Renewable energy Sources.**

(September 20-24, 2010)

Name, Designation & Address of Applicant

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Phone (O & R) & Fax with STD Code

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E-mail:

Address of Sponsoring Authority.....

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.....

Details of registration fee:

Draft No Dated.....

for Rs.

.....is enclosed.

Date:

Signature of Sponsoring Authority with seal Signature of candidate

Eligibility

Bachelors/Masters Degree in /Engineering/ Science. The course is designed for faculty members/research scholars involved in teaching and R&D activities. The course is specifically suitable for persons working in the field of Energy and Environment.

Registration Fee

For the delegates from AICTE recognized Academic Institution there is no registration fee. For a delegate from industry, the registration fee is Rs. 5000. Boarding and lodging arrangements will be made by N.I.T Hamirpur. To and fro fare by shortest route will be reimbursable to the participants from Academic Institutions (maximum AC III class on producing actual tickets). Suitably furnished accommodation will be provided in the Hostel/ Guest Rooms of the NIT Hamirpur free of cost.

Field Visit

The organizers of this course have planned for course tour/Field Visit for participants either to near by places on September 23, 2010 depending upon the interests shown by the participants.

Resource Persons

Over and above faculty from NIT Hamirpur, resource persons from various IITs/NITs will be called for this course.

Important Deadlines

Last date for receiving applications:

Sep 5, 2012

Notification of acceptance: Sep 10, 2010

About Hamirpur

The city of Hamirpur is well connected with the rest of the country by road. The nearest broad gauge rail head is at Una (Himachal Pradesh) which is 80 Kms from Hamirpur. The campus has a picturesque surrounding facing snow clad Dhauladhar mountain ranges. The campus is well laid with roads, electric installations, water supply, underground drainage, etc. The place has healthy climate with moderate temperature ranging from 15 C to 35 C during summers with an altitude of 900 meters.

Travel Guide

Participants coming from Delhi can take Una-Himachal Express from Old Delhi Station and reach Una. From Una many buses ply for Hamirpur. Apart from this there is a deluxe bus facility from Maharana Pratap ISBT at Delhi in the early evening. Hamirpur is also well connected to Chandigarh and frequent Bus service is available. The nearest airport is at Gaggal (District Kangra) about 75 Kms from Hamirpur. Direct air link from Delhi to Shimla is also available. Shimla airport is at a distance of 175 Kms from Hamirpur.

Correspondence

Interested person(s) should send the Nomination on the enclosed Pro-forma duly sponsored by the appropriate authority scanned either by e-mail or Fax or speed post to:

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National Institute of Technology Hamirpur

ANNOUNCES

A

Short Term Course

on

Application based Global Trends in
Renewable energy Sources.
(September 20-24, 2010)



Organised by:

Department of Mechanical Engineering and
Centre for Energy & Environment
National Institute of Technology Hamirpur –
177005

Sponsored by:

All India Council of Technical Education
New Delhi