IIMT
COLLEGE OF ENGINEERING
Greater Noida
— Aim For Excellence —

MECHATROMA

Department of Mechanical Engineering

Newsletter Highlights

- AutoCAD Competition
- Faculty Achievements



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VOLUME XXI, ISSUE II
NEWSLETTER

April-June 2026

From Chief Editor's Desk



Dr. Nitin Kumar Waghmare

HOD, Mechanical Engineering

Dear Readers,

I am delighted to welcome you to the latest edition of our quarterly newsletter. This publication is a testament to our collective achievements, ongoing projects, and the vibrant spirit that drives our department forward. We strive to bring you the most relevant and inspiring stories each quarter, highlighting our team's incredible work and dedication.

During the last quarter (April-June 2025), the department has made significant contributions in various domains such as teaching and research, product development, sponsored projects, outreach activities and students' achievements. I am sure this issue will give a glimpse of the above.

Great things are often the culmination of a series of small, seemingly insignificant actions brought together with purpose and dedication. It is the accumulation of these small efforts that ultimately leads to extraordinary achievements. Each tiny step forward, each decision made with care, and each challenge overcome contributes to a larger tapestry of success.

The power of small actions lies not in their individual magnitude but in their collective impact. Like the threads of a rope, each strand may be weak on its own, but when woven together, they form an unbreakable bond. Similarly, the small things we do each day—whether it's learning a new skill, helping someone in need, or pushing through a difficult task—may seem minor in isolation. However, when combined over time, they become the foundation upon which great things are built.

Embracing this mindset allows us to approach challenges with a sense of hope and resilience. It reminds us that every small victory is a step closer to achieving our dreams. So, let us celebrate the small wins, for they are the building blocks of greatness. By focusing on the journey, one small step at a time, we can create something truly remarkable.

Thank you and best wishes

Dr. Nitin Kumar Waghmare
Chief Editor & HOD
Dept. of Mechanical Engineering



VOLUME XXI, ISSUE II
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WORKSHOP ON

AUTOCAD COMPETITION

The Department of Mechanical Engineering at IIMT College of Engineering successfully organized a "Workshop on AutoCAD Competition" on 6th April 2026. The event aimed to enhance the practical CAD skills of students and promote technical creativity in engineering design.

1. Introduction

The workshop-cum-competition was conducted to provide hands-on exposure to computer-aided design tools and to encourage students to apply theoretical knowledge in solving real-world design problems. The event witnessed enthusiastic participation from Mechanical Engineering students, particularly from the second year.

2. Objective of the Event

- To develop proficiency in CAD software such as AutoCAD and DraftSight
- To strengthen understanding of engineering drawing concepts
- To enhance problem-solving skills through practical design tasks
- To promote healthy technical competition among students

3. Activity Details

Students were assigned a structured CAD activity focused on creating a 2D engineering drawing of a flange plate using standard drawing practices.

CAD Activity Overview

To create a 2D engineering drawing using CAD software by applying drawing commands, coordinate systems, and dimensioning techniques.

Learning Objectives:

- Understand basic commands (LINE, CIRCLE, ARC, etc.)
- Use coordinate systems (absolute, relative, polar)
- Apply object snaps and constraints
- Perform editing operations (TRIM, OFFSET, FILLET)

Add dimensions and annotations

Software & Tools:

- AutoCAD / DraftSight
- Computer system

4. Task Description

Participants were required to design a flange plate based on the following specifications:

- Outer Circle Diameter: 100 mm
- Inner Circle Diameter: 50 mm
- Bolt Circle Diameter (BCD): 75 mm
- Number of Holes: 4
- Hole Diameter: 10 mm



5. Procedure Followed

Students executed the task step-by-step:

1. Set up drawing environment (units, grid, OSNAP)
2. Drew outer and inner circles
3. Created bolt circle
4. Generated bolt holes using polar array
5. Applied modifications (TRIM, cleanup)
6. Added dimensions and annotations
7. Verified accuracy and finalized drawing

6. Participation

The competition saw active participation from second-year and third-year Mechanical Engineering students. Participants demonstrated strong enthusiasm and technical competency throughout the session.

