

INFRACREATOR

Newsletter

ISSUE 13 (JUNE 2024)



**GOVERNMENT
POLYTECHNIC
PALANPUR**



**CIVIL ENGINEERING
DEPARTMENT**



ABOUT THE DEPARTMENT

Started in 1984, Civil Engineering Department, Government Polytechnic Palanpur offers 3 years (6 semester) Diploma Civil Engineering Program with 90 intake capacity.

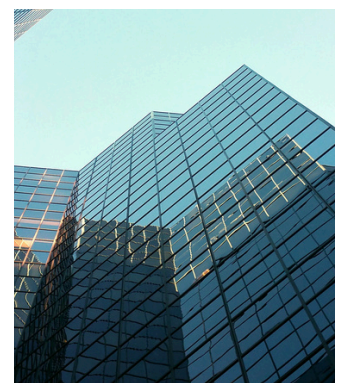
This Program is Approved by All India Council for Technical Education (AICTE) and Affiliated to Gujarat Technological University, Ahmedabad(GTU).

Vision

The department envisions to achieve professionals in emerging field of civil engineering to meet aspirations of the society, by transforming students to be technically skilled, managers, ethical, entrepreneur's leaders, and environmentally sensible civil engineers.

Mission

- To impart civil engineering skill to enhance their employability in the industries.
- Establish industry collaboration through internship and interaction with professional society through experts, workshops
- 3Promote leadership, management, entrepreneurship skills in a student through various projects, co-curriculum, extra-curriculum events.
- 4Impart social, environment awareness and responsibility in students to serve society and industry to promote sustainable growth.



01/11



HOD's Message

Welcome to the Department of Civil Engineering. The Department of Civil Engineering strives for Excellence in teaching and learning and ethical professional development. We are proud to have State-of-the-art laboratories and technical staff to support our academic program. We have well balanced and innovative teaching-learning atmosphere and qualified and well experienced dedicated academic staff. The students here are encouraged to participate in co-curricular and Extra-curricular activities for personal development.

There are many careers paths for Civil Engineers. They are essential in Government agencies, Private and Public sector undertaking to complete various Mega Projects.

Newsletter Committee



Editor in Chief

- Mr N N Rajgor (HOD Civil)

Coordinator

- Mr F A MUKHI (Lecturer Civil)

Editors

- Mr N V PRAJAPATI (Lecturer Civil)
- Mr J N CHAUDHARY (Lecturer Ap. Mech.)

Student Editors

- MANASIYA TALHA N 6th Sem
- PRAJAPATI OM D 6th Sem
- RAVAL JAIMIN D 4th Sem
- BAGHEL PUNAM I 4th Sem
- GOSWAMI PRINCEGIRI 2nd Sem
- NANDOLIYA AHMEDRIJVAN 2nd Sem

Government Polytechnic Palanpur
Department of Civil Engineering

Opp. Malan Darwaja, Ambaji Road,
Palanpur - 385001
Phone: 02742-245219

Send your feedback to
gppcivil06@gmail.com

Inside The Issue

- Republic Day Celebration [>> Page 4](#)
- Sports Week 2024 [>> Page 4](#)
- Expert Lecture on Solar Rooftop PV Plant [>> Page 5](#)
- Advanced Surveying Project on Theodolite [>> Page 5](#)
- Training : Recent Advancement in Computer Aided Civil Engineering Design [>> Page 6](#)
- Entrepreneurship Awareness Drive [>> Page 7](#)
- Fire Safety Training [>> Page 8](#)
- Expert Session on Total Station [>> Page 8](#)
- INFRA NEWS : Ahmedabad-Gandhinagar Metro route likely to be operational by September [>> Page 9](#)
- INFRA ARTICLE : Bharatmala Project [>> Page 10](#)
- Out Star Students [>> Page 11](#)
- Faculty Achievements [>> Page 11](#)

Republic Day Celebration

At Government Polytechnic Palanpur, On 26th January 2024, the occasion of 75th Republic Day, a flag hoisting program was arranged in which all the officials, employees and students of the institute enthusiastically participated. Electrical Department Lab assistant Mr S. K Metia hoisted the flag while EC HOD Mr S. J. Chauhan sir delivered a speech.



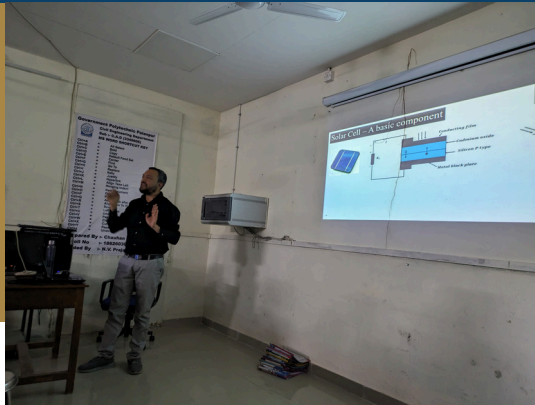
Sports Week 2024

Sports week was celebrated in the second week of February, 2024. Students of all the departments participated in various sports like Cricket, Volleyball, Kabaddi, Rassa kench, Chess, Carrom, Badminton and e-sports



