



**DHARMSINH DESAI UNIVERSITY, NADIAD**  
**FACULTY OF TECHNOLOGY**  
**MECHANICAL ENGINEERING DEPARTMENT**





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**MECHANICAL ENGINEERING DEPARTMENT**

**Programs offered and Seat Matrix**

**B.Tech. in Mechanical Engg. – Total 75 seats.**

**With specialization in**

**1. Robotics and Automation**

**2. Electric Vehicles**

(Honors degree for Mechanical students and Minor degree for other engg. branch students)

**Course duration: 4 years**

- Lateral Diploma to Degree entry through ACPC in 2<sup>nd</sup> Year

**M.Tech (CAD/CAM) – 06 seats.**

**Course duration: 2 years**

- Admission Through ACPC
- Direct Admission for students who qualify the GATE exam
- The GATE-qualify students can avail of a stipend as per Govt. Rules.



## State of the art infrastructure



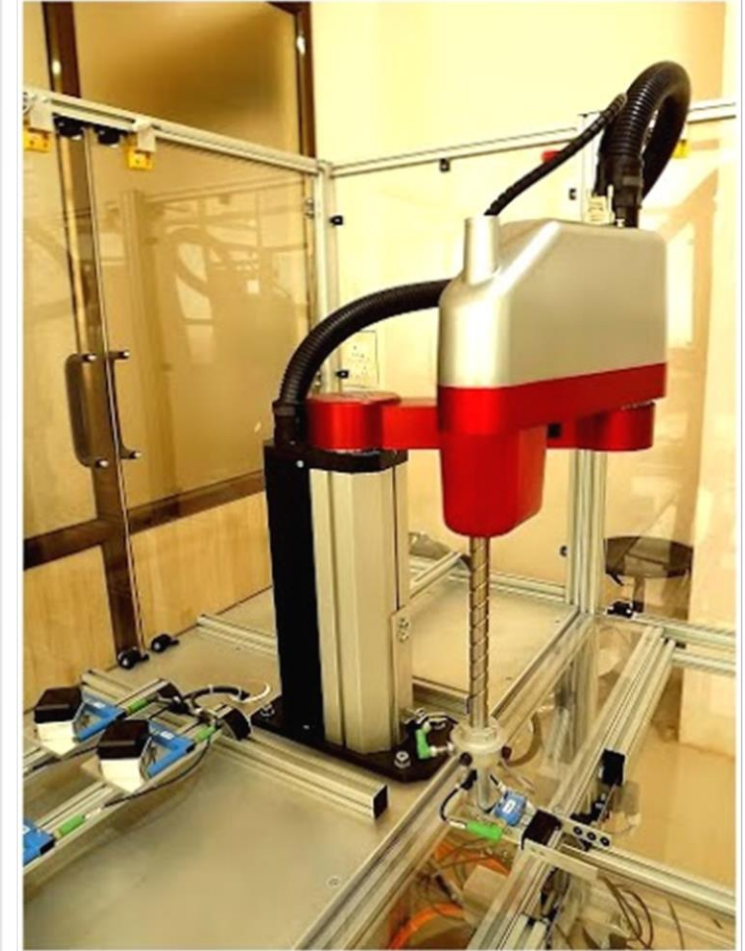
Mechanical Measurement & Metrology Lab



Dynamics of Machine Lab



Kinematics of Machine Lab



Robotics Lab





# State of the art infrastructure



Fluid Mechanics & Fluid Machines Lab



Material Science Lab



Power Plant Lab



Refrigeration & Air-Conditioning Lab





