One Month Internship on CFD

Registration Form

Name:_____

Designation:_____

Organization:_____

Gender:_____

Educational Qualification: _____

Mobile No.:_____

Email Id:_____

Experience:_____

Transaction Ref:_____

Date Signature of Applicant

Organizing Committee

Patron

Prof. (Dr.) Pankaj Rai
Director, BIT Sindri

Coordinators:

Dr. Asok Kumar Baranwal
Chemical Engineering, BIT Sindri

Dr. Ch V Raghunath
Chemical Engineering, BIT Sindri

About BIT Sindri

BIT Sindri, Dhanbad was established in 1949. It has a rambling campus of around 450 acres of land close to the eastern bank of the river Damodar. The institute today offers undergraduate, postgraduate as well as doctoral-level programs in diverse disciplines of Engineering. BIT Sindri, is under the affiliation of the Jharkhand University of Technology, Ranchi. Hence, the degree is honored by the JUT.

B I T SINDRI INTERSHIP ON COMPUTATIONAL FLUID DYNAMICS

June 24, 2024 – July 23 2024

Organized by

Department of Chemical Engineering

B. I. T. Sindri, Dhanbad

https://www.bitsindri.ac.in

About Department

The Department was established in 1956 and currently offers undergraduate program in B.Tech. (Chemical Engineering) and postgraduate program in M. Tech. (Instrumentation & Control (Applied Instrumentation)). The Department also provides facilities for doctoral research in the fields of Chemical Engineering. The National Board Of Accreditation (NBA) has accredited the B. Tech. program.

Who Should Attend?

Students of Engineering colleges and practicing engineers with active interest in the field can apply.

Registration Details:

Important Date:

•Last date for registration: 24.06.2024

The Registration Fee for Participants:

•Research Scholar and Students: Rs. 1000/-

•Industry Participants: Rs. 2500/-

•Accommodation and food for external participants will be provided on request in the Institute Guest House/Hostels depending upon availability on a paid basis.

Link for Registration:
https://docs.google.com/forms/d/e/1FAIpQLScuiSfPA5QREyPatVDNGfmXZN0zXFRwvfo8amCKVhPHtupu2g/viewform?usp=pp_url

The application will be considered on a first-come, first-served basis.

SL. No.	Name of Faculty Member	Internship Topics
1.	Dr. Amit Kumar Gupta	Flow of Two Immiscible Liquids Tracking of Interphase by VOF Method Patching on Second Phase in Ansys Software
2.	Dr. Ravi Shankar	Natural Heat Transfer in Cavity Application of FORTRAN in CFD
3.	Dr. Ashok Kumar Baranwal	Fluid Flow and Heat Transfer in Non-Newtonian Fluids Numerical Solution for Diffusion, Advection Equation. Setting up and Using SankhyaSutra Taral
4.	Prof. Manish Kumar	Basics of Discretization Method in CFD Governing Equations for Transport of Momentum and Heat
5.	Dr. Ch V Raghnath	Regression Analysis for Numerical Method Matlab Simulink
6.	Prof. Poornima Pandey Ch	Heat Exchanger Simulation in Aspen Simple Pendulum analytical Approximation

Bank Details: BIT Students Fund Account

Name of Bank:
SBI, BIT Sindri

Account number:
10635508860

For any queries, Please contact:

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Phone No.: 9113751108

Dr. Ch V Raghunath
Email. raghu.che@bitsindri.ac.in
Phone No. 9177490481

Importance & Scope of the Programme

This internship is organized by the Chemical Engineering Department, BIT Sindri. The internship focuses on the solution of fundamental benchmark problems along with the recent research fields with the application of the Lattice Boltzmann Method in Computational Fluid Dynamics (CFD). As this is an era of technology-enhanced learning. So, this workshop may play a crucial role in improving the quality of teaching and learning in technical education. This Internship will enhance the skills in Phase Equilibrium problem with Excel. This Internship teaches the handling of software like MATLAB, ANSIS and ASPEN.