



K. D. Polytechnic Patan

The official news Letter of
Mechanical Engineering Department



Issue-05, Jan-June 2024

Institute Vision

To impart quality technical education and create an ethically sound class of well-trained youth that can achieve opportunities in industries and serve the society.

Institute Mission

- To develop well-equipped laboratories and good academic infrastructure.
- To promote co-curricular and extracurricular activities for overall personality development of the students.
- To strengthen industry institute interaction.
- To inculcate entrepreneurial skills.
- To instill discipline and social awareness among students and enable them to deal with practical problems in daily life.



Vision & Mission **P.1**

Principal & HOD message **P.2**

SSIP & Student Achievements **P.3**

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Placement, NSS, Gymkhana **P.5**

Message from Principal

Shri R. M. Shaikh

Our Nation is developing phase, Development and sustainability of nation is proportional with the development of industries. Industrial development is dependent on the availability of trained and skilled manpower. The K. D. Polytechnic, Patan offers a variety of courses, with an emphasis on basic to advanced engineering tools and techniques, rigorous tasks and project-based learning under the guidance of experienced mentors.

We believe that students of K. D. Polytechnic, Patan would excel across multi dimensions, like knowledge domain, skills, communication, basic human values and environmental consciousness. We are making sincere efforts for the holistic development of the students hence we have succeeded in maintaining our position among leading Diploma Institute in Engineering in the state.

The Training and Placement cell works tirelessly towards ensuring employment for all students across various industries and helping for Startups through the Gujarat of Government SSIP policy to transforms ideas into product.

I wish them all the very best to all for their bright futures and we are associated with the students for achieving & fulfilling their academic pursuits throughout their stay at the campus and even after.

Message from HOD

Shri. H. C. Parmar

A warm and Green Greetings from the Department of Mechanical Engineering at K D Polytechnic, Patan.

Mechanical engineering plays a significant role in enhancing safety, economic vitality, enjoyment and overall quality of life throughout the world. It is one of the oldest and broadest engineering discipline. Mechanical Engineering is a professional Core engineering discipline that deals with the design, production and maintenance of any produce of any industry.

Our department always work with the motto "Nothing can be achieved without genuine effort." The core values of the department help the students to develop their overall personality and capable them to work at global level. Our department has a team of highly qualified and experienced faculty, good infra structure and lab facilities. We are striving hard continuously to improve upon the quality of education and to maintain its position of leadership in engineering and technology. Our faculty are continuously attending various training programs, publishing research papers, books and filing patents. Many are pursuing research.

We are happy to share that many students are pursuing higher studies in leading universities in India and abroad. I am certain that our students will prove to be an invaluable asset to an organization.

Department Vision

To impart quality technical education and prepare competent diploma mechanical engineers to cater industry needs and carry out innovation.

Department Mission

- To Adopt outcome base curricula and implement innovative teaching learning process for realizing outcome base education.
- To Provide opportunities to the students for the development of professional skills.
- To Inculcate life-long learning approach in the students.

Program Educational Objectives

- To Adopt outcome base curricula and implement innovative teaching learning process for realizing outcome base education.
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Student Achievements

SEMESTER-2

	Rank-1	Rank-2	Rank-3
NAME	PATEL MANN VIPULKUMAR	PATEL YASHKUMAR BHARATBHAI	PRAJAPATI BHAUTIK KANTIBHAI
ENROLLMENT NO	236310319043	236310319052	236310319056
SPI (OUT OF 10)	8.7	8.35	8

SEMESTER-4

	Rank-1	Rank-2	Rank-3
NAME	THAKOR JAYDIPSINH VASANTJI	RAVAL SARVAGNA DHRUVKUMAR	DAVE HETKUMAR GIRISHCHANDRA
ENROLLMENT NO	226310319064	226310319056	226310319012
SPI (OUT OF 10)	9.84	9.79	8.68