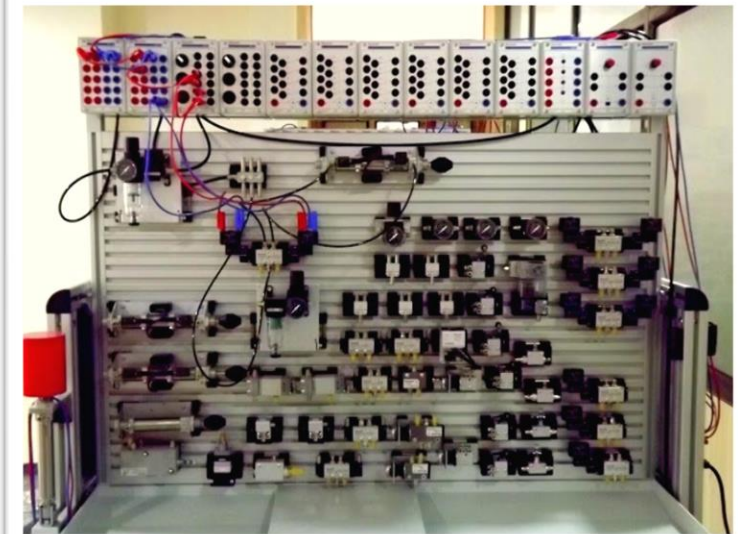
# State of the art infrastructure



Central Workshop



Hydraulics Lab



Pneumatics Lab

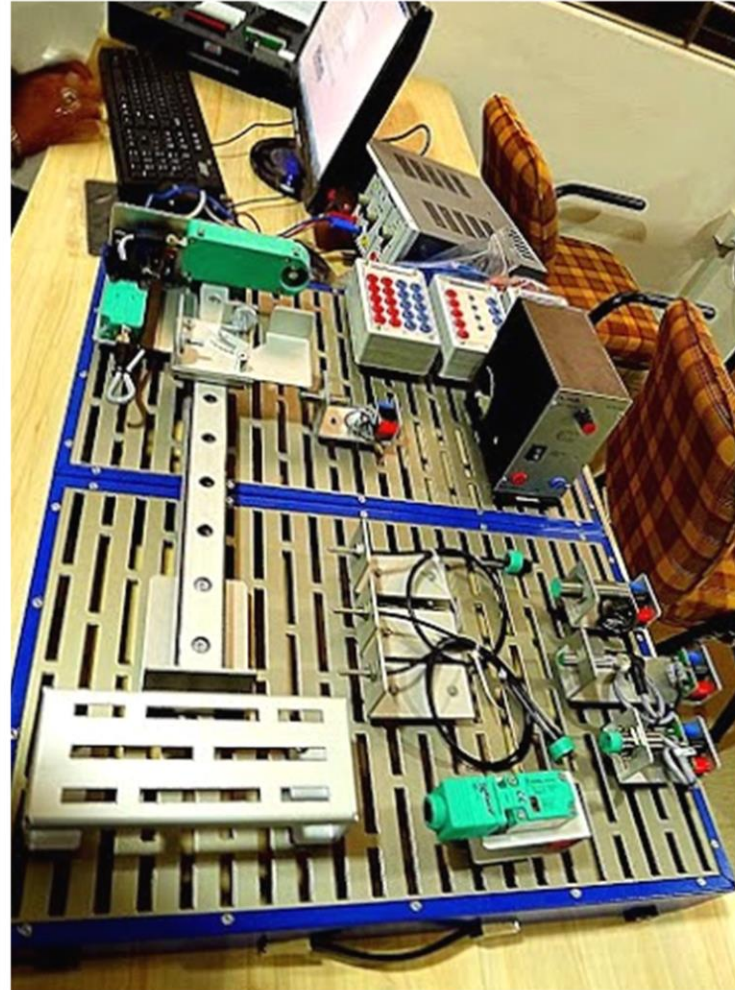




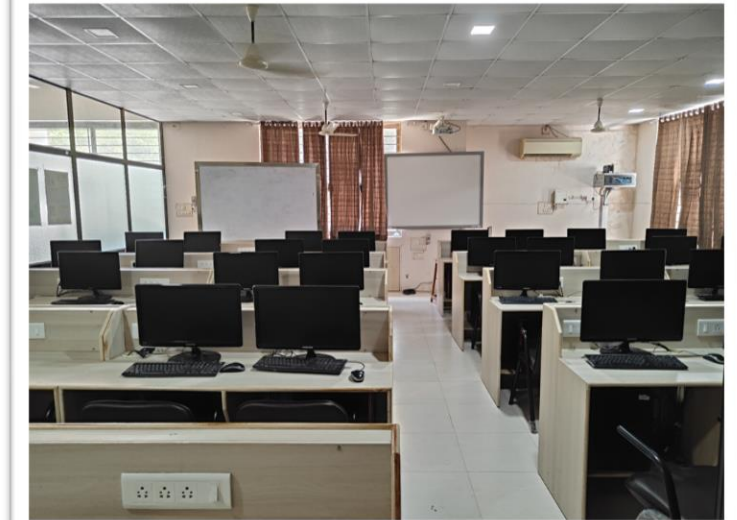
# State of the art infrastructure



PLC Lab



Sensorics Lab



CAD Lab





# State of the art infrastructure



IC Engine and Automobile Lab

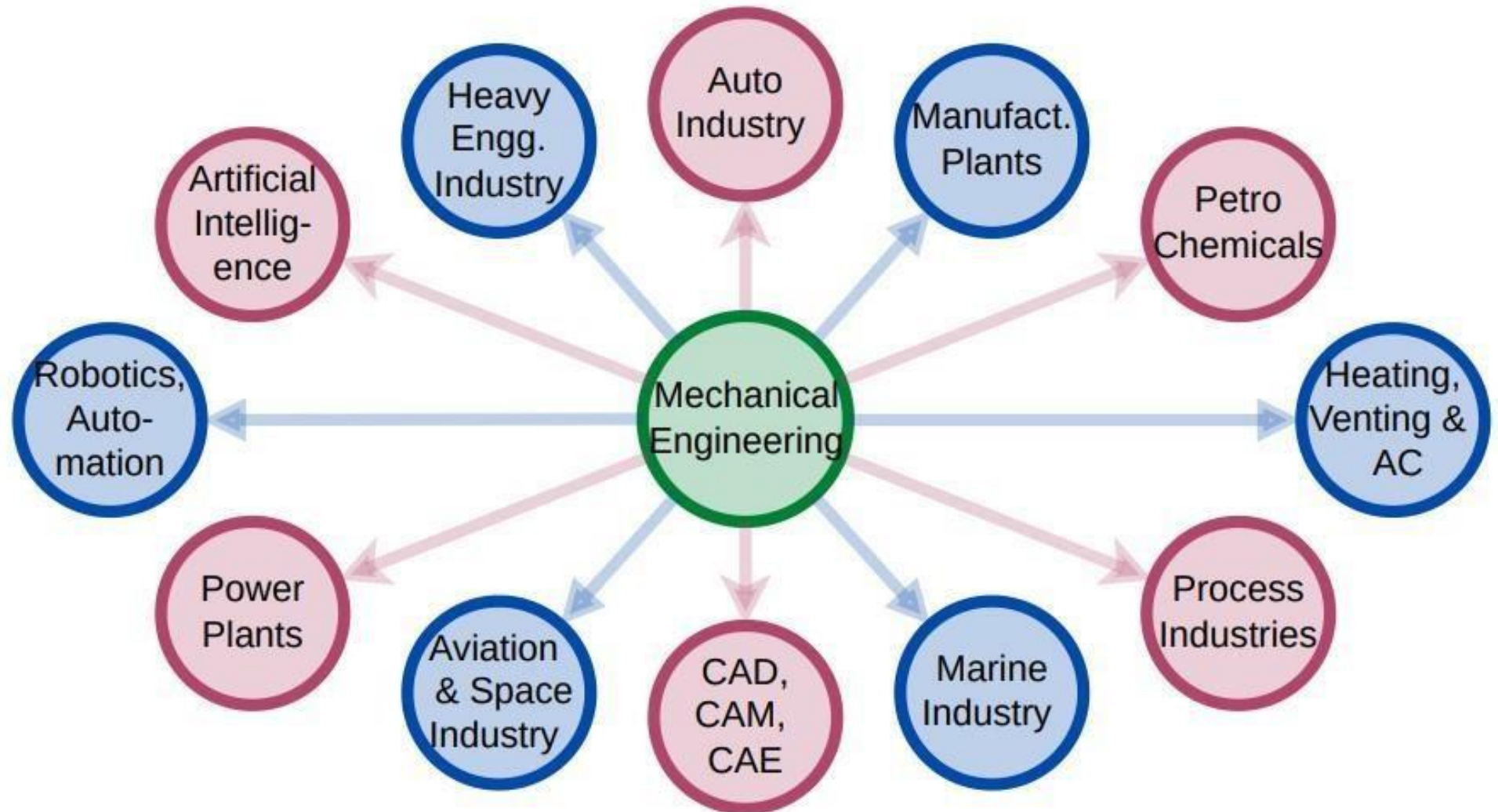


Programming Lab



AIML Lab

# SCOPE OF MECHANICAL ENGINEERING





# Why to choose DDU Mechanical ?

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01

## Unique Teaching- Learning Practice

*Student chapters, Training and Workshops and Industrial Visits  
Industrial Training*

02

## First-rate Placement Record

*Recruited by India's Finest Companies  
Roaring Placement Record*

03

## Patronage Higher Education

*Molding students interest in Specialization  
Securing admissions in Top global Universities*

04

## Building Leaders

*Developing Leadership skills to carve own path  
Encouraging students to be entrepreneur*

## LEARNING OUTSIDE THE CLASSROOM

- To enhance the technical skills of the students, the department frequently arranges Industrial visits, Seminars, Training Workshops, Expert Lectures, and Competitions.
