

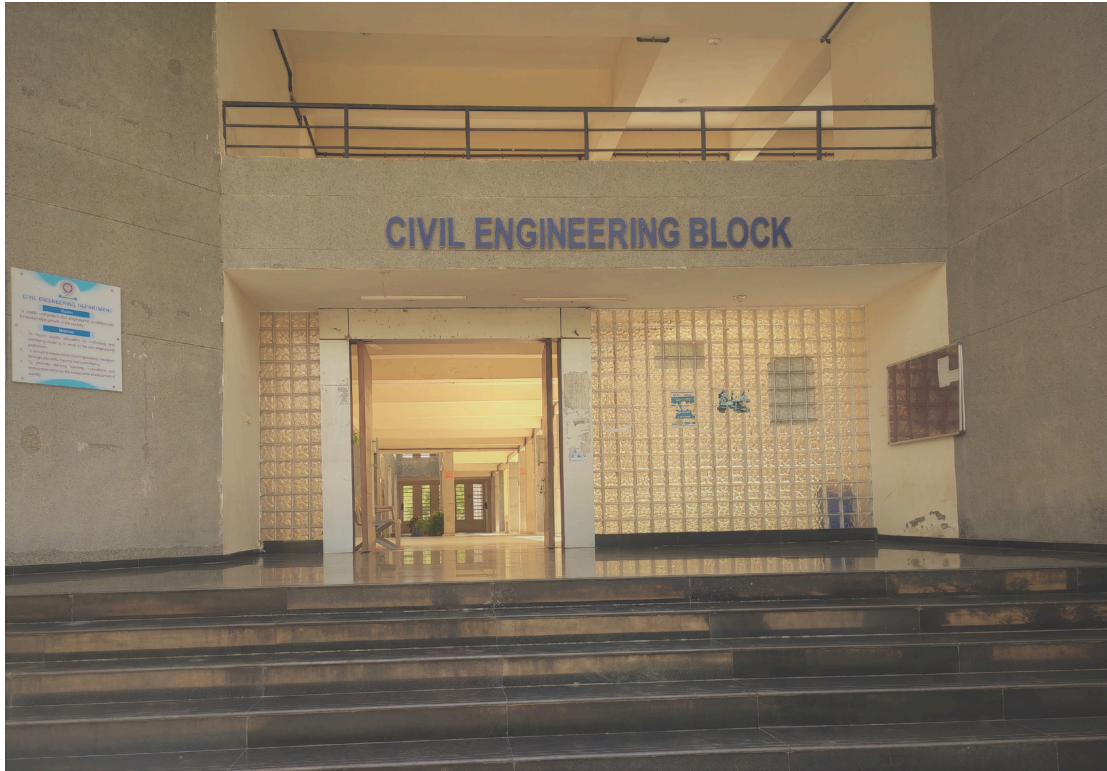
# Civil at a Glance

(E-NEWS LETTER)

HALF YEARLY MAGAZINE

JULY- DEC 2024

CIVIL ENGINEERING DEPARTMENT  
GOVERNMENT ENGINEERING COLLEGE PALANPUR



Government of Gujarat

**GOVERNMENT ENGINEERING COLLEGE PALANPUR**

JAGANA, PALANPUR-AHMEDBAD HIGHWAY, PALANPUR – 385001, GUJARAT, INDIA

ફોન નં. (02742) 220004, 220005

Phone-(02742) 220005, 220006

Website: [www.gecpl.cteguj.in](http://www.gecpl.cteguj.in) Email: [gec-palanpur-dte@gujarat.gov.in](mailto:gec-palanpur-dte@gujarat.gov.in)

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## Editorial Board

Prof. M N Prajapati

### Contact us

Civil Engineering Department  
Government Engineering College, Palanpur  
Jagana, Palanpur-Ahmedabad highway,  
Palanpur – 385011,  
Gujarat, India

## VISION AND MISSION OF INSTITUTE

### VISION

" To be a leading technical institute facilitating transformation of human resources into socially responsible engineering professionals for sustainable development "

### MISSION

- (1) To achieve academic excellence by developing state-of-the-art laboratories and academic infrastructure.
- (2) To create an ecosystem that promote value based technical education, innovation and entrepreneurship for sustainable development.
- (3) To contribute to industry and society by providing technical and consultancy services.
- (4) To enhance technical competencies of human resources by providing need base trainings and quality improvement programs.

