



योग: कर्मसु कौशलम्

**Darshan**  
UNIVERSITY

**DIPLOMA**  
MECHANICAL ENGINEERING



A  
**technical**  
**Diploma**  
program  
that focuses on  
**skill & practical oriented**  
education to make students  
**industry & socially capable**

# Mechanical Engineering

The Mechanical Engineering is one of most diverse and versatile branch. It is the application of science and technology to solve real life problems. The program emphasizes the strong theoretical fundamentals of Mechanical Engineering by imparting practical and hands-on experience.

*This program is ideal for the students who wish to pursue their career in industrial sectors like Automobile, Aviation, CAD/CAM, Defence, Energy, FMCG, HVAC, Manufacturing, Marine, Railways, Oil & Gas, Pharma, Robotics and many more...*

## Diploma Engineering in Mechanical @ DU

The Department aims to provide an academic atmosphere and industrial exposure to young minds by focusing on various skills apart from curriculum. The department have highly qualified and experienced faculties that follows the student oriented system for the betterment of students.

# 11

**State-of-art Laboratories**  
(Well-equipped laboratories as per the need of industry)

# 5

**Futuristic Laboratory**  
AR Studio, 3D Printing, Pneumatics, Robotics, AI & ML

# 40+

**High-End Computers**  
for extensive training on CAD/CAM/CAE software

## Syllabus (As per NEP-2020)

### Semester-1

- Environmental Studies
- Mathematics – I
- Engineering Drawing
- Workshop
- Foundational English
- Induction Program

### Semester-2

- Mathematics – II
- Engineering Physics
- Fundamental of Mechanical Engineering
- Indian Constitution
- Computer Aided Mechanical Drafting
- Material Science and Metallurgy

### Semester-3

- Office Automation Tools
- Fluid Mechanics
- Manufacturing Processes
- Mechanical Measurement-I
- Mechanics of Solid
- Professional Communication

### Semester-4

- Indian Knowledge System
- Kinematics and Machine Design
- Manufacturing Engineering-I
- Mechanical Measurement-II
- Solid Modeling
- Seminar with Minor Project

### Semester-5

- Life Management & Human Values
- Manufacturing Engineering- II
- Thermal Engineering
- Professional Elective – I
- Professional Elective – II
- Open Elective – I
- Capstone Project Part – I

### Semester-6

- Computer Aided Manufacturing
- Mechanical Solid Modeling
- Career Orientation
- Professional Elective – III
- Capstone Project Part – II

### Elective Subjects

- |                           |                            |                               |                                    |
|---------------------------|----------------------------|-------------------------------|------------------------------------|
| • Estimation & Costing    | • Renewable Energy Tech.   | • Banking System              | • Web Designing                    |
| • Operations Management   | • Industrial Engg. & Mgmt. | • Energy Conservation & Audit | • Fundamental of Civil Engineering |
| • Power Plant Engineering | • Production Mgmt. System  |                               |                                    |



## Skill Development Activities



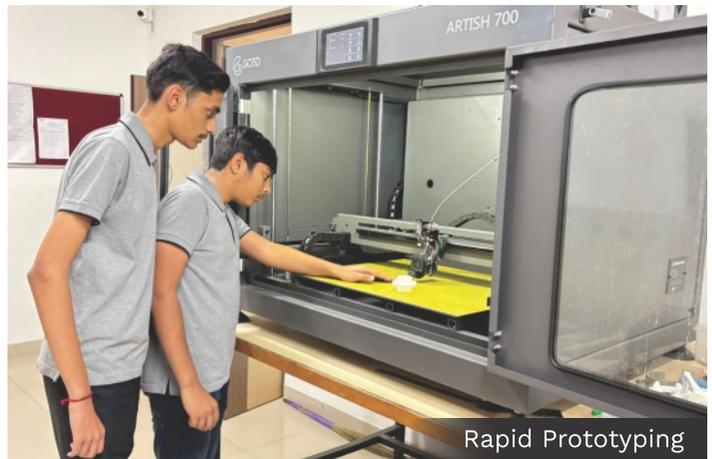
Unmanned Aerial Vehicle



Industrial Automation



Laser Cutting and Engraving Machine



Rapid Prototyping



CNC/VMC



Metallurgical Microscope



CAD/CAM



Project Exhibition

## Industry Oriented Skills @ DU

 AutoCAD	 MS-Office	 Soft Skills	 AR/VR	 CNC	 Aptitude Test
 GD&T	 Casting Practice	 NX Software	 Rapid Prototyping	 Robotics	 Mock Interview

## Cutting Edge Laboratory

 Robotics Lab	 AI & ML Lab
 Rapid Prototyping Lab	 Unmanned Aerial Vehicle Lab
 AR/VR Lab	 Advanced Metallurgy Lab



## MoUs

				
				AND MANY MORE...

## Placement @ Glance

					
<b>AM/NS INDIA</b> A'ccolrMttel' k' ppanBstcel Ind e <b>KADAM MIHIR</b> CTC: 2.52 LPA	<b>AM/NS INDIA</b> A'ccolrMttel' k' ppanBstcel Ind e <b>UNJIYA DEV</b> CTC: 2.52 LPA	<b>AM/NS INDIA</b> A'ccolrMttel' k' ppanBstcel Ind e <b>BHALUR AMAN</b> CTC: 2.52 LPA	<b>GN ALTECH</b> <b>KOTAK DHARMIN</b> CTC: 2.34 LPA	<b>GN ALTECH</b> <b>TARAVIYA PARTH</b> CTC: 2.34 LPA	<b>GN ALTECH</b> <b>RAMANI OM</b> CTC: 2.34 LPA