



# **Report on One-Day Workshop on “Computer Aided Manufacturing”**

**5<sup>th</sup> February 2026  
At CTTC, Rayagada**

***Organized by***  
**Department of Mechanical Engineering**  
**Gandhi Institute of Engineering and Technology University, Odisha, Gunupur**  
**(GIET University),**

## **One-Day Workshop on Computer Aided Manufacturing.**

The Department of Mechanical Engineering, Gandhi Institute of Engineering and Technology University (GIETU), Gunupur, Odisha, successfully organized a One-Day Workshop on Computer Aided Manufacturing on 5th February 2026 in collaboration with the Central Tool Room and Training Centre (CTTC), Rayagada, Odisha.

The objective of the workshop was to bridge the gap between theoretical knowledge and practical industrial applications in modern manufacturing systems. The program provided students with valuable exposure to advanced manufacturing technologies widely used in industries.

During the workshop, students were introduced to NX (NASTran/Siemens NX) software, where they learned the fundamentals of CAD/CAM integration and toolpath generation. Experts from CTTC demonstrated the complete process of mold manufacturing using CNC machines, starting from design to machining, which helped students understand real-time industrial workflows.

The session also covered Injection Molding Technology, where students gained insights into mold design, machine components, process parameters, and defect analysis. Practical demonstrations helped participants understand how plastic components are mass-produced with precision and efficiency.

In addition, students were exposed to emerging technologies such as Augmented Reality (AR) and Virtual Reality (VR) systems, which are increasingly being adopted in manufacturing for training, simulation, and design validation. The AR/VR demonstration enabled students to visualize complex manufacturing processes in an interactive and immersive manner.

The workshop was highly informative and interactive, enhancing students' technical skills and industrial awareness. It provided a valuable learning experience and motivated students to explore advanced manufacturing technologies for their future careers.

# EVENT FLYER



## DEPARTMENT OF MECHANICAL ENGINEERING

Gandhi Institute of Engineering and Technology University,  
Gunupur, Odisha

ONE DAY WORKSHOP ON  
COMPUTER AIDED MANUFACTURING



CENTRAL TOOL ROOM AND  
TRAINING CENTRE (CTTC)  
RAYAGADA, ODISHA

[www.giet.edu](http://www.giet.edu)



5<sup>TH</sup> FEBRUARY 2026





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