



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

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 & 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.
- Production Mgmt. System
- Banking System
- Operations Management
- Industrial Engg. & Mgmt.
- Power Plant Engineering
- Energy Audit



## Skill Development Activities



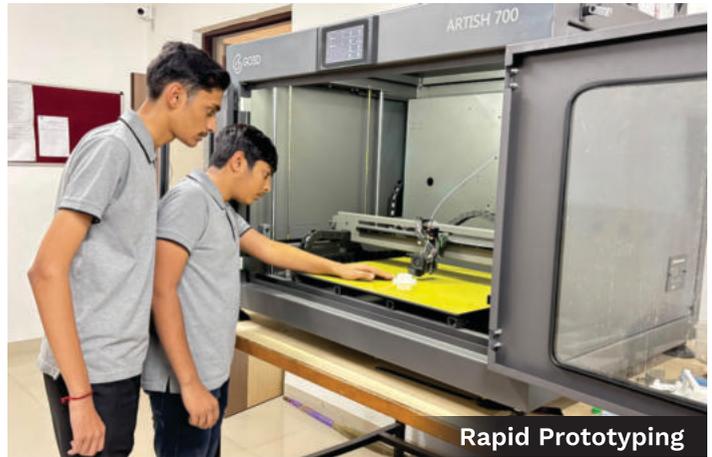
Unmanned Aerial Vehicle



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



GN ALTECH

ANDANI NEEL  
CTC: 2.59 LPA



GN ALTECH

VAGHELA RAKSHIT  
CTC: 2.59 LPA



GN ALTECH

RAMANI OM  
CTC: 2.59 LPA



AM/NS INDIA  
ArcelorMittal NipponSteel India

KADAM MIHIR  
CTC: 2.52 LPA



AM/NS INDIA  
ArcelorMittal NipponSteel India

UNJIYA DEV  
CTC: 2.52 LPA



AM/NS INDIA  
ArcelorMittal NipponSteel India

BHALUR AMAN  
CTC: 2.52 LPA

RECESSION **PROOF**



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### University Campus

- 📍 Rajkot-Morbi Highway, Rajkot – 363650
- ☎ 7096979952 / 62
- 🌐 www.darshan.ac.in

### Counseling Centre

- 📍 401, Lotus Arcade, 8 - Royal Park, Between KKV Circle & Indira Circle 150 Ft. Ring Road, Rajkot - 360005.
- ☎ 8200160653, 9879254198