

**Lab Assistant Details**



<b>Name</b>	Nitinkumar.n.rathod
<b>Date of joining</b>	12-01-2023
<b>Education qualification</b>	Certificate in machinist tool room, b.a
<b>Labs taken</b>	Advance manufacturing lab, product design validation lab ,cnc/cim lab
<b>Introduction</b>	Mr. Nitinkumar N. Rathod joined on 12th January 2023. He holds a Certificate in Machinist Tool Room and a B.A. degree. He is actively engaged in handling the <b>Advanced Manufacturing Lab, Product Design Validation Lab, and CNC/CIM Lab</b> . With prior experience at <b>SAC (ISRO), PRL</b> , and in reputed industries such as <b>Harsha Engineering</b> and <b>Lubi Industries</b> , he brings a strong industrial background. He possesses in-depth knowledge of <b>CAD/CAM software</b> and hands-on expertise with <b>NC and CNC machines</b> , which enriches both his teaching and lab management responsibilities.



**Name** Mehulkumar jayantilal bhalu

**Date of joining** 2/21/2012

**Education qualification** Bachelor of engineering - mechanical engineering

**Labs taken** Rac lab, ppe lab, cad lab, mechanical drawing lab,

**Introduction** Mr. Mehulkumar Jayantilal Bhalu joined on 21st February 2012 and holds a **Bachelor's degree in Mechanical Engineering**. With over **15 years of experience** as a Lab Assistant at Pandit Deendayal Energy University, he has been actively engaged in managing and conducting practical sessions in the **Refrigeration and Air Conditioning (RAC) Lab, PPE Lab, CAD Lab, and Mechanical Drawing Lab**. He is dedicated to supporting students in their hands-on learning while ensuring the smooth functioning of laboratory equipment and activities.



**Name** Arvind manilal makwana

**Date of joining** 7/13/2013

**Education qualification** B.e. Mechanical engineering

**Labs taken** Strength of materials , cam lab , image processing lab (res. Lab) as incharge. And eg-cad , mechanical drawing , machine design -1 , industry 4.o ,machine design-2 etc as major labs assigned .

**Introduction** Mr. Arvind Manilal Makwana joined on 13th July 2013 and holds a **B.E. in Mechanical Engineering**. He brings **8 years of prior industry experience** and has been serving at Pandit Deendayal Energy University as the in-charge of the **Strength of Materials, CAM, and Image Processing (Research) Labs**. In addition, he assists in major labs including **EG-CAD, Mechanical Drawing, and Machine Design (I & II)**. His core expertise lies in **CNC and CAM programming, CAD/manual drawing, and the design of fixtures and jigs for component development in manufacturing processes**. Beyond academics, he has a keen interest in **painting, sketching, and playing musical instruments such as the tabla and piano**.

## Mechanical Engineering Department, SoT, PDEU



**Name** Mr. Trushar khodeedas prajapati

**Date of joining** 05-02-2016

**Education qualification** Diploma mechanical engineering

**Labs taken** Dynamics of machines laboratory, kinematics of machines laboratory, liquid engineering laboratory, engineering graphics laboratory

**Introduction** Mr. Trushar Khodeedas Prajapati joined on 5th February 2016 and holds a **Diploma in Mechanical Engineering** from K.D. Polytechnic, Patan. Before joining Pandit Deendayal Energy University, he gained **5 years of industry experience** as a Production and Quality Engineer. At PDEU, he has been serving as a Laboratory Assistant in the Mechanical Engineering Department (School of Technology), actively managing the **Dynamics of Machines, Kinematics of Machines, Liquid Engineering, and Engineering Graphics Laboratories**.



<b>Name</b>	Chaudhari piyushkumar ramsangbhai
<b>Date of joining</b>	10/15/2012
<b>Education qualification</b>	Diploma in mechanical engineering
<b>Labs taken</b>	Engineering graphics, Thermodynamics, and Engineering metallurgy

**Introduction** Mr. Piyushkumar Ramsangbhai Chaudhari joined on 15th October 2012 and holds a **Diploma in Mechanical Engineering** from B.S. Patel Polytechnic, Kherava. He has over **8 years of industrial experience** in the Maintenance and Project Development departments. Since 2012, he has been serving as a Laboratory Assistant at Pandit Deendayal Energy University, actively associated with the **Engineering Graphics, Thermodynamics, and Engineering Metallurgy Laboratories**.