- The [DDU ISHRAE student chapter](#) actively organizes various events for its student members to make them competent HVAC professionals.
- The [DDU Mechanical Engineering Student Association \(MESA\)](#) is another student chapter with a vision to help its student member in gaining contemporary knowledge by organizing various events.



01

# UNIQUE TEACHING-LEARNING PRACTICE

## LEARNING OUTSIDE THE CLASSROOM



**Glimpse of Student Training  
at  
Bosch-Rexroth Centre of  
Excellence for Robotics and  
Automation**



01

# UNIQUE TEACHING-LEARNING PRACTICE

## LEARNING OUTSIDE THE CLASSROOM



**Glimpse of Student Training at  
SAP - Center of Excellence on Emerging Technologies**



01

# UNIQUE TEACHING-LEARNING PRACTICE

## LEARNING OUTSIDE THE CLASSROOM



**Industrial Visits organized by the DDU ISHRAE Student Chapter**

## INDUSTRIAL TRAINING

- In the 8<sup>th</sup> semester, students have to undergo Industrial Training for 8 weeks.
  - While the majority of institutions focusing on academic concepts and principles in the classroom, our unique practice of teaching-learning set out for the students to sense the heat of the real world through Industrial Training in their last semester.
  - This practice enables students to clench on new industrial processes, business models, and corporate cultures quite before receiving their bachelor's degree and beginning their professional life.
-



### EXPOSURE TO DIVERSE INDUSTRIES

- Students are taking rich and in depth experience in their area of interest in different industries through Industrial Training and summer internships.

#### ❖ **Training undergone by students in various industries**

- ☐ Engineering Industries
- ☐ Process Industries
- ☐ Automobile Industries
- ☐ Chemical Industries
- ☐ OEM industries
- ☐ HVAC
- ☐ Automation

01

# INDUSTRIAL TRAINING

## Major Companies





### ORIGIN FOR PROFESSIONAL JOURNEY

- Providing a Platform where students can offer their knowledge and skills to India's finest industries.
- Our associated recruiters are giant conglomerates and MNCs offering a dream career to selected students.
- Our students are nurtured in such a way that they become competent to take up any challenge in their professional life.

