About the Department

The Department of Chemical Engineering was commenced in the year 1988. The PG Programmes of M.Tech. in Chemical Engineering and Ph.D. was started in year 2006 and 2004 respectively. The current sanctioned strength of the B.Tech. Chemical Engineering Program and M.Tech Chemical Engineering Program is 100 and 25 respectively for Full time Courses. The Department is well equipped with good undergraduate laboratories and research laboratories. The Department aims to provide students with a balance of intellectual and practical expertise that enables them to serve the worldwide chemical industry as well as the societal needs. The curriculum has been designed to meet the programme goals and objectives that lay more stress on learning under the guidance of a vibrant and highly qualified faculty.

About Jaipur

Jaipur is a lively and vibrant city in the state of Rajasthan and is situated in Northern India at a distance of around 265 km from Delhi. Jaipur offers a multitude of interesting places and tourist attractions. There are several magnificent palaces and forts such as the Hawa mahal, Amber fort, Jaigarh fort, Nahargarh fort, Jal mahal, City place, Jantar Mantar etc., which are situated at the heart of the city. It is a city of fun, food and festivals. It is well known as the "Pink City" which is a heady mix of tradition and modernity. Jaipur is very well connected to other parts of the country through air, rail and road.

Local Accommodation

Accommodation at the Institute Guest houses will be available on payment basis. The details regarding boarding and lodging are as follows: Rates:

Guest House 1 (Limited capacity): (Single occupancy, double-bedded a/c room): Rs. 950/- per day.

Guest House 2: (Single occupancy, double-bedded a/c room): Rs. 750/- per day.

Aurobindo Boys Hostel: (Single occupancy, single-bedded non a/c room): Rs. 200/- per day .

Gargi Girls Hostel: : Rs. 200/- per day (Single occupancy, single-bedded non a/c room).

Major Topic that will be focused in the workshop

- Introduction to CFD
- Introduction to OpenFOAM
- Application of OpenFOAM to simpe to complex fluid flow problems
- Application of OpenFOAM to heat transfer problems
- Introduction to salome
- Hands on practice on software

Registration fee

For MNIT Students: Free of cost

Student UG/PG/PhD Scholars	*Rs.1000*
Academician	*Rs.2500*
Industries & R&D labs	*Rs.2500*
Participants from Abroad	*$ 100*

Participants are requested to send a Demand Draft in favor of "**REGISTRAR, MNIT Jaipur**" payable at Jaipur with a print out of the filled in Registration form, by Courier/ Speed Post/ Registered Post **before 6th August, 2019** to:

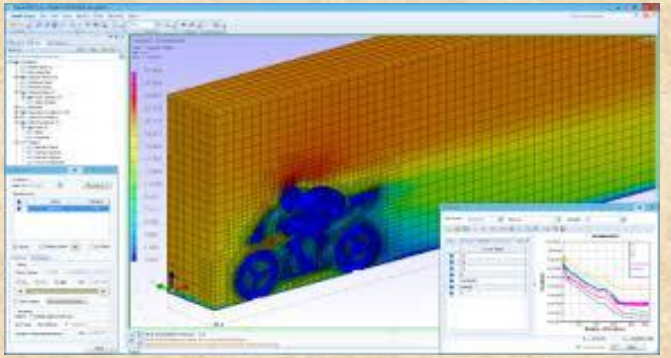
Dr. Rohidas Bhoi, Assistant Professor, Department of Chemical Engineering, MNIT, J.L.N. Marg, Jaipur-302017, Rajasthan, India.

Or

You may email a scanned copy of the DD and the signed registration form by the deadline to

Dr. Rohidas Bhoi
rohidas.chem@mnit.ac.in (9549650483)

Dr. Virendra Kumar Saharan
vksaharan.chem@mnit.ac.in (9549654175)



CFD using OpenFOAM
10th – 14th August, 2019

REGISTRATION FORM

Name……

Category (Academic/Student/Industry/R&D)

Designation: ……

Department: ……

Institution: ……

Town/City: ……

Country: ……

E-mail: ……

Mobile No: ……

Registration Fee: ……

Payment by DD in favour of "REGISTRAR, MNIT JAIPUR" payable at Jaipur. Cash/D.D. No. :

……

Accommodation required? ……

Date: ……. Signature

About work shop

Computational Fluid Dynamics (CFD) involves the numerical solution of conservation equations for mass, momentum and energy in a flow geometry of interest, together with additional sets of equations reflecting the problem at hand. This proposed workshop aims to introduce chemical engineers to the the simple to complex problems of fluid flows involving chemical reactions, turbulence, and heat transfer. The workshop will introduce participans to CFD, introduction to OpenFOAM, incompressible flows, compressible flow and heat transfer, mesh manipulation, multiphase flow, introduction to salome (open source software for numerical simulation). OpenFOAM is free to use open source numerical simulation software with extensive CFD and multiphysics capabilities.

About MNIT

The college was established in 1963 with the name as Malaviya Regional Engineering College, Jaipur, as a joint venture of the Government of India and the Government of Rajasthan, Subsequently; on June 26, 2002 the college has been given the status of National Institute of Technology and on 15 August 2007, Proclaimed Institute of National Importance through Act of Parliament. The Institute is fully funded by Ministry of Human Resource Development (MHRD), Government of India. More than 12,000 students have already been graduated since its establishment.

Organizing committee

Patrons

Prof. Udaykumar R Yaragatti
Director MNIT Jaipur

Chairman

Dr. Madhu Agarwal, MNIT Jaipur

Conveners

Dr. Rohidas Bhoi

Dr. Virendra Kumar Saharan

Coordinators

Dr. U.K. Arun Kumar
Dr. Dipaloy Datta
Dr. Md Oyeas Midda

Address for Correspondence

Dr. Rohidas Bhoi
Department of Chemical Engg.
MNIT Jaipur, J.L.N. Marg,
Jaipur Rajasthan-302017

A Five Days Workshop on CFD using OpenFOAM

TEQIP-3
Technical Education Quality Improvement Programme

(10th -14th August, 2019)

Organized by

Departments of
Chemical Engineering,
MNIT Jaipur

Under TEQIP-III

Malaviya National Institute of Technology Jaipur