

## About the programme

Faculty Development Program on Engineering Simulations using ANSYS is an entry level introductory training program. This FDP is aimed at the faculty of Mechanical Engineering as well as working professionals that calls for a basic interest and aptitude in CFD and/or FEM analysis. While carrying out own numerical coding for fluid dynamics may give full control on the solution parameters, sufficiently accurate and comparatively easier solutions can also be achieved using a commercial simulation software such as ANSYS Workbench®. Considering the re-engagement with the mathematics involved behind the governing physics and numerical techniques behind the solver as very important, the program strives to present them in simpler ways such that one can connect with the fundamentals and disseminate them to own students of the subject and B. Tech/ M. Tech projects on CFD/FEM.

## Topics covered

- Numerical Techniques in CFD
- Computer Implementation of the Finite Element Method
- Grid generation for CAE
- Meshing and advanced controls in ANSYS Meshing®
- Hands-on workshops with ANSYS Meshing, Structural and Fluent

## Eligibility

The faculty members of AICTE approved Institutions, Universities, research scholars; participants from Government, Industry (Bureaucrats/ Technicians/Industry experts etc.) and professionals from R&D labs. Number of participants is limited to 40. There is a course fee of only Rs.500.00 and preference will be given to new participants. Selection of the participants will be based on the first come first serve basis.

## Registration

Registration fee Rs. 500.00 only. Registration has to be done only through: <https://www.jgec.ac.in/> After registration, submit the scanned copy of the registration form to: [arijit.kundu@me.jgec.ac.in](mailto:arijit.kundu@me.jgec.ac.in) by 30.06.2023

## Platform

The entire FDP will be conducted offline at the class room and laboratory of the department. The details of the program schedule will be sent to the registered participants by Email and WhatsApp. It is mandatory to attend the test that will be conducted in the last day of the FDP related to the topics covered. It is also mandatory for the participants to have a minimum of 80% attendance and 60% marks in the test to earn the certificate.



60  
YEARS

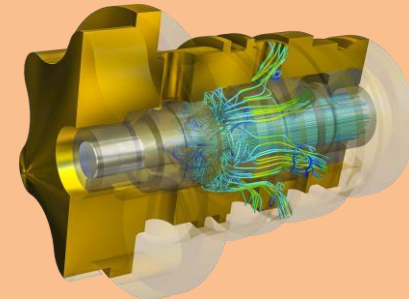
A Two Weeks

## Faculty Development Program (FDP) on Engineering Simulations using ANSYS

14<sup>th</sup> – 25<sup>th</sup> August, 2023

Coordinator

*Dr. Arijit Kundu*



Organized by

DEPARTMENT OF MECHANICAL ENGINEERING  
Jalpaiguri Government Engineering College

[www.jgec.ac.in](http://www.jgec.ac.in)

Jalpaiguri  
West Bengal India 735102

## About The Institute

The College established in 1961 is a premier Engineering College in the State of West Bengal in a sprawling campus of 160 acres. It holds the distinction of being the second oldest Engineering College in West Bengal after IIT Kharagpur. Jalpaiguri Government Engineering College has steadily been ranked as one of the top most educational institute in the country. The College is situated at the outskirts of Jalpaiguri Town, the Divisional HQ of seven Districts of North Bengal. The College offers Bachelor degrees (B.Tech) in six branches and Master degrees (M. Tech) in two branches of Engineering. Jalpaiguri Government Engineering College is affiliated to West Bengal University of Technology (WBUT), from 2016 being autonomous and approved by All India Council for Technical Education (AICTE). The government college is also accredited with NAAC.

## The Department

Mechanical Engineering Department is one of the oldest and biggest departments of the institute with student strength of about 400 and facilitated with 12 laboratories. The department currently provides: B.Tech.; M.Tech in Production Technology and Management; and Ph.D. Apart from that, several scientific and engineering research projects sanctioned from the Department of Higher Education, Science and Technology & Biotechnology, Government of West Bengal are running under the faculties of the department.

## Course Faculty

Eminent academicians from renowned institutions along with experts from Jadavpur University and practicing professionals from IIT Kharagpur.

## Important Dates

Registration by: **30th June 2023**  
Intimation of selection: **5th July 2023**  
Confirmation of participation: **10th July 2023**

## TA/DA, Accommodation

No TA/DA will be paid to the participants. Accommodation can be availed at nominal rates in the institution on prior intimation. Lunch and tea/coffee will be served for the participants.

## Registration Details

Account: Principal, Jalpaiguri Govt. Engineering College  
Account No: 11444523106  
IFSC Code: SBIN0007194  
State Bank of India  
Branch: Danguajhar



## Patron

**Prof. Amitava Ray, Principal**

## Advisory Committee

**Prof. Subrata Bhattacharya**

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**Prof. Goutam Kumar Panda**

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**Mr. Ashim Mahapatra**

**Mr. G.C. Chell**

**Mr. Sujan Roy**

**Mr. Rajesh Roy**

## Course Coordinator

**Dr. Arijit Kundu**

**Professor**

## Course Joint Coordinator

**Dr. Md. Naim Hossain**

**Assistant Professor**

**Department of Mechanical Engineering**

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