## VISION AND MISSION OF DEPARTMENT

### VISION

"To create competent Civil Engineering professionals for sustainable growth of the society."

### MISSION

- (1) To impart quality education by cultivating and mentoring students to excel in the Civil Engineering profession.
- (2) To enhance exposure to Civil Engineering Industries through site visits, trainings and consultancy.
- (3) To promote life-long learning, Innovations and entrepreneurship for the sustainable development of society.

Dear students,

Welcome to the Department of Civil Engineering at Government Engineering College, Palanpur. Civil engineers design, construct, supervise, operate, and maintain large construction projects and systems, including roads, buildings, airports, tunnels, dams, bridges, and systems for water supply and sewage treatment. Civil engineering is one of the most critical disciplines for providing solutions for an ever-changing society, whether it's a roads and bridges that we drive on, the foundations and buildings that we occupy in or the clean air and water that we need. The role of civil engineers is everywhere and will become even more essential for developing the nations like India.

Our fully dedicated senior and qualified faculty members look forward to continuing our leadership in preparing the future technocrats in the field of civil engineering, engineering leaders that are capable of engaging in new technologies in the field of civil engineering and providing effective solutions to complex civil engineering problems. We have started consultancy services to the construction industries and rural areas. Our faculties are actively engaged in providing outstanding educational as well as practical exposure to the students.

With this, I wish all of you good luck and have pleasant and wonderful four years journey at Civil Engineering Department, GEC, Palanpur.



Dr. G. M. Savaliya

## FACULTIES OF DEPARTMENT

<b>Sr · N o.</b>	<b>Name of Faculty</b>	<b>Designation</b>	<b>Area of Specialization</b>	<b>Teaching Experienc e (Years)</b>
1	Prof. (Dr.) G. M. Savaliya	Assistant Professor & Head	Structural Engineering	14
2	Prof. H. U. Patel	Assistant Professor	Transportation Engineering	12
3	Prof. V. H. Khokhani	Assistant Professor	Water Resource Engineering and Management	13.6
4	Prof. S. G. Chauhan	Assistant Professor	Urban Planning	11.2
5	Prof. N. R. Kotiya	Assistant Professor	Geotechnical Engineering	11
6	Prof U. R. Patel	Assistant Professor	Structural Engineering	17
7	Prof. R. K. Rathod	Assistant Professor	Water Resource & Management	15
8	Prof. M. N. Prajapati	Assistant Professor	Structural Engineering	8.2

