



# K. D. Polytechnic Patan

The official news Letter of  
Mechanical Engineering Department



Issue-07, Jan-June 2025

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## 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.



## 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.





- To Provide opportunities to the students for the development of professional skills.

- To Inculcate life-long learning approach in the students.




# Student Achievements

## Raval Sarvagna Dhruvkumar- 4<sup>th</sup> Rank in Gujarat Technological University




### SEMESTER-6

	Rank-1	Rank-2	Rank-3	Rank-3
NAME				
	RAVAL SARVAGNA DHRUVKUMAR	THAKOR JAYDIPSINH VASANTJI	PRAJAPATI DHRUV KETANBHAI	SHARMA AMAN BRAHMANAND SHARMA
ENROLLMENT NO	226310319056	226310319064	226310319040	226310319058
SPI (OUT OF 10)	10	9.56	8.44	8.44

### SEMESTER-4

	Rank-1	Rank-2	Rank-3
NAME			
	PATEL MANN VIPULKUMAR	PANCHAL VED NAROTTAMBHAI	MALIK ADNAN ANVARAHEMAD
ENROLLMENT NO	236310319043	236310319030	236310319018
SPI (OUT OF 10)	9.68	8.58	8

### SEMESTER-2

	Rank-1	Rank-2	Rank-3
NAME			
	PARMAR MIT VALAJIBHAI	OZA RIYA RAJESHKUMAR	CHAUDHARI SHUBH ISHWARBHAI
ENROLLMENT NO	246310319037	246310319033	246310319006
SPI (OUT OF 10)	8.3	8.2	8.15

# SSIP 2.0- Project Expo



 **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: - 28-04-2025

Venue: - HE Lab

Nos of Participants: - 110

Event Coordinator:-

Dr. H. R. Patel & Shri  
Hiren Patel

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,

## Expert Lecture



## EXPERT LECTURE

### 1. AutoCAD

Expert- Shri Mukesh Patel,  
Director, Sai CAD Consultancy

Organised by: Shri K. R. Patel

Dt:- 03<sup>rd</sup> March 2025

Sem: - 2,4

No of Students: - 57

### 2. GEDA's EC Awareness Program

Expert- Shri R. N. Pandya, Retd-  
Sr Project Executive, GEDA

Organised by: Shri S. R. Modi

Dt:- 17<sup>th</sup> Jan 2025

Sem: - 6

No of Students: - 50



### 3. Solid Waste Management Program

Expert- Shri Pankaj Parikh, SWM,  
Patan Nagar Palika

Organised by: Shri J. P. Fudani

Dt:- 19<sup>th</sup> March 2025

Sem: - 1

No of Students: - 50

## INDUSTRIAL Visit



### Pragati Submercible Pump

25<sup>th</sup> April 2025

Sem: - 4

No of Students: - 32

No of Faculties: -02

- Shri G. S. Patel
- Shri V. P. Chaudhari

## Industrial Visit



### CHOOSE PUBLIC TRANSPORT, OR OPT FOR A CARPOOL

If a single person switches from a 32 Kilometer commute alone by car to existing public transportation, it can reduce their annual CO2 emissions by 9 Kilogram per day, or more than 21,000 Kilogram in a year.

## INDUSTRIAL Visit



## Environment Awareness thru Poster Awareness Program

22<sup>th</sup> April 2025

“Earth Day Celebration”

Dept: - Mech, Civil,  
Elect

No of Students: - 50

No of Faculties: -05

- Mission LiFE &  
Team

“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.

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



**Earth Day Online Quiz 2025, KDP Patan, 22th April 2025**

**Total 185 responses received**

**Faculties: - 04**

**Students: - 180**

# 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 Student	Name of Company
1	PRAJAPATI DHRUV KETANBHAI	Maruti Suzuki India Ltd
2	PRAJAPATI JAYESH JAGDISHBHAI	ArcelorMittal Nippon Steel India
3	PRAJAPATI PRAGNESHKUMAR LALABHAI	Larsen & Toubro
4	SHARMA AMAN BRAHMANAND SHARMA	ArcelorMittal Nippon Steel India
5	THAKOR SAHIL BHAVSANG SHANKUJI	ArcelorMittal Nippon Steel India



## 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 2025

## Mega Placement Camp 2025

Date:- 19<sup>th</sup> March 2025

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.**

# NSS Activities



## National Service Scheme- NSS Activities

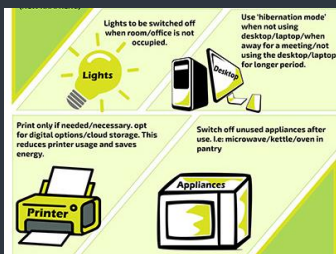
The National Service Scheme (NSS) is a Central Sector Scheme of Government of India, Ministry of Youth Affairs & Sports.

## List of NSS Activities

- Fire & Safety Awareness Program  
Dt: 30-01-2025
- By Team NSS

The Motto of NSS

**"Not Me But You"**



## List of Gymkhana Activites

- Road Safety Seminar
- Republic Day Celebration
- Sports week
- Thallasemia Test
- Mental well being seminar
- Fire safety Awareness
- Environment Week
- Yog Shibir
- Shradhhanjali Shabha

- By Gymkhana Team

## Gymkhana Activities



Sports week- 12-02-2025 To 15-02-2025



Yog Shibir- 11-06-2025 To 13-06-2025

### 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- 22-01-2025



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## Gymkhana Activities



Republic day celebration- 26-01-2025



Thalasemia Test – 18-02-2025

### 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.**