



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



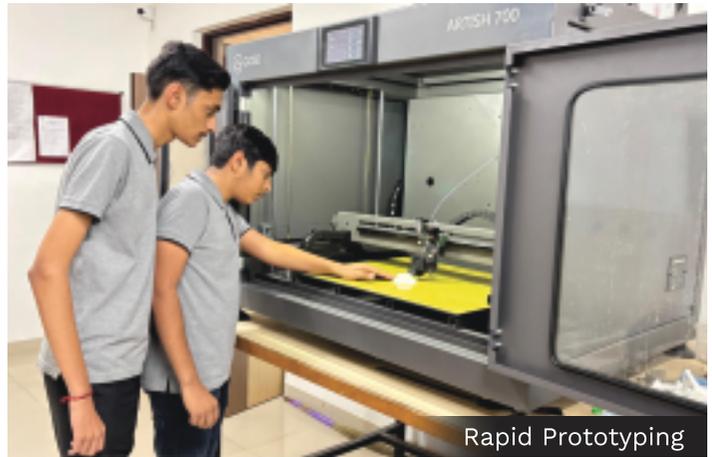
Unmanned Aerial Vehicle



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

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



MoUs

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|---|---|---|---|---|
|  |  |  |  |  |
|  |  |  |  | AND MANY MORE... |

Placement @ Glance

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|---|---|---|--|---|---|
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| KADAM MIHIR CTC: 2.52 LPA | UNJIYA DEV CTC: 2.52 LPA | BHALUR AMAN CTC: 2.52 LPA | KOTAK DHARMIN CTC: 2.34 LPA | TARAVIYA PARTH CTC: 2.34 LPA | RAMANI OM CTC: 2.34 LPA |