7. Results

After careful evaluation based on accuracy, completeness, and presentation of drawings, the following students were declared winners:

- Winner: Rishabh Robin
- Runner-up: Abhinav

(Both from 2nd Year Mechanical Engineering)

8. Outcome of the Workshop

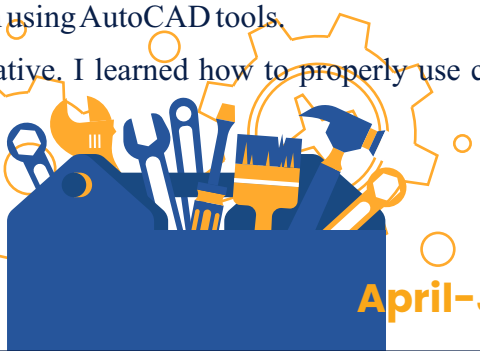
- Students gained practical exposure to CAD tools
- Improved understanding of engineering drawing standards
- Enhanced confidence in using AutoCAD commands
- Encouraged teamwork and competitive spirit

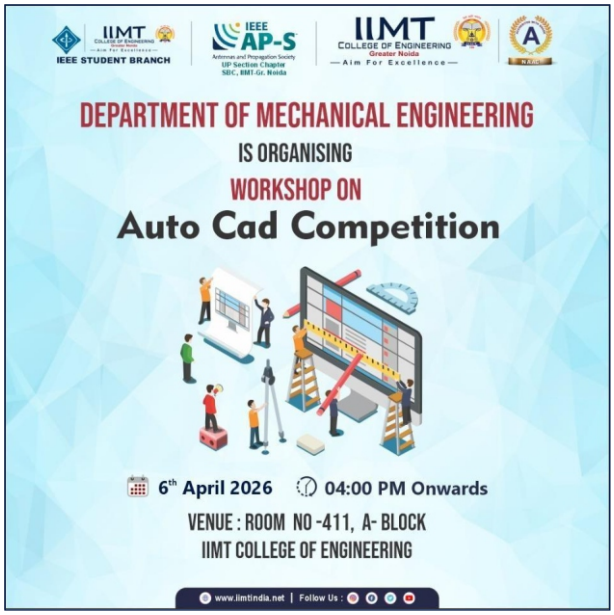
9. Conclusion

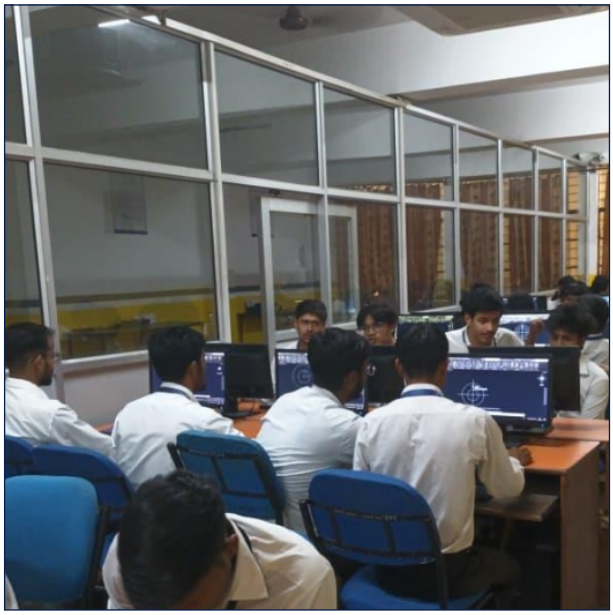
The "Workshop on AutoCAD Competition" was a great success. It effectively bridged the gap between theoretical learning and practical applications. The Mechanical Engineering Department looks forward to organizing more skill-oriented events in the future to support students' technical growth.

