

## **GEC, MUNGER ABOUT US**

Government Engineering College Munger was established in the year 2019 under Department of Science Technology and Technical Education, Government of Bihar. The college is approved by AICTE, New Delhi and affiliated to Bihar Engineering University Patna, with an aim of providing high quality technical education to UG level, the institute is also involved in Research and Development in engineering and technology.

## **DEPARTMENT OF MECHANICAL ENGINEERING**

The Department of Mechanical Engineering presently offers B.Tech in Mechanical Engineering, with well-equipped laboratories, to achieve the aspiring goal of the state & the nation to become Global Manufacturing Hub. GEC, Munger stands as one of the premier centers of knowledge & learning in the state of Bihar. The department encourages students to engage in research and develop different models with problem solving approach in the field of mechanical engineering. Additionally, it offers Research & Consultancy services to wide variety of industries and organizations through training, workshops, technology transfer, capacity building, and awareness programs, contributing to the upliftment of society. The Department also collaborates with other premier educational Institutions and industries in learning and development of the Cutting Edge Technology.

### **PATRON**

Dr. Alok Kumar Singh  
Principal, GEC, Munger

### **CONVENOR**

Dr. Manish Kumar  
Assistant Professor, ME  
Email: manish.gecmunger@gmail.com

### **CO - ORDINATOR**

Prof. Rashmi Rani  
Assistant Professor, ME  
Email: rashmiranirns@gmail.com

### **ADVISORY COMMITTEE MEMBER**

Prof. Ujjwal Kumar, Assistant Professor  
Prof. Sonu Anand, Assistant Professor  
Prof. Anant Kumar, Assistant Professor  
Prof. Rahul Kumar, Assistant Professor  
Prof. Chanchal Kumar, Assistant Professor  
Prof. Pawan Kumar Mandal, Assistant Professor  
Mr. Satyam Dewivedi, Technical Expert DSEU

## **Expert Talk**

On  
**Modern Trend and Application  
Of  
Scientific Computation In Engineering**

**13<sup>th</sup> December, 2023**

**Timing: 12:05 PM**



**ONLINE/ OFFLINE MODE**

**Organized by  
Research and Development Cell  
&  
Department of Mechanical Engineering  
Government Engineering College Munger,  
Bihar 811202**

## ABOUT THE EXPERT TALK

Scientific computation plays a crucial role in engineering by utilizing mathematical models and algorithms to solve complex problems. Engineers use computational methods for simulations, optimization, data analysis, and designing systems. It involves applying numerical techniques to solve equations, model physical systems, analyze structures, and simulate real-world scenarios to aid in decision-making and innovation within various engineering disciplines.

## TALK THEME

The following topics will be covered in depth during Talk,

- Importance of scientific computation in engineering.
- Challenges in the field of scientific computation.
- Introduction of Computational fluid dynamics as a tool of scientific computation.
- Various Case studies for scientific calculations in different fields of engineering using Open Foam as CFD tool.
- Discussion on various tools available for scientific computation.

## RESOURCE PERSON



**Mr. Irwin Osmond Toppo**  
**Assistant Professor**  
Department of Mechanical and  
Automation Engineering  
GB Pant DSEU Okhla-I Campus

## CONTACT DETAILS

Prof (Dr.) Manish Kumar  
(Mob No. 8083158093)  
Prof. Rashmi Rani  
(Mob No. 9955834470)

## IMPORTANT INFORMATION

- Expert Talk on 13<sup>th</sup> December 2023.
- Last date of registration is 12<sup>th</sup> December 2023
- Visit our college website for update <https://gecmunger.org/>
- For any query feel free to reach us.

## WHO CAN ATTEND

Academics, Faculty members, Engineers, Consultant, Research Scholars, PhD, PG and UG students of any field can participate in this seminar. *E-Certificate will be issued to all the participants who will attend the sessions.*

## REGISTRATION DETAILS

REGISTRATION LINK:-

<https://forms.gle/g2p5eRVKLPVo3pTN7>