## Mechanical Engineering Department, SoT, PDEU



<b>Name</b>	Alpeshsinh rajput
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<b>Date of joining</b>	7/17/2013
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<b>Education qualification</b>	B.tech in mechanical engineering
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<b>Labs taken</b>	Mechanical measurement and metrology, Heat transfer, Refrigeration and air conditioning.
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<b>Introduction</b>	Mr. Alpeshsinh Rajput joined on 17th July 2013 and holds a <b>B.Tech in Mechanical Engineering</b> . Since 2013, he has been serving as a Laboratory Assistant at Pandit Deendayal Energy University. His primary responsibilities include managing the <b>Mechanical Measurement &amp; Metrology Laboratory</b> and the <b>Heat Transfer Laboratory</b> . His areas of interest extend to <b>wastewater treatment and management</b> , alongside core topics in <b>measurement, metrology, and heat transfer</b> .
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**Name** Jayesh d panchal

**Date of joining** 01-02-2012

**Education qualification** National council for vocational training welding

**Labs taken** Manufacturers Process 1, Production Technology, Welding Research, Foundry, Casting and Workshop Practises.

**Introduction** Mr. Jayesh D. Panchal joined on 1st February 2012 after completing his training from the **National Council for Vocational Training in Welding**. He brings **over 12 years of industrial experience** along with **14 years of academic experience** as a Laboratory Assistant. At Pandit Deendayal Energy University, he has been actively involved in managing and conducting sessions in the **Manufacturing Process, Production Technology, Welding Research, Foundry & Casting, Workshop Practice, and Non-Destructive Testing (NDT) Laboratories**. His expertise lies in **manufacturing processes, experimental setup, safety protocols, and student guidance**, enabling him to contribute significantly to both **practical skill development and applied research support** in engineering education.

## Mechanical Engineering Department, SoT, PDEU



**Name** Ketan Anand

**Date of joining** 02-05-2022

**Education qualification** Diploma in automobile engineering

**Labs taken** Workshop practice, Engineering graphics, Fluid mechanics, IC engine

**Introduction** Mr. Ketan Anand joined on 5th February 2022 and holds a **Diploma in Automobile Engineering**. He is actively engaged in managing the **Workshop Practice, Engineering Graphics, Fluid Mechanics, and IC Engine Laboratories** at Pandit Deendayal Energy University. Passionate about **new technologies and continuous learning**, he is dedicated to supporting students in their practical training and hands-on exposure to engineering applications.





**Name** Soni umangkumar rajeshkumar

**Date of joining** 17-11-2017

**Education qualification** M. Tech in thermal engineering

**Labs taken** Engineering Graphics, RSET, Thermodynamics, Refrigeration and air conditioning, Heat and mass transfer, Mechanical drawing, Industry 4.0, CEL, IC engine, RES-FEW, PG research

**Introduction** Mr. Umangkumar Rajeshkumar Soni joined on 17th November 2017 and holds an **M.Tech in Thermal Engineering**. He brings over **13 years of combined experience** in academia and industry, having worked with institutions such as **Silver Oak College of Engineering & Technology, GEC-Katpur, and Kalol Institute of Technology**, and in organizations including **ISRO-SAC, NK Industry, Khodiyar CAD Center, and UR Sony Engineering**. His expertise lies in **CAD design, mechanical system development, thermal systems, and laboratory operations**, with strong proficiency in **SolidWorks, PTC-Creo, AutoCAD, and ANSYS**. At Pandit Deendayal Energy University, he manages a wide range of laboratories including **Engineering Graphics, RSET, Thermodynamics, Refrigeration & Air Conditioning, Heat & Mass Transfer, Mechanical Drawing, Industry 4.0, CEL, IC Engine, RES-FEW, and PG Research Labs**. He is well recognized for his **technical expertise, problem-solving ability, and mentoring support** to students in engineering projects.



**Name** Mr. Ashokkumar pratapsinh chavda

**Date of joining** 26-10-20

**Education qualification** NCVT WELDER (Electric & Gas welding)

**Labs taken** Manufacturing Process Lab -II , Work Shop Practice Lab, Fluid Mechanics & Machinery, Welding Research & Advance Technology Lab.

**Introduction** Mr. Ashokkumar Pratapsinh Chavda joined on 26th October 2020 and holds an **NCVT certification in Electric and Gas Welding**. He specializes in **welding technology, conventional and non-conventional machining, and advanced manufacturing processes**. At Pandit Deendayal Energy University, he is responsible for managing the **Manufacturing Process Lab-II, Workshop Practice Lab, Fluid Mechanics & Machinery Lab, and Welding Research & Advanced Technology Lab**, contributing to the effective training and skill development of students in core manufacturing and welding technologies Specialization in welding technology and conventional, non-conventional machining, and Advance Manufacturing Process