# INNOVATIVE PRACTICE IN TEACHING-LEARNING/ ASSESSMENT PROCESS

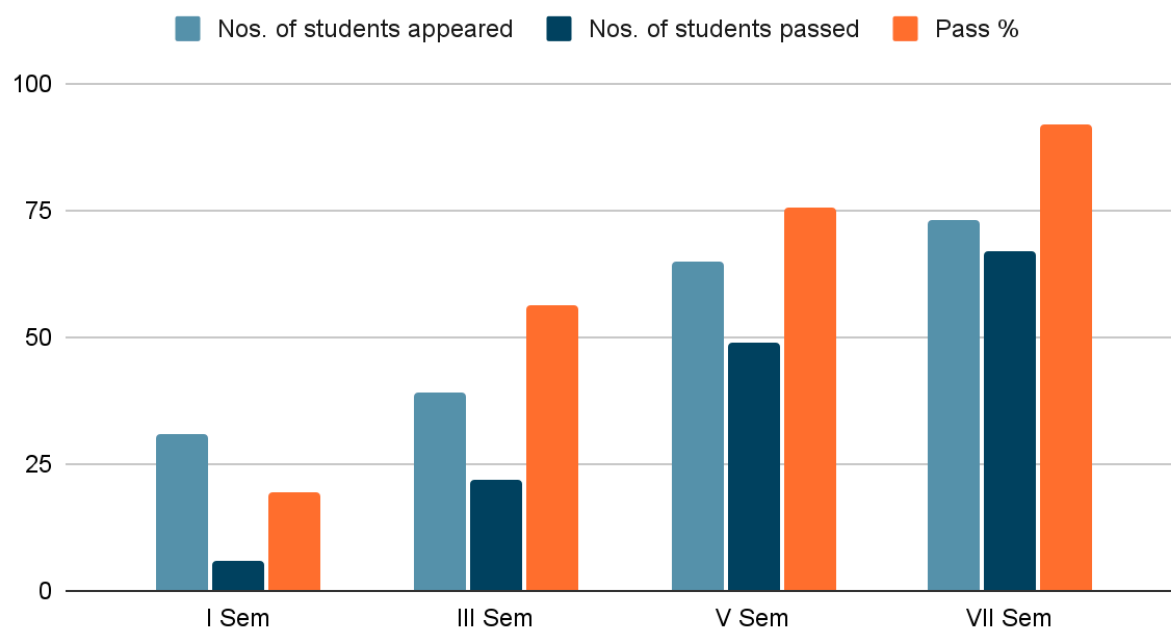
Sr. No.	Methodology	Related Subject	Class	Name of Staff
1	ICT, Audio-Visual tools including NPTEL Videos Rubrics-based Progressive Assessment	EEEC-7th DSS-7th IPDC-5th	4th Year 3rd Year	Dr. G. M. Savaliya
2	Students were Assessed Through an Excel Program Developed to solve problems Students were asked to prepare assignment drawings in AutoCAD and assessed accordingly	EEEC - 7th DSS-7th	4th Year	Dr. G. M. Savaliya
3	Utilized a multimedia projector for lectures along with chalk and duster and employed animation contents in the laboratory to enhance learning. Regularly assigned tasks to students and assessed their submissions to ensure comprehension and progress. Created engaging lecture materials (PowerPoint presentations) incorporating charts, graphs, videos, and e-books to enrich the learning experience. Collaborated with students to design and produce charts for laboratory use.	TE PDHC	5th	Prof. H. U. Patel
4	ICT, Audio-Visual tools including NPTEL Videos, PPT, Chalk & Duster for lectures and Lab. Also students were asked to use drawings in AutoCAD and assessed accordingly for building planning. Regularly assigned tasks to students and assessed their submissions to ensure comprehension and progress.	IE-7th CEM-7th BTP-3rd	4th Year 2nd Year	Prof. S.G. Chauhan
5	ICT, Audio-Visual tools, Powerpoint Presentation used for visual understanding. Rubrics-based Progressive Assessment Video's related to the content/topic were played for better understanding of the concept.	PHE-7th BCT-3rd	4th Year 2nd Year	Prof. R. K. Rathod
6	Use of Educational Videos, Interactive Learning, Real- world learning, Brainstorming	CT-5th MOS-3rd	3rd Year 2nd Year	Prof. M. N. Prajapati
7	To enhanced student learning by integrating various teaching methods, including multimedia projector lectures, traditional chalk-and-duster	DOS-5th MOS-3rd MOS-1st	3rd Year 2nd Year 1st Year	Prof. U.R. Patel

	<p>sessions, and animated content in the laboratory. To ensure comprehension and track progress, regularly assigned and assessed student work. also developed engaging PowerPoint presentations using charts, graphs, videos, and e-books, and collaborated with students to create laboratory charts.</p>			
8	<p>To enrich the learning experience and improve student comprehension, I employed a diverse range of teaching tools. This included using a multimedia projector for lectures, supplementing with traditional chalk and duster, and incorporating animated content in lab sessions. I monitored student progress through regular assignments and assessments, and designed comprehensive lecture materials (PowerPoint presentations) that integrated charts, graphs, videos, and e-books. Additionally, I partnered with students to develop custom charts for laboratory use.</p>	<p>RSGIS-5th DHS-7th ISC-7th</p>	<p>3rd Year 2nd Year</p>	<p>Prof.V.H.Khokhani</p>
9	<p>ICT, Audio-Visual tools including NPTEL Videos</p>	<p>GE -3rd SM-5th</p>	<p>2nd year 3rd year</p>	<p>Prof N R Kotiya</p>

