

### **Mechanical Engineering Department Expert lecture (28<sup>th</sup> March, 2026)**

An expert lecture was successfully organized under the aegis of the R&D Cell of the Institute in association with the Department of Mechanical Engineering, HBTU Kanpur. The event witnessed active participation from approximately 80 students, including B.Tech, M.Tech, and Ph.D. scholars, along with 12 faculty members. The lecture featured two distinguished experts:

• **Dr. Vivek Kumar Patel, Applied Mechanics Department, MNNIT Allahabad**, delivered an insightful talk on “**Taming the Chaos: Understanding Turbulence from Experiments to CFD**”. He elaborated on the basics of turbulent flow and capturing the same using experiments and numerical tools like CFD.

Both sessions were highly informative and provided valuable exposure to cutting-edge research and industrial applications in modern mechanical engineering. The lectures also encouraged interaction, with students and faculty engaging in meaningful discussions with the speakers. The event proved to be a significant academic enrichment activity for the department, enhancing the knowledge base of participants in emerging and strategic areas of engineering. The **final programme flyer** and the **pictures of the sessions** are provided below for record and verification.

**RESEARCH AND DEVELOPMENT CELL**  
*In collaboration with*  
**MECHANICAL ENGINEERING DEPARTMENT**  
*Presents*  
**EXPERT LECTURE**

*Taming the Chaos: Understanding Turbulence from Experiments to CFD*



28 March, 2026



11 AM – 12:30 PM

**VENUE: SEMINAR  
ROOM (MED)**



**Dr. Vivek Kumar Patel,**  
Associate Professor,  
Applied Mechanics  
Department, MNNIT  
Allahabad

Organizers

Dr. Vinay Pratap Singh (HOD, ME & DSOE)

Dr. Rajesh Kumar Verma (Dean, R&D)

Dr. Nishant Kumar Singh (Assoc. Dean R&D)

Dr. Yashvir Singh and Dr. Rohit Kumar (Nodal Officer, R&D Cell)







