

**Workshop
on
Advanced Computational Fluid Flow
Analysis through Ansys
and Statistical Approach
(18th June – 23rd June 2024)**

About GEC Jamui

Government engineering college, Jamui, was established in the year 2018 under the Department of Science and Technology, Bihar. It is affiliated with Bihar Engineering University, Patna, and approved by All India Council for Technical Education.

College offers seven branches in the Bachelor of Technology course. Civil Engineering, Mechanical Engineering, Electrical Engineering, Electronics & Communication Engineering, Computer Science Engineering (AI and ML, IOT, DS).

About Mechanical Engineering Department

Established in the year 2018, The Department of Mechanical Engineering offers B. Tech. (Mechanical) with an annual intake of 60 students. With the focus of Thermal Engineering, Design Engineering, Production Engineering and Computer Aided Applications, the department aims to foster the development of students' skills, enabling them to achieve advanced knowledge, global competency, and excellence for the benefit of society.

Patron

Dr Bimal Kumar
Principal

Chairman

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Head, Department of Mechanical Engineering

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Mr Raja Ram Bhagat

Co-Coordinator

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Mr Rahul Kumar

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Mr Avinash Kumar
Mrs Nidhi Devi

Organizing Committee

All faculty and Staff of Mechanical Engineering
Department, GEC, Jamui

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**Organized by
Department of Mechanical Engineering
Government Engineering College, Jamui
Under
Science, Technology and Technical
Education Department**

Jamui, Bihar – 811313, India
Web: <https://www.gecjamui.org/>

About the Workshop

This Workshop is in line to the theme of providing a platform to expose the participants to the current and future challenges with their possible solutions along with brushing up the fundamentals of computational fluid dynamics. Lectures, exhaustive discussion, mutual interaction and idea sharing will certainly open an avenue to take a leap in the direction of mitigating the ongoing and future industrial needs in scientific ways.

Objectives

The objective of this workshop on Advanced Computational Fluid Flow Analysis through Ansys is to leverage the capabilities of Ansys software to perform detailed computational fluid dynamics (CFD) analysis, focusing on accurately modeling complex fluid flow phenomena, optimizing fluid systems, enhancing design efficiency, and validating simulations against experimental data.

Topics to be Covered

- Introduction to CAE
- Introduction to Ansys Workbench
- Sketching and Part Modeling in Design Modeler
- Solid Modeling Fundamentals
- Modeling Techniques
- Defining Material Properties and Meshing
- Thermal Stress Analysis
- Flow Analysis

Resource Persons/Speakers

Faculties/Experts from IITs, NITs, and other premier Institutions/Organizations will deliver the lectures.

Targeted Participants

Faculties from engineering institutes, universities, research scholars, UG/PG students, and other educational institutes as well as employees of industries.

Seats are limited for this workshop. Applications will be accepted on *first- cum-first served basis*.

Registration Link

Ctrl+Click here or copy below link in the browser to register yourself

https://docs.google.com/forms/d/1B43yNIZikFuyLUmp5SaqZj6Td2Ejm_mrgQLR3A4A6z9I

Registration Fee Details

Participants	Amount (in Rs.)
Students	500/-
Participants from Academia/R&D Labs	1000/-
Participants from Industries	2000/-

Account Details:

Account Holder Name: Principal Government Engineering College Jamui

Account No:37521492009

Bank Name: State Bank of India Jamui

IFSC Code: SBIN0000097

Kindly upload the payment receipt in the Google registration form and submit it on 18-06-2024 at the registration desk.

Panorama of Jamui

Three hours from the capital Patna, Jamui offers a glimpse of its remarkable natural beauty. It is known for its historical significance, with archaeological sites dating back to the Mauryan period. The region surrounded by lush greenery and scenic landscapes. Places like Lachhuar Jain Temple, Patneshwar Mandir, Bhim Bandh, Nagi Dam Bird Sanctuary etc add more charm to its glory. Additionally, sacred city Deoghar is nigh from Jamui, is an unmissable pilgrimage. Jamui has a rich cultural heritage, with various festivals like Kali Mela and traditions celebrated throughout the year.

How to reach

Jamui has a direct rail link with Delhi-Patna-Howrah route, with many train services available on daily basis. The campus is approximately 16 KMs from the Jamui railway station. Besides railways, flights are also operational. Gaya, Patna, and Deoghar airports are some available options.

Note:

- **Registration is compulsory for all participants.**
- **The registration fee is non-refundable.**
- **Certificates will be awarded to registered participants with minimum attendance of 75% of the program.**
- **Accommodation and meal will be provided in the institute.**
- **No TA/DA will be provided to the participants.**

