

July - December 2022

(Issue -6)

E – Newsletter

CIVIL BULLETIN



Civil Engineering Department

**Dr. S. & s. s. Ghandhy College of engg. &
tech. Surat**

MESSAGE FROM HOD'S DESK



It is our prodigious gratification to publish out department's half yearly newsletter for propagating the major activities performed by department's students. Civil Engineering department is considered to be vigorous and dynamic with the integration of young, well qualified and experienced faculty members. The department has been equipped with adequate laboratories for all the courses according to curriculum of G.T.U. Department's faculties & students actively engage in various extracurricular activities along with committed in academics mutually. Our department leads various Co-curricular and extracurricular activities such as address on motivation, Seminars, expert lectures and Industrial visits to assure industrial adaptability for our students. We congratulate all Students who have brought honors to the department and our best wishes to them for success in their future Endeavour.

Contact Details

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Head of the department

Department of Civil Engineering

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MESSAGE FROM EDITORIAL BOARD

Dear Readers,

As the Editor of "CIVIL BULLETIN" A civil department newsletter please let me start by conveying my regard to all the team members who supported me for making this happen. This Newsletter mirrors the vision and mission of civil department. It also highlights the events activities and achievements, I have tried to capture last 6 months excitement. I do hope that "CIVIL BULLETIN" will encourage many more students to come forward and express their talent and creativity. In order To keep the readers widely interested and updated we will off course continue the tradition of communicating the significant events and activities of Civil Department.

We also want to thanks all the students, staff and faculty for their support and sharing their achievements with us and allowing us to make this issue possible.

Editor in chief
D. P. RAO (HOD)

Editor
Ms. K. D. Uchdadiya (LCE)
Mr. N. K. Rihinwala (LCE)

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"With your help, we can build better societies."

ABOUT DEPARTMENT

Civil engineering department was established in 1955 with intake of 60 students, of Dr. S. & S. S. Ghandhy College of Engineering and Technology, Surat. Institute is running under Department of Technical Education, Government of Gujarat and is affiliated to Gujarat Technological University, Ahmedabad. Diploma Civil engineering program is approved by All India council for technical education (AICTE), New Delhi.

The Civil Engineering Department is one of the founding departments in the Institute and has grown substantially over the years. Department is a Professional engineering discipline which deals with the Design, Construction and Maintenance of the physical and naturally built environment. Program was accredited by NBA for the period of 2021 - 2024. The present student intake of the department is 124 from 2008 in two divisions and guided by well qualified and experienced faculties. Department consists of various laboratories like, Surveying, Transportation engineering, Fluid mechanics, Environmental Engineering etc. Civil Engineering can be considered as a single largest branch among all the engineering branches.

VISION

"Achieve Excellence in Civil Engineering for sustainable and comprehensive growth of industry & society."

MISSION

- To develop core competency in civil engineering.
- To promote learning through innovative approach for sustainable development.
- To inculcate professional knowledge & entrepreneurship skill with moral, ethical & professional value for industry & society.
- To upgrade staff with advancement in civil engineering & professional Liaisoning with industry.



PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

1. To understand, design and Operations of Civil Engineering Tools.
2. To implement the imperative knowledge of science & fundamental concepts of civil engineering.
3. To pursue higher education, Career development & entrepreneurship skills in Civil engineering.
4. To exhibit leadership, trigger social & economical commitments & to inculcate community services and protect environment.