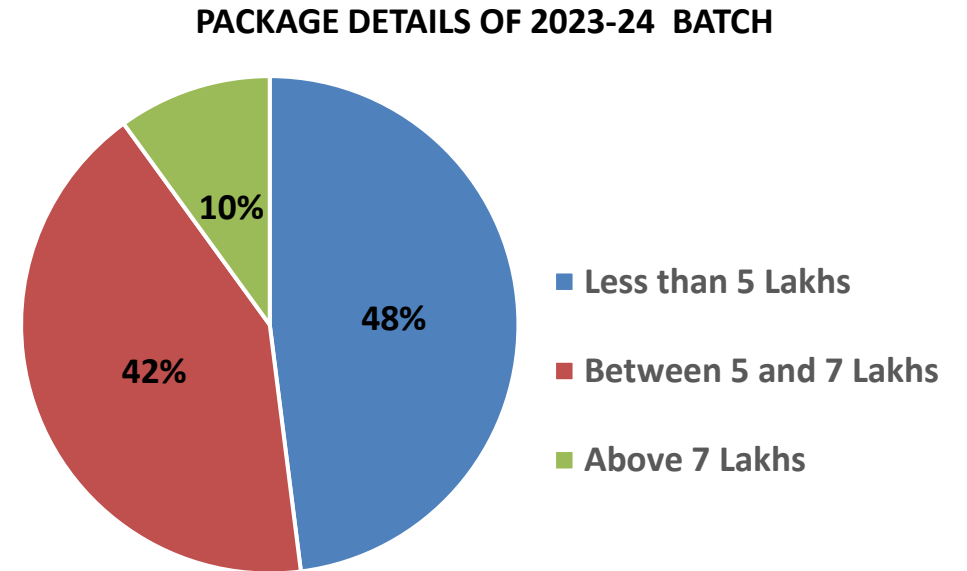
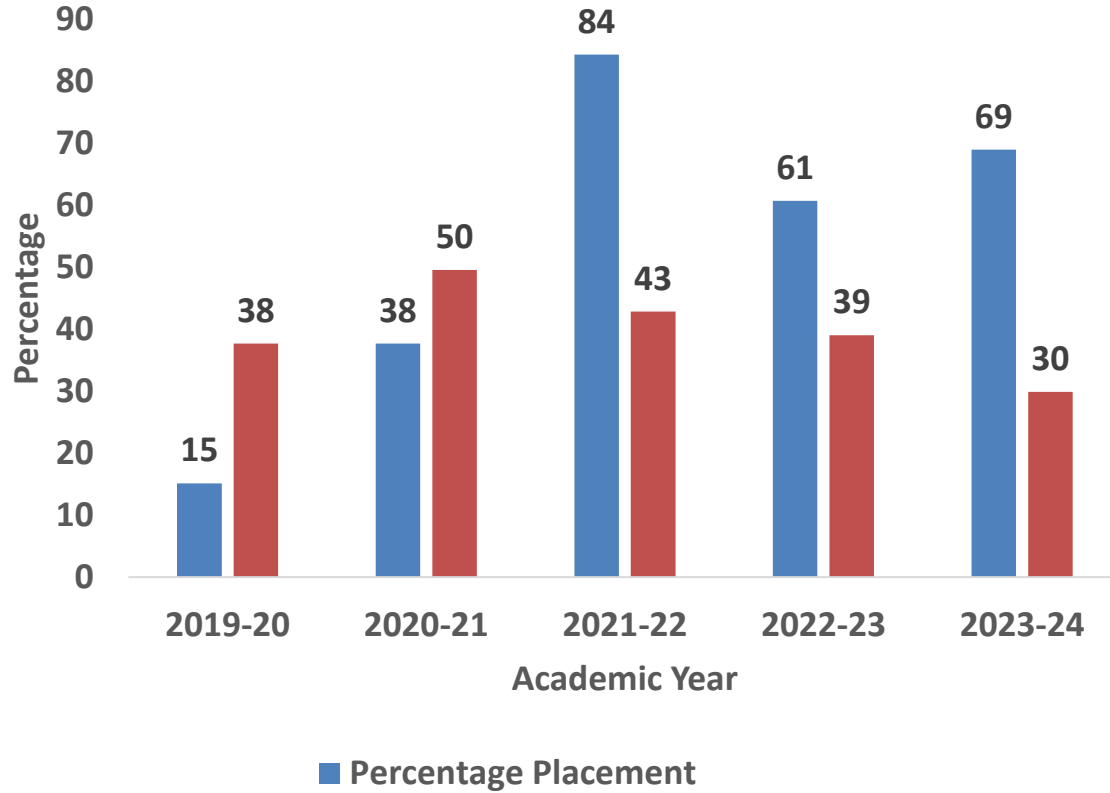
# PLACEMENT DETAILS