SEMESTER-6

	Rank-1	Rank-2	Rank-3
NAME	PRAJAPATI ANSHKUMAR VALJIBHAI	DARJI YASH BHAVINKUMAR	HET PARESHKUMAR PATEL
ENROLLMENT NO	216310319035	216310319041	216310319006
SPI (OUT OF 10)	9	8.89	8.67

Project Fair SSIP 2.0

 **K. D. Polytechnic Patan** 
Student Startup & Innovation Policy

"SSIP 2.0 Project fair - 2023"

Organized by:
SSIP Cell
K. D. Polytechnic, Patan

Date & Venue:
05/05/2023
HE LAB
Main Building



Student Start up & Innovative Policy SSIP 2.0

Date: - 03-05-2024

Venue: - HE Lab

Nos of Participants: - 152

The Student Startup and Innovation Policy (SSIP) 2.0 is the updated version of the SSIP 1.0 policy launched by the Government of Gujarat in January 2022. The policy period is of 5 years (January 2022 – March 2027). The aim of SSIP 2.0 is to build on the success of the previous policy and take it to the next level by providing more comprehensive support to the startups and entrepreneurs in the state.

The policy provides funding assistance, mentorship, incubation, and accelerator support to the student startups, along with access to industry networks and global markets.

The SSIP 2.0 policy has also introduced a new concept of Innovation and Entrepreneurship (iHub), which is acting as a one-stop-solution for sector-wise startups and entrepreneurs. These hubs will provide state-of-the-art facilities, including co-working spaces, labs, and incubation centers, to the startups.

Expert Lecture/ Seminar



**EXPERT
LECTURE**

Expert lecture on AutoCAD

By Mr. Mukesh Yogi

Dt:- 19th Feb 2024

Sem:- 6th Sem

No of Students: - 30

Related CAD/CAM Subject



Career Guidance Awareness seminar

By Prof. B. D. Prajapati

Dt:- 20th Jan 2024

Sem:- 6th Sem

No of Students: - 44

SSIP Awareness Program



SSIP Awareness Program

By Shri Hiren Patel

Dt:- 29th Jan 2024

Sem: - 2,4

No of Students: - 50

By attending this event students can be able to get ideas about how innovative idea can get executed. And which are the field areas where they can work for future



INDUSTRIAL Visit



Adani Industry Pvt. Ltd

08 & 09th Feb 2024
(02 Days)

Sem: - 6

No of Students: - 38

No of Faculties: -02

This Visit includes

- Adani Wilmar
- Adani Port
- Adani Power plant
- Adani Westport

This industrial visit is beneficial to enhancing practical knowledge in following diploma courses:

- Thermal Engineering
- Industrial Engineering & management
- Advance Manufacturing System

Mundra Port is the largest private port of India located on the north shores of the Gulf of Kutch near Mundra, Kutch district, Gujarat.



Industrial Visit





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(02 Days)

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The Adani Mundra Wind Mill is India's largest wind turbine generator (WTG), located in Mundra, Gujarat. It's one of the most powerful onshore wind turbines in the world.

Features

Height: 200 meters, taller than the Statue of Unity

Rotor diameter: 160 meters

Tip height: 200 meters

Capacity: 5.2 MW, enough to power about 4,000 homes

Blades: Wider than the wingspan of a Boeing 747



INDUSTRIAL Visit



MLP Program

20th feb 2024

Dept: - Mech, Civil,
Elect

No of Students: - 88

No of Faculties: -05

"Mission Life" can become a mass movement of Environmental Conscious Lifestyle. Mission Life: An India-led global mass movement to nudge individual and community action to protect and preserve the environment. What is needed today is Mindful and Deliberate Utilisation, instead of Mindless and Destructive Consumption. The main objective of this program is to create awareness among students (youth) about Save Energy, Save Water, Reduce Waste, Healthy lifestyle.

We have to remember this mantra-

प्रकृति: रक्षति रक्षितः।

that is, those who protect nature, nature protects them. We believe we will build a better world by following our Mission life.

Mission LIFE Program



Placement



Training & Placement Cell

The Training and Placement cell works tirelessly towards ensuring employment for all students across various industries and helping budding entrepreneurs in establishing successful businesses.