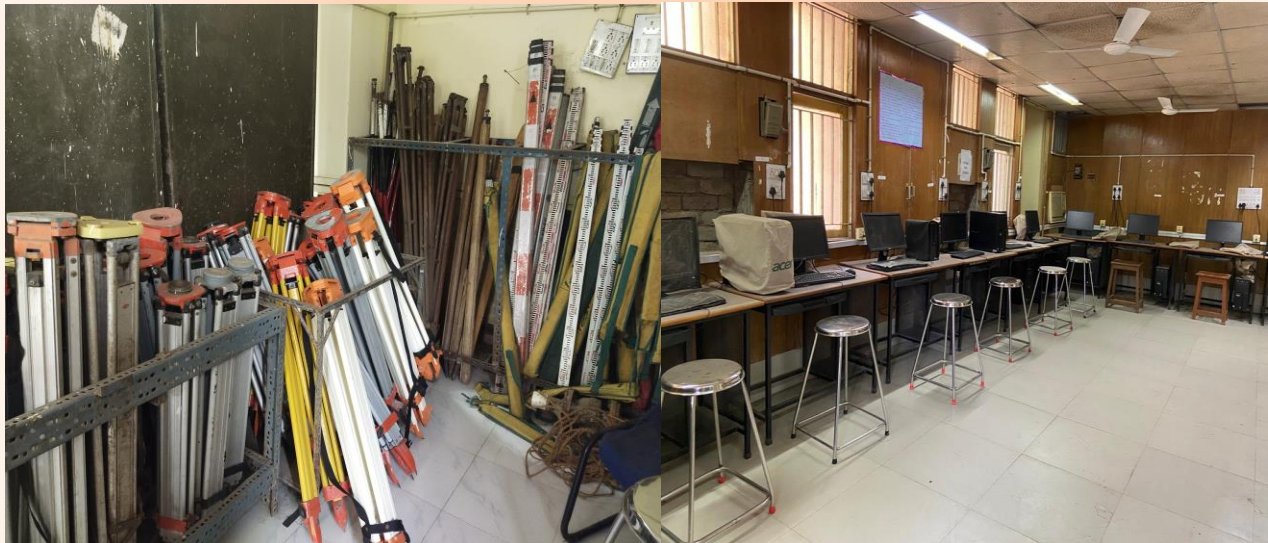
PROGRAM SPECIFIC OUTCOMES (PSOs)

1. To plan, design, estimate, execution and maintenance of various civil engineering structures.
2. To solve civil engineering problems for sustainable development of society & environment.

DEPARTMENT FACILITIES

Laboratories information

SR.NO.	ROOM NO.	LAB NAME	LAB INCHARGE
1	LRUC -1	Surveying Lab	Mr. N. K. Ribinwala
2	LRUC-2	Environmental Engineering Lab	Ku. R. D. Goswami
3	LRUC-3	Computer Lab	Mr. S. V. Nimavat
4	ROOM -2	Transportation engineering lab	Mr. N. G. Mahajan



Department Library Information:

No of Titles: 162 books of various subjects available for faculties



"THE ONLY THING THAT YOU ABSOLUTELY HAVE TO KNOW, IS THE LOCATION OF THE LIBRARY."

Placement



Sr. no.	COMPANY NAME	DATE OF INTERVIEW (DD/MM/YY)	NO. OF STUDENTS PARTICIPANTS	NO. OF STUDENTS SELECTED
1	Ultratech RMC	19/11/2022	9	Result Awaited

FAME IN ACADEMIA

2ND SEMESTER

Position	En. No.	Name	Marks
1 ST	216120306048	DALAL MEET NEHALKUMAR	9.62
2 ND	216120306029	KUNWAR VIRAJ DHARMESHBHAI	9.31
3 RD	216120306085	VANIYAWALA FERIK NIMESHKUMAR	9.00

We shape our buildings, thereafter they shape us.

DEPARTMENT CO-CURRICULAR ACTIVITIES

1st year Orientation program

The purpose of students' orientation is to welcome new student to the organization, communicate important policy and culture information, and introduce students to their new place of work. Orientation program is to help the students to understand the nature of the college, the educational opportunities available to them, the values and functions of the college community.

Date: 23/09/2022

Venue: Seminar Hall, SSGP

No. of students: 105



DEPARTMENT EXTRA-CURRICULAR ACTIVITIES

SEMINAR ON “Save Soil” movement under the “Azadi ka Amrit Mahotsav”

Soil is the loose surface material that covers most land. Under handful of soil, nos of living organisms are more than that of living human on the earth today. These organisms make earth live, fertile and productive for growing crops through which human subsistence and life is rest. To spread awareness about importance of soil in human life, “SAVE SOIL” Movement was started by the Isha Foundation led by Sadhguru. To spread consciousness about this, NSS Unit of Civil Engineering Department of Dr. S. & S. S. Ghandhy college of Engg. & Tech., Surat under the Azadi Ka Amrit Mahotsav is an initiative organized awareness drive on this.

