

Civil at a Glance

(E-NEWS LETTER)

HALF YEARLY MAGAZINE

JANUARY- JUNE 2020

CIVIL ENGINEERING DEPARTMENT

GOVERNMENT ENGINEERING COLLEGE PALANPUR



Government of Gujarat

GOVERNMENT ENGINEERING COLLEGE PALANPUR

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

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Editorial Board

Prof. Y J Chauhan,
Prof. G M Savaliya,
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.

From the Desk of Head of the Department

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.



Prof. P. C. Vasani

Faculties of Department (As on June 2019)

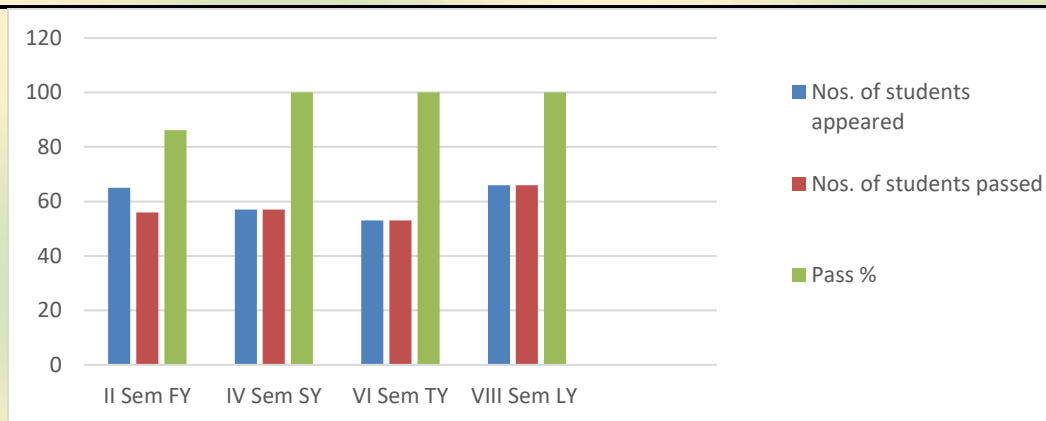
Sr. No.	Name of Faculty	Designation	Area of Specialization	Teaching Experience (Years)
1	Prof.P.C.Vasani	Professor& Head	Structural Engineering	36
2	Prof. M. H. Lunagaria	Assistant Professor	Structural Engineering	30
3	Prof. G.M.Savaliya	Assistant Professor	Structural Engineering	10
4	Prof. V. R. Sharma	Assistant Professor	Structural Engineering	10.5
5	Prof. H.U.Patel	Assistant Professor	Transportation Engineering	7
6	Prof. S.G.Chauhan	Assistant Professor	Town Planning	7
7	Prof. Y.J.Chauhan	Assistant Professor	Structural Engineering	4
8	Prof. N.R.Kotiya	Assistant Professor	Geotechnical Engineering	5
9	Prof. R.K. Rathod	Assistant Professor	Water Resource Management	6
10	Prof. M.N.Prajapati	Assistant Professor	Structural Engineering	4

Innovative Practice in Teaching-learning/Assessment Process

Sr. No.	Methodology	Related Subject	Class	Name Of Staff
1	Online Classes conducted through online platforms such as Zoom, Cisco Webex, Google Meet, Google Duo, etc during Covid-19 Lockdown	All current subjects	All Sem	All Staffs
2	Online Exams conducted through online platforms such as Google Classroom, Google Duo, etc during Covid-19 Lockdown	All current subjects	All Sem	All Staffs
3	Online Quiz based assignments	ESD	6th Sem	Prof. P. C. Vasani, Prof. Y. J. Chauhan

Result Analysis

Summer - 2020		Nos. of students appeared	Nos. of students passed	Pass %
FY	II Sem	65	56	86.15
SY	IV Sem	57	57	100.00
TY	VI Sem	53	53	100.00
LY	VIII Sem	66	66	100.00



Topper of Summer 2019 GTU Exam

2nd Semester

Sr. No	Enrollment No	Name	SPI
1	190610106066	PRAJAPATI SAURAV ANILBHAI	8.86
2	190610106037	MAKWANA SHITALKUMAR KANAIYALAL	8.82
3	190610106076	SINDHI NAAZEELKHAN JAVEDKHAN	8.82

4th Semester

Sr. No	Enrollment No	Name	SPI
1	180610106023	KALESHRIYA VIJAYA VIKRAMSINGH	9.22
2	180610106045	PATEL SMITKUMAR NATVARLAL	9.00
3	190613106008	THUMAR BINAL HARESHBHAI	8.91

6th Semester

Sr. No	Enrollment No	Name	SPI
1	170610106003	BHARATIYA RAJKUMAR ARJUNBHAI	9.23
2	170610106007	CHAUDHARI NEHALBEN JESANGBHAI	9.20
3	170610106018	DESAI DIPTI BALDEVBHAI	9.10

8th Semester

Sr. No	Enrollment No	Name	SPI
1	160610106053	SHETH PURVANG ASHWINKUMAR	10.00
2	170613106016	SUMRA SALMANKHAN SIKANDARBHAI	10.00
3	160610106021	KAKADIYA DIVYESH ARVINDBHAI	10.00

Training attended by Student

Sr. No	Name of Industry	Date	Duration	No. of Student
	NIL (Due to Covid-19 Lockdown)			