## Major Recruiters

The logo for Adani, featuring the word "adani" in a lowercase, sans-serif font with a color gradient from blue to purple.The logo for Worley, featuring a stylized globe icon followed by the word "worley" in a lowercase, sans-serif font.The logo for UPL, featuring a stylized orange and yellow sun-like icon followed by the letters "UPL" in a bold, sans-serif font.The logo for Rexroth, featuring the word "rexroth" in a lowercase, sans-serif font with a color gradient from blue to red, and the tagline "A Bosch Company" below it.The logo for Elecon, featuring a stylized blue and orange gear-like icon followed by the word "ELECON" in a bold, sans-serif font, with the tagline "GEARING THE FUTURE" below it.The logo for Aarti Industries, featuring a stylized orange and white globe icon followed by the text "AARTI INDUSTRIES" in a bold, sans-serif font.The logo for Atul, featuring the word "Atul" in a stylized, cursive orange font with a green swoosh underneath.The logo for AM/NS India, featuring the text "AM/NS INDIA" in a bold, red, sans-serif font.The logo for Reliance Industries Limited, featuring a stylized brown and gold icon above the word "Reliance" in a bold, serif font, with "Industries Limited" below it.The logo for PGP Glass, featuring a stylized orange and grey icon above the text "PGP GLASS" in a bold, sans-serif font.The logo for Suzuki, featuring a stylized red and white "S" icon above the word "SUZUKI" in a bold, blue, sans-serif font.The logo for Gujarat State Fertilizers & Chemicals Ltd., featuring a stylized orange and white "G" icon followed by the text "GUJARAT STATE FERTILIZERS & CHEMICALS LTD." in a bold, sans-serif font, with "Integrated Management System Certified Company" below it.The logo for Tata Chemicals Limited, featuring a stylized blue and white "T" icon above the word "TATA" in a bold, sans-serif font, with "TATA CHEMICALS LIMITED" below it.The logo for DCM Shriram, featuring a stylized blue and white diamond icon above the text "DCM SHRIRAM" in a bold, sans-serif font, with the tagline "Growing with trust" below it.The logo for MG, featuring a stylized red and white "MG" icon inside a silver octagonal frame.The logo for Deepak, featuring a stylized blue and yellow wave icon above the word "DEEPAK" in a bold, white, sans-serif font.The logo for Linde, featuring a stylized blue and white wave icon above the word "Linde" in a stylized, cursive white font.The logo for L&T Technology Services, featuring a stylized white "L" and "T" icon inside a blue circle, with "L&T Technology Services" below it.The logo for GNFC, featuring a stylized orange and white "G" icon inside a laurel wreath, with "GNFC" below it.The logo for GACL, featuring a stylized blue and yellow wave icon above the word "GACL" in a bold, sans-serif font, with the tagline "Promoting Green Technology" below it.The logo for KHS, featuring a stylized grey and white "KHS" icon.The logo for Honeywell, featuring the word "Honeywell" in a bold, red, sans-serif font.The logo for TCS, featuring the letters "tcs" in a stylized, lowercase, sans-serif font with a color gradient from blue to red, and "TATA CONSULTANCY SERVICES" below it.The logo for Infosys, featuring the word "Infosys" in a bold, blue, sans-serif font.



## PLACEMENT DASHBOARD



No of Students Placed	52
Maximum Package	7.8 Lakhs
Average Package	5.04 Lakhs
No of Companies Visited	45



Parekh Shivam (2020 -24)  
Graduate Trainee  
Suzuki Motors India Pvt. Ltd.



Patel Arjun (2020 -24)  
Officer Trainee  
Aarti Industries



Joshipura Tasmay (2019 -23)  
Graduate Trainee  
Adani Group



Shah Parth (2019 -23)  
Graduate Trainee  
DCM Shriram Ltd.



Prastav Bansal (2018 -22)  
Graduate Trainee  
Reliance Industries Ltd.