This awareness drive was joined by 3 faculties and 56 students.

Students were aware about following

- 1) Soil - Basics.
- 2) In what ways, human life dependent on soil.
- 3) Crisis of Soil Fertility
- 4) Vitamin deficiencies in crops it self and in human due to less organic content in soil.
- 5) Desertification problem due to organic content in soil
- 6) Soil as a Carbon Sink
- 7) Why effort at present is necessary.
- 8) What various steps can be taken to conserve soil at community level
- 9) What various steps can be taken to conserve soil at individual level

Date: 19/07/2022

Venue: Seminar Hall, SSGP

No. of students: 59



INDUSTRIAL EXPOSURE

Field Visit to “Ahmedabad-Mumbai Bullet

The visit started with a Safety Training followed by the Bullet Train Project presentation by Mr. Chitranshu Kumar, Senior Manager from National High Speed Rail Corporation Ltd.(NHSRCL). He explained Various technical features of the project, design consideration, grouping of piles, concrete girder casting, formwork design, girder curing, erection, lifting and positioning the girders on pier.

Total 104 students from final year (Div. A & Div.B) and six faculty members from Civil Engineering Department visited the site.

The student visit was acknowledged by NHSRCL on their Social Media

The visit was appreciated by Ministry of Railways through social media.

Date: 30/09/2022 and 01/10/2022

Venue: Padgha, Navsari

No. of students: 110



Field Visit to “Sewage treatment plant”

The purpose of the visit was to familiarize the students with the procedure of municipal waste water treatment and reuse. The visit was quite helpful for the students to get the practical knowledge regarding the functioning and process of municipal waste water treatment plant.

Total 104 students from final year (Div. A & Div.B) and four faculty members from Civil Engineering Department visited the site.

Date: 03/09/2022

Venue: Singanpore Surat

No. of students: 108





Faculty Name: Vidhi mevada
Instructor class - 3



Student Name: AHIR RIDDHI U.
Roll No. : 22CE-067
Class: 1st sem Division -A



Student Name: Umrigar Vinay D.
Roll No. : 22CE-061
Class: 1st sem Division -A



Student Name: Sharma Karan A.

Roll No. : 22CE-053

Class: 1st sem Division -A



Student Name: Kukadiya vineet

En. No. : 216120306045

Class: 3rd sem Division -A

“Creativity doesn’t wait for that perfect moment. It fashions its own perfect moments out of ordinary ones.”

CONSTRUCTION WORK PROJECTS

Atal Bridge



This iconic Atal Bridge is first of its kind in the country. It will connect west and east part of Sabarmati Riverfront. It has drawn inspiration from the Kites and the celebration of Utrayan. Even the colours chosen reflects the hues of kites. To feel the joy of walking above the river, this glass Atal Bridge is constructed between Sardar Bridge and Ellis Bridge. The bridge is solely for the walking purpose and also having seating arrangements for the people to enjoy the beauty of the river from the bridge. Plantation of various trees are also done to have some green cover on the bridge.

Key Features:

1. Total Length: 300 m, Middle span 100 m.
2. Width: 10 m at both ends and 14 m at middle portion
3. Entry from both Upper and lower promenades of Riverfront on both sides east and west.
4. Design: Weight of Structural Steel 2600 MT., RCC Pile foundation, Spherical Bearings at supports and Tensile Fabric Roofing.
5. Seating, Plantation and Food kiosks in the Middle span.
6. Dynamic color changing LED Lights.
7. F & B Kiosks, Sit outs with Planters at the center of the bridge.
8. Recreational facility in the middle of the River Body where citizens can enjoy nature with peace and tranquility.

T h a n k Y o u