Faculty/staff training/seminar/conferences attended

Sr. No	Name of Faculty	Training	Name of Institute/Organizer	Duration	
				From	To
1	Dr. G. M. Savaliya	Accreditation for Undergraduate Engineering Programmes	SYAWAM, NITTTR Bhopal	27/01/2020	20/04/2020
2	Prof. H.U.Patel	Faculty Development for Teacher for Technical Courses	IITE Gandhinagar	29/02/2020	26/03/2020
3	Prof. N.R.Kotiya	Accreditation for Undergraduate Engineering Programmes	SYAWAM, NITTTR Bhopal	27/01/2020	20/04/2020
4	Prof. R. K. Rathod	Faculty Development Programme	SSIP, GKS, DTE	06/01/2020	10/01/2020

Research Publications

International Journal / Conference publications:

1. **Vijay Sharma, M. K. Shrimali, S. D. Bharti and T. K. Datta (2020), "Behavior of semi-rigid steel frames under near- and far-field earthquakes", *Steel and Composite Structures, An International Journal*, 34(5), pp. 625-641 Techno-Press, Korea. ISSN: 1229-9367 (Print), 1598-6233 (Online) *SCI Indexed I.F. 4.394 (2019)* <https://doi.org/10.12989/scs.2020.34.5.625>**

Department Activities

Industrial Visit

Sr. No.	Name of Industry	Day	Semester
1	Site visit of Sardar Sarovar Narmada Dam at Kevadia Colony	13/03/2020	4 th Sem & 6 th Sem

2	Site visit of Statue of Unity, World's Tallest Statue at Kevadia Colony	13/03/2020	4 th Sem & 6 th Sem
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Expert Lecture

Sr. No.	Date	Topic	Name of Expert	Platform Used	Remarks
1	2/1/2020	Expert lecture on Career Guidance	Mr Kush Thaker	Seminar hall	-
2	11/2/2020	Expert lecture on "OPPORTUNITY FOR CIVIL ENGINEERS AS A STRUCTURAL DESIGNER"	Mr Sunny	Seminar hall	Civil Career, Ahmedabad
3	18/4/2020	Scope of Studies and Career in abroad	Dr. Damyanti G Badagha	Zoom App	Assistant Professor, at S.N.P.I.T & Research Centre,
4	18/4/2020	Communication Skill	Dr Mira Vasani	Zoom App	IITRAM
5	19/4/2020	Structural Designing	Pinalbhai Shah	Zoom App	Rusabh Consultant
6	19/4/2020	Online Guidance on Oppurtunities in Software learning for Civil EGINEERING	Dipakbhai	Zoom App	Builder, Ahmedabad
7	21/4/2020	Life skills in Corona Crisis	Mr. Gaurav Thakkar	Zoom App	FSP trainer
8	24/4/2020	Design and Construction of Transportation Structures - Industry Practices in Middle East Africa	Mr. Jay patel	Zoom App	Structural Consultant
9	27/4/2020	Analysis and Design of transmission Line Tower	Mr. Viral Kapadiya	Webex App	Professional Structural Engineer

10	28/4/2020	Abroad Studies Guidance	Niketa Dedhia	Go to meet App	Higher Educational Consultant
11	20/5/2020	Cracks in Concrete Structures	Prof, R.J.Shah	Zoom App	Ultratech Cement limited
12	25/5/2020 to 29/5/2020	Project Based Online Training on revit Architecture	Shri Mukesh Yogi and Shri Yogesh Zala	Webex App	SAI CAD Centre.

Student Projects

Sr. No.	Project Title	Name of Guide
1	High Strength Self Compacting Concrete (HSSCC) Using Marble Waste as a Replacement of Natural Aggregates	Prof. Y. J. Chauhan
2	Improvement of Soil Property	Prof. N. R. Kotiya
3	Efficient Working of STP and Grey Water Treatment of Individual Dwelling Unit	Prof. R. K. Rathod
4	Net Zero Entergy Building	Prof. G M Savaliya
5	Development of Spread Sheet for Design of Water Tank As Per IS: 3370 - 2009	Prof. Y. J. Chauhan
6	Planning of School Building	Prof. S. G. Chauhan
7	Design of a R.C.C. Elements Structure Using Excel Sheet	Prof. P. C. Vasani
8	Design of PT Slab As Per IS: 1343:2012	Prof. Y. J. Chauhan
9	Travel Time Analysis on selected stretches on Palanpur City.	Prof. H. U. PATEL

Sr. No.	Project Title	Name of Guide
10	Causes, Prevention and Repair of Cracks in Buildings	Prof. G. M. Savaliya
11	Top Roof & Surface Water Conservation	Prof. R. K. RATHOD
12	Design Aid of Reinforced Earthen Wall for Bridge Approach	Prof. Y. J. Chauhan
13	Planning & Estimation of Residential & Commercial Building	Prof. S. G. Chauhan
14	Sustainable Building Planning	Pro. S. G. Chauhan

Student Achievements

Sr. No.	Enrollment Number	Name of Student	Name of Event	Place	Date	Outcome
1	170613106002 170613106009 170613106007	1. Bhatt Devansh Harshendukumar 2. Patel Milankumar Bhaktibhai 3. Parmar Sureshsinh Mukundsinh	“UltraTech Sparkling Star 2020” Inter College Power Point Presentation Contest	Sankalchand Patel College of Engineering, Visnagar, Mehsana	24th – 25th Feb 2020	2 nd Runner Up
2	170610106048	Prajapati Nilesh Ramchandrabhai	NSS State Republic Day Camp	Rajkot	14 th to 26 th January 2020	NSS platoon got 3 rd rank
3	170610106048 190613106008	1. Prajapati Nilesh Ramchandrabhai 2. Thumar Binal Hareshbhai	NSS National Integration Camp (NIC) camp	Andhra Pradesh	26th feb to 03rd march 2020	-