## RESULT ANALYSIS OF SUMMER 2024

Summer - 2024		Nos. of students appeared	Nos. of students passed	Pass %
FY	II Sem	31	3	9.68
SY	IV Sem	40	12	30
TY	VI Sem	62	55	88.71
LY	VIII Sem	72	70	97.22

### RESULT ANALYSIS





## TOPPER OF SUMMER 2024GTU EXAM (EVEN SEMESTER)

### 2<sup>nd</sup> Semester

Sr. No	Enrollment No	Name	SPI
1	230610106024	PRAJAPATI BHUMIKABEN RAMANLAL	7.45
2	230610106023	PATEL SIYA HARESHBHAI	7.41
3	230610106027	PRAJAPATI KRISKUMAR BHAGVANBHAI	6.82

### 4<sup>th</sup> Semester

Sr. No	Enrollment No	Name	SPI
1	220610106012	MEVADA RIDDHIBEN VIJAYBHAI	8.87
2	220610106016	PRAJAPATI KINJAL AMRUTBHAI	8.43
3	220610106019	SAMSETA BHAVIKBHAI HITESHJI	8.09

### 6<sup>th</sup> Semester

Sr. No	Enrollment No	Name	SPI
1	220613106011	PRAJAPATI ANJALI	9.04
2	210610106008	PATEL KAVYABEN DILIPKUMAR	9.04
3	210610106026	Modi Himanshi Satishbhai	9.04

### 8<sup>th</sup> Semester

Sr. No	Enrollment No	Name	SPI
1	200610106009	Sheru Rahil AbdulRashid	9.22
2	210610106509	GRANTH BHARDWAJ	9.15
3	210610106522	SUTHAR JOYKUMAR DIPAKBHAI	9.15

## TRAINING ATTENDED BY STUDENT / STAFF

Sr. No	Name of Faculty	Training	Name of Institute/Organizer	Duration	
				From	To
1	Dr. G. M. Savaliya	Industrial Training at Banas Dairy Palanpur	Banas Dairy Palanpur	24-06-2024	07-07-2024
2	Dr. G. M. Savaliya	Industrial Training at Kalptaru Projects International Limited	Kalpataru Projects International Limited Gandhinagar	15-07-2024	27-07-2024
3	Dr. G. M. Savaliya	IPDC Faculty Development Program - 2024 themed "Change the Lens, Change the Life"	organized by GTU (Gujarat Technological University) in collaboration with IPDC	09-08-2024	09-08-2024
2	N R Kotiya	RESEARCH METHODOLOGY	MOOC	22/07/2024	13/09/2024
3	H U Patel	RESEARCH METHODOLOGY	MOOC	22/07/2024	13/09/2024

## RESEARCH PUBLICATIONS

**International Journal / Conference publications:**

## DEPARTMENTAL ACTIVITIES

### Industrial Visit

Sr. No.	Name of Industry	Day	Semester
1	Site visit to Constructed and Under construction structures at Banas Dairy Palanpur	12/09/2024	I
2	J.K.Puram & Dantiwada Dam	04/10/2024	V
3	Sardar Sarovar Dam & Statue Of Unity	04/10/2024	VII
4	Ambaji Mandir	10/10/2024	ALL

**Expert Lecture**

<b>Sr. No.</b>	<b>Date</b>	<b>Topic</b>	<b>Name of Expert</b>	<b>Name of coordinator</b>	<b>Platform Used</b>	<b>No of participates</b>
1	10/10/2024	Sujlam-Suflam Yojna, Atal Bhujal Yojna, Swajal Dhara & Har Ghar Jal Yojna	Er. Dharmik Bhavsar Assistant Engineer, Class-2(GWSSB)	Dr.G.M.Savaliya	Room No, 7012	73
2	11-10-2024	Expert Talk on "Soil Mechanics, Soil Health and Soil Heatch Card"	Dr. Sarvesh Kumar Shah, SKU, Dantiwada	Dr.G.M.Savaliya	Room No, 7012	77
3	09-12-2024	Concrete Mix Design and Career Opportunities in the Concrete Industry	Mr. Hardik Nadoda, Territory Manager – Technical Customer Solution, Ultratech Cement Limited	Dr. G. M. Savaliya and Prof. N. R. Kotiya	Room No, 7012	80