Placement

Sr No	Name of Company	No. of Students Selected
1	CMR Green Energy- 06 th March 2024	02
2	Arseller Mittal Nippon Steel- 07 th March 2024	12



ENERGY SAVING TIPS

THROUGH THE GREEN IMPACT PROGRAMME, WE ARE ALWAYS TRYING TO BE MORE ENERGY EFFICIENT IN OUR OFFICE. TO HELP YOU CONTINUE THE GREAT WORK, HERE ARE SOME TOP TIPS FOR SAVING ENERGY.



LIGHTS

Remember to switch off lights when you leave your area of the office. People can turn the light back on again if they need to!

COMPUTERS

At the end of the day shut down your computer properly - at the plug if possible. If your computer needs to stay on please switch off the screen.



CHARGERS

Switch it off and save! Unplug any chargers when they are not in use as even mobile phone chargers continue to use electricity when they aren't charging.



IN THE KITCHEN

Switch off the light when leaving the kitchen and remind others to do the same! Turning off the microwave and toaster can also save energy.



PRINTERS

Remember that the MDF printer cannot be turned off at the plug. Instead put the printer in sleep mode.



Mega Placement Camp 2024



Mega Placement Camp 2023

Date:- 28th Feb 2024

Venue:- Govt Engineering College Patan

Campus recruitment is a process through which the corporate (employer) organization recruits the required talent pool from the academic campuses. The selection process takes place in the final year of a programme for students of both undergraduate and Diploma courses. Over the years, campus recruitment has assumed greater significance in the minds of several stakeholders.



INVEST IN AN ELECTRIC VEHICLE, IF POSSIBLE

An electric vehicle can help you **reduce your carbon footprint** with zero tailpipe emissions.



National Service Scheme- NSS Activities

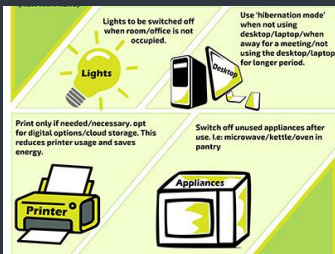
The National Service Scheme (NSS) is a Central Sector Scheme of Government of India, Ministry of Youth Affairs & Sports.

List of NSS Activities

- Save Electricity

The Motto of NSS

"Not Me But You"



NSS Activities



Save Electricity by Mr. P. R. Mishra- 10-01-2024



Save Electricity by Mr. P. R. Mishra- 10-01-2024

List of Gymkhana Activites

- Gujarat Gnan Guru Quiz
- Vibrant Gujarat Global Summit-2024
- Mental Health Awareness Program
- Election Awareness Program
- Republic Day Celebration
- Singing Competition
- Thalassemia Test
- Road Safety Seminar
- Sport week
- Pledge against drugs
- YHAI Program

Gymkhana Activities



Sports week



Youth Hostel Authority of India Program

MANAGE YOUR WASTE AT THE SOURCE

It is essential to segregate wastes into wet and dry as it paves the way for its scientific treatment at the source itself. **Effective waste segregation at homes and offices means easy recycling and lesser waste at the landfills, leading to cleaner and better environment and human health.**

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Gymkhana Activities



Road Safety- 16-02-2024



Sports week

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Gymkhana Activities



Republic day celebration- 26-01-2024



Vibrant Gujarat – 13-01-2024

Editor's Note:-

It gives us an immense pleasure to introduce this Newsletter of Mechanical Engineering, named "Shashvat"

I am grateful to our honorable Principal and HOD who gave this opportunity. It has been a learning experience to us. I am also thankful to all staffs for their co-operative nature. At last but not least we are thankful to all those helped us directly and indirectly.

Shivam R. Modi
Lecturer Mechanical Engineering

PROTECT EXISTING TREES

A single mature tree can absorb carbon dioxide at a rate of 22 kilograms per year and release enough oxygen back into the atmosphere to support two human beings. So, about **1.3 million trees can remove more than 2500 tonnes of pollutants from the air.**