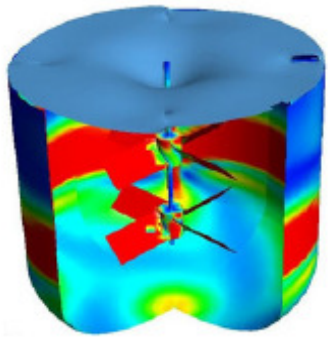
Short Term Course



on

Computational Fluid Dynamics and Heat Transfer
05-10 September, 2016

Under TEQIP-II

Organized by
Department of Chemical Engineering
National Institute of Technology, Hamirpur
http://www.nith.ac.in

INTRODUCTION

Computational Fluid Dynamics has emerged to be one of the most important fields of study that plays a pivotal role in the modern engineering environment. Effective computational fluid dynamics analysis facilitate efficient and quick simulation of fluid flow and heat transfer of a product, part or structure to determine its performance level across diverse fluid forces. It find application in vast field of engineering, e.g., internal and external fluid flows, gas or liquid flow with heat transfer, time dependent flow, real gases, heat transfer in solids, transonic, subsonic and supersonic regimes, laminar, transitional and turbulent flows, etc.

OBJECTIVE

The objective of this course is to provide platform to young faculty members/students for learning of CFD (Computational Fluid Dynamics) and pursue their research/career in this area.

EXPERTS FROM

- I.I.T. Delhi
- I.I.T. Roorkee
- I.I.T. Kanpur
- N.I.T. Jalandhar

COURSE CONTENTS

- Importance of Computational Fluid Dynamics
- Theory Behind Computational Fluid dynamics
- Application in Academia and Industry
- Hand on Practice on ANSYS Software

METHODOLOGY

The one week programme will be judiciously utilized by integrating theory classes, laboratory sessions, case studies and audio-visual presentations. Besides the institute faculty, experts will be invited from various esteemed institutions/ R & D organizations.

TARGET GROUP

Teachers from recognized engineering colleges/Institutions, practicing engineers from public/private organizations with minimum qualification of Bachelor's Degree in any branch of Engineering/or its equivalent. M. Tech. and Ph.D. Research Scholars are also eligible for registration. The number of participants is limited to 25 and will be selected on first come, first serve basis. The interested participants need to get themselves sponsored from their Principal/Head of Institution and send their application to one of the course coordinators**.** Suitable arrangements for boarding and lodging of participants will be made at students' hostel. No TA/DA will be paid to the participants.

LAST DATE

Last date of receiving applications for participation in this STC is **25th August, 2016**.

Information regarding selection will be displayed on institute website by **27th August, 2016** and selected candidates will also be informed by email.

REGISTRATION FEE

There will be a registration fee for sponsored participants from academic institutions and industry. Registration fee can be paid by sending crossed bank draft in favor of "**Registrar, NIT Hamirpur"** payable at State Bank of India, Hamirpur (HP).

The details of fee are:

Research Scholar/Student: Rs. 250/-
Faculty Participants: Rs. 500/-
Industry: Rs. 1000/-

ORGANIZING COMMITTEE:

Patron: Shri S. Gopalakrishnan (Kris), Chairman BOG

Chairman: Prof. Ajay Kumar Sharma, Director NIT Hamirpur

Co-Chairman: Dr. Pamita Awasthi, Head Department of Chemical Engineering, NIT Hamirpur

Course coordinators

Dr. Radhe Shyam
Department of Chemical Engineering
N.I.T. Hamirpur, HP – 177005
Phone: (01972) 254102
Mobile: 09882877308
Email: rshyam2009@gmail.com

Dr. Varun
Department of Mechanical Engineering
N.I.T. Hamirpur, HP – 177005
Phone: (01972) 254742
Mobile: 09882452135
E- mail: varun7go@gmail.com

ABOUT THE DEPARTMENT

The Department of Chemical Engineering was started in 2013 and offers undergraduate programme in Chemical Engineering. Industry oriented M.Tech. program in Chemical Technology is going to start in July-2016. The Department has highly qualified and experienced faculties with specialization in optimization, membrane process, biochemical engineering, CFD, etc.

ABOUT INSTITUTE AND HAMIRPUR

National Institute of Technology Hamirpur was established as a joint venture of the Government of India and the Government of Himachal Pradesh in 1986. NIT Hamirpur has a sprawling campus spread over an area of about 200 acres in the lap of thick pine forest and snow clad Dhauladhar mountain ranges and is located on the outskirts of Hamirpur town at about 3 kms from the bus stand. Adequate bus and taxi services are available from the bus stand to the institute campus. Hamirpur is about 450 kms from Delhi and 210 kms from Chandigarh. Direct bus services to Hamirpur are available from ISBT New Delhi as well as from Chandigarh. The nearest railway station is Una (Himachal Pradesh), which is about 85 kms from Hamirpur. The place has healthy climate with moderate temperature ranging from 1°C to 38°C with an altitude of 900 meters.

REGISTRATION FORM

Short-Term Course

on

Computational Fluid Dynamics and Heat Transfer

05 -10 September, 2016

1. Name of the Candidate ----------
   Designation ----------
   Email: ----------
   Office Tel No./Mobile No. ----------
2. Name of the Institution and Department:
3. Address for correspondence:
4. Educational qualification (e.g. BE/ME/PhD) ----------
5. Demand Draft Particulars
   Amount Rs.---------- No. ---------- Date----------
6. Experiences (a) Teaching ----------
   (b) Industrial or others ----------
   (----------)
7. Place and Date Signature of the Candidate

I hereby sponsor Dr./Mr./Ms…….……to participate in the Short Term Course on " Computational Fluid Dynamics and Heat Transfer**",** being held at NIT Hamirpur in Himachal Pradesh. During the period of entire program He/She would be on the official duty at NIT Hamirpur.

Signature with Date & Seal
Sponsoring Authority (Principal/ Director)

Note: Photocopied/typed Reg. Form cab be used or may be downloaded from institute website