10. Feedback:

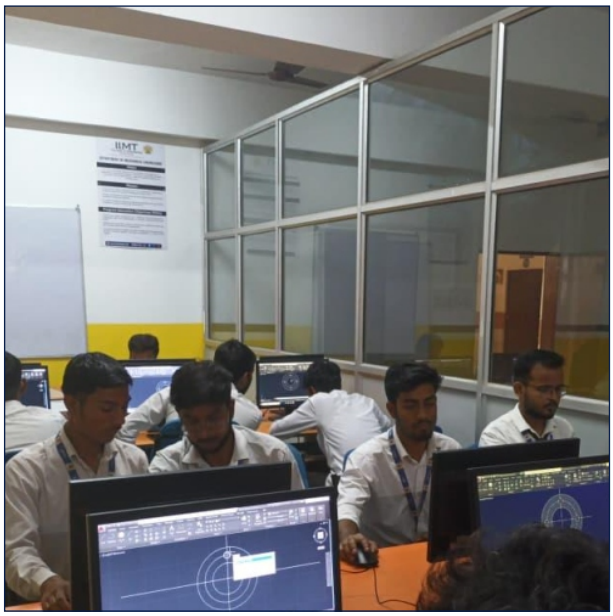
1. **Rishabh:** The workshop was very well organized and highly practical. The flange design activity helped me strengthen my understanding of CAD commands like ARRAY and TRIM.
2. **Harkirat:** I found the session extremely useful for improving my drafting speed and accuracy. The step-by-step procedure made it easy to follow, and the competition added excitement to the learning process.
3. **Abhinav**: This workshop enhanced my confidence in using AutoCAD tools.
4. **Saif Alam:** The activity was engaging and informative. I learned how to properly use coordinate systems and dimensioning techniques.







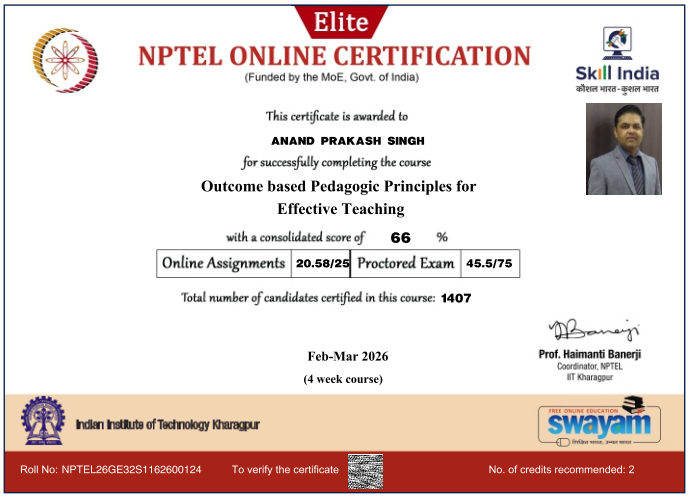






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FACULTY ACHIEVEMENTS



Elite

NPTEL ONLINE CERTIFICATION

(Funded by the MoE, Govt. of India)

Skill India
कौशल भारत-कुशल भारत

This certificate is awarded to

ANAND PRAKASH SINGH

for successfully completing the course

Outcome based Pedagogic Principles for Effective Teaching

with a consolidated score of **66** %

Online Assignments	20.58/25	Proctored Exam	45.5/75

Total number of candidates certified in this course: **1407**

Feb-Mar 2026

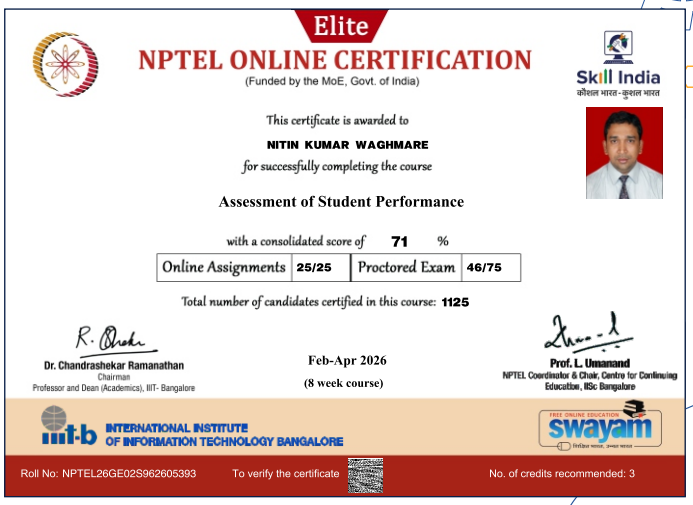
(4 week course)

Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur

Indian Institute of Technology Kharagpur

swayam

Roll No: NPTEL26GE32S1162600124 To verify the certificate No. of credits recommended: 2