Expert Lecture on Solar Rooftop PV Plant

On 21st February, 2024 An Expert Lecture on Solar Rooftop PV Plant was organised for final semester diploma civil engineering students. The expert who delivered lecture was Mr A M Qureshi, Lecturer in Electrical Engineering who gane in depth knowledge about principle and working of solar rooftop plant



Advanced Surveying Project on Theodolite

On 14th March, 2024, 4th semester duploma engineering students performed a project on theodolite in Advanced surveying subject



Training : Recent Advancement in Computer Aided Civil Engineering Design

A training on Recent Advancement in Computer Aided Civil Engineering Design was organised for second and final year students on 08/04/2024 to 09/04/2024. This training was conducted on department's computer laboratory by the trainers of SAI CAD center, Patan.



Entrepreneurship Awareness Drive

An Entrepreneurship Awareness Drive was organised for final year students on 15/04/2024 to 16/04/2024. This training was conducted on seminar hall by the trainers of Center of Entrepreneurship Development where Mr Mehul Pandya spoke in detail about Entrepreneurship



Fire Safety Training

A Hands on training regarding fire safety of main building of the institute is organised on 1st May, 2024 for all the staff, security personal and students of diploma civil engineering.



Expert Session on Total Station

On 21st May, 2024, an Extert hands on sesion on Total Station was arranged for the 4th semester diploma engineering students



Ahmedabad–Gandhinagar Metro route likely to be operational by September

The Gujarat Metro Rail Corporation (GMRC) is working rapidly to operationalize the 28 km route from Motera to Mahatma Mandir in the state capital under the Ahmedabad Metro Phase-2 project. Under this project, around 16 km of the route from Motera to Gandhinagar Sector-1 and a 5 km stretch from GNLU to PDPU to Gift City have been completed. Final inspections are currently underway and expected to conclude within a day.

Amendments will be made based on necessary suggestions from the Commissioner of Metro Rail Safety (CMRS), a process likely to take about a month. As a result, metro train operations on this new 21 km route from Motera are anticipated to commence anytime in August.

A total of 22 stations will be established along the 28 km corridor, with 13 stations ready on the Motera–Sector 1 route and 2 stations ready on the GNLU–Gift City route. Currently, the track, signal systems, coaches, and stations have undergone inspection by the Commissioner of Metro Rail Safety team. Work on the Sector-1 to Mahatma Mandir route is also progressing rapidly, aiming for completion by year-end



Bharatmala Project

- **GOSWAMI PRINCEGIRI**
(Sem 2 Diploma Civil Engineering)

INFRA ARTICLE



Bharatmala Project Overview

Launch Date: October 2017

Executing Agency: National Highways Authority of India (NHI)

Completion Target: 2022 (Phase 1)

Key Details

- Scope: Pan-India highway and road development, improving connectivity to economic corridors, borders, ports, and underserved regions.
- Key Components:
 - 26,200 km of economic corridors
 - 8,000 km of inter-corridor and feeder routes
 - 2,000 km of border and coastal roads
 - 800 km of expressways

Objectives

- Economic Growth: Enhance infrastructure, reduce logistics costs, and improve travel efficiency.
- Regional Development: Boost connectivity to remote areas.
- Defense: Strengthen border and coastal road networks.

Estimated Cost: ₹5.35 lakh crore (USD 67 billion)

Status (2024): 24,800 km awarded; significant progress made, though some delays due to land acquisition and clearances.

Conclusion


Bharatmala is a major infrastructure project that will transform India's road network, enhancing connectivity and supporting economic growth across the country.

★ Out Star Students

Semester	Name of Student	Enrollment No	SPI
6	MANASIYA TALHA NIZAMUDDIN BHAI	216260306003	9.58
4	LUHAR RAGHUKUMAR NARAYANBHAI	226260306037	8.15
2	SUTHAR GOVINDBHAI BHARATBHAI	236260306096	8.82



Faculty Achievements

Sr No	Name of Faculty	Achievement
1	A N PATEL	 Certificate from NPTEL for being recognized as NPTEL DISCIPLINE STAR
2	D N SHETH	Completed 12 Week MOOC on Remote Sensing Essentials at SWAYAM NPTEL
3	P D SHETH	Completed 12 Week MOOCs on Water Supply Engineering & Rural Water Resources Management at SWAYAM NPTEL
4	V P PATEL, A R PATEL, H P PATEL, A N PATEL, N V PRAJAPATI	Completed 8 Week MOOC on Introduction to Accounting and Finance for Civil Engineers at SWAYAM NPTEL
5	F A MUKHI	Completed 8 Week MOOC on Yoga and Positive Psychology for Managing Career and Life at SWAYAM NPTEL and 12 Week MOOC on Principles of Management at SWAYAM NPTEL