Shubham Sheth (2018 -22)  
Graduate Trainee  
Deepak Phenolics Ltd.





Deep Parikh (2017 -21)  
Graduate Trainee  
Reliance Industries Ltd.



Dignesh Mandanka (2016 -20)  
Piping Engineer  
Worley India Pvt. Ltd.



Krushang Raulji (2015 -19)  
Graduate Trainee  
Reliance Industries Ltd.



Patel Sunny (2015 -19)  
Mechanical Engineer  
Atul Chemicals Ltd.



Paidra Harshil (2014 -18)  
Purchase Engineer  
Tega Industries Ltd.



Panesara Akshay (2013 -17)  
Mechanical Engineer  
Nirma Chemicals Ltd.

- Today many engineering students are aspiring to overseas studies. They are determined for thriving in their career in developed countries.
- Department has resolutely supported many students to secure admission in high-ranked Indian as well as abroad universities for their Master.
- Department frequently organizes workshops where well-known professionals provide information regarding process and precautions for higher education in India as well as abroad.





- Adit Desai is one of the brilliant student of mechanical engineering, batch 2016-18.
- He achieved an impossible feat of scoring 340 / 340 in the GRE exam which is still a benchmark for many aspirants.
- He has completed his MS in Mechanical Engineering from Stanford University having T.H.E rank 04.
- At present, he is working as a robotics and automation engineer at Ebots Inc. in the USA.



- Karan Vaishnav is another gemstone of mechanical engineering, batch 2015-2019.
- He has completed his MS in Mechanical Engineering from Michigan Technological University.
- At present, he is working as Process Engineer in the **Tesla Fremont factory**, in California, USA.





Jay Panchal  
California State University



Aayush Vikani  
University of Windsor



Aishwarya Chauhan  
California State University



Monark Parekh  
Arizona State University



Saurin Thakkar  
Purdue University



Kunal Vaghasiya  
University of Adelaide



- Ankit Kukadia is one of the genius students of the mechanical engineering, batch 2013-2017.
- He had secured 99.75 percentile in GATE 2017
- He has completed M.Tech. (Aerospace Engineering) from IIT Madras.
- He is a founding member and manager for sky Tran project of Reliance Industry, Mumbai.
- He is also Co-founder for Avishkar Hyperloop project.
- He also delivered presentation on TEDx for Hyperloop project. (<https://youtu.be/hDm0-lZwqxs>)



Tithi Ojha  
IIT Bombay



Ria Langalia  
IIT Kanpur



Barat Suresh  
IIT Gandhinagar



Ankit Pandya  
IIM Mumbai



Jaishil Modi  
IIM - Udaipur



Devang Gajiwala  
XLRI - Jamshedpur



- “Learning and Leadership are indispensable to each other.” – John F. Kennedy
  - Department often arranges and executes various events for students by the students. After participation in events, students carry with them various leadership styles such as Authoritative, Affiliative, Democratic, and Pacesetter.
  - Equipped with leadership skills our students are able to conquer the trust of worker groups and management.
-



Utsav Shah  
Managing Director  
UNP Polyvalves India Pvt. Ltd.  
2014-2018 Batch



Mayank Ukani  
Owner  
TBEEEX Prestressed Concrete Equip. LLP  
2014-2018 Batch



Chintan Dungrani  
Co-Founder  
Gorek Technologies  
2013-2017 Batch



Jinesh Patel  
Founder  
ConnectBase  
2012-2016 Batch



Darvin Dalsania  
Co-Founder/ Entrepreneur  
Cubein e Manufacturing Solution  
2011-2015 Batch



Hrishit Parikh  
Executive Director  
Shree Sponge Steel & Casting Ltd.  
2010-2014 Batch



Deep Thakkar  
Director  
Sakar Granito (India) Pvt. Ltd.  
2010-2014 Batch





FACULTY OF TECHNOLOGY  
D. D. UNIVERSITY

# Mechanical Engineering Department

Welcomes you

For Admission Contact us:

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Prof. Jigneshsinh Rathod [9408723139]

Prof. Kartik Mandavia [8866322047]

Prof. Pranav Parikh [9824006579]