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कौशल भारत-कुशल भारत

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NITIN KUMAR WAGHMARE

for successfully completing the course

Assessment of Student Performance

with a consolidated score of **71** %

Online Assignments	25/25	Proctored Exam	46/75

Total number of candidates certified in this course: **1125**

Dr. Chandrashekar Ramanathan
Chairman
Professor and Dean (Academics), IIIT- Bangalore

Feb-Apr 2026

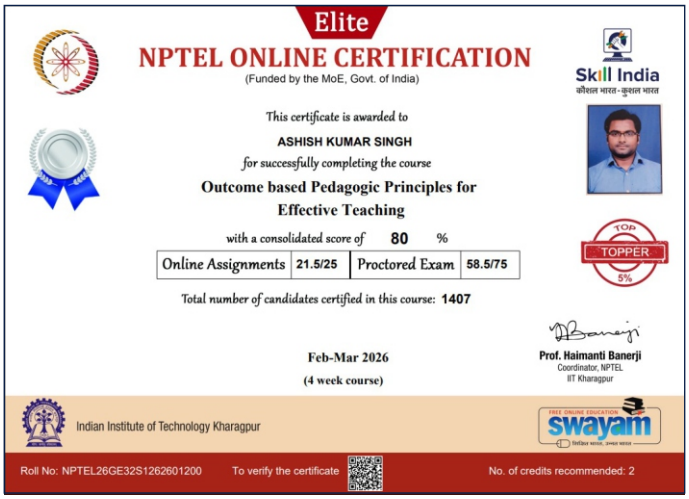
(8 week course)

Prof. L. Umanand
NPTEL Coordinator & Chair, Centre for Continuing Education, IISc Bangalore

INTERNATIONAL INSTITUTE OF INFORMATION TECHNOLOGY BANGALORE

swayam

Roll No: NPTEL26GE02S962605393 To verify the certificate No. of credits recommended: 3



Elite

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Skill India
कौशल भारत-कुशल भारत

This certificate is awarded to

ASHISH KUMAR SINGH

for successfully completing the course

Outcome based Pedagogic Principles for Effective Teaching

with a consolidated score of **80** %

Online Assignments	21.5/25	Proctored Exam	58.5/75

Total number of candidates certified in this course: **1407**

TOP TOPPER 5%

Feb-Mar 2026

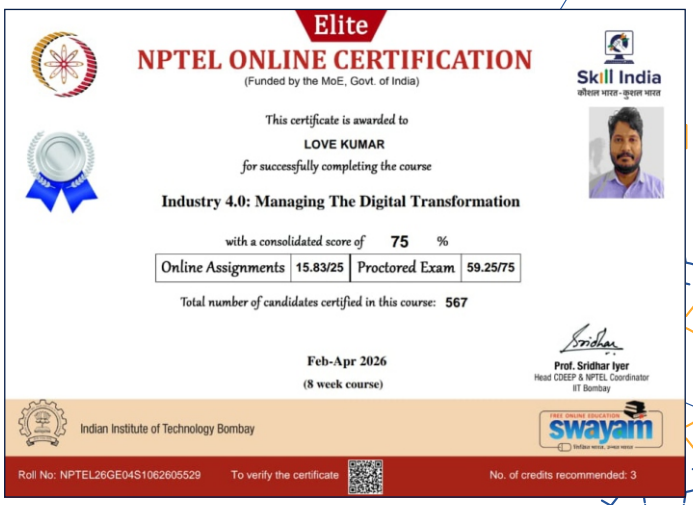
(4 week course)

Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur

Indian Institute of Technology Kharagpur

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LOVE KUMAR

for successfully completing the course

Industry 4.0: Managing The Digital Transformation

with a consolidated score of **75** %

Online Assignments	15.83/25	Proctored Exam	59.25/75

Total number of candidates certified in this course: **567**

Feb-Apr 2026

(8 week course)

Prof. Sridhar Iyer
Head CDEEP & NPTEL Coordinator
IIT Bombay

Indian Institute of Technology Bombay

swayam

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L&T EduTech

COURSE CERTIFICATE

Jul 7, 2026

KRISHNA KUMAR KAROTHIYA

has successfully completed

Robotics Engineering & Applications

an online course authorized by L&T EduTech and offered through Coursera

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Subject Matter Expert
L&T Edutech

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