



SARVAJANIK EDUCATION SOCIETY

Sarvajani College of Engineering & Technology

.....Towards Progressive Civilization

(A Constituent Institute of SARVAJANIK UNIVERSITY)

Dr. R. K. Desai Marg, Athwalines, Surat-395001

website: www.scet.ac.in (Contact No.: 0261-2240146-148)



Newsletter January-May 2024

STANCHION

Department of Civil Engineering



Dr. Hiren Patel,
Principal, SCET



Sitting from the left in the row below: Dr. Manisha Vashi, Dr. Khushbu Gandhi, Prof. Ratna Jadvani, Dr. Pratima Patel, Dr. Mehali Mehta, Dr. Jigar Sevalia, Prof. Dharmesh Bhagat, Prof. Himanshu Padhya, Dr. Kamlesh Dalal, Mr. Jagdish Tadv

Sitting from the left in the row above: Prof. Chaitali Patel, Mrs. Manisha Sutarwala, Prof. Hemali Jardosh, Prof. Ankita Parmar, Prof. Payal Zaveri, Prof. Mitali Shah, Dr. Minakshi Vaghani, Mr. Hitendra Patel, Mr. Girish Kikani, Mr. Atul Patel, Mr. Santosh Gayakwad



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MESSAGE FROM THE DESK OF DEPARTMENT HEAD



Dr. Mehali J. Mehta,
Head of the Department

There is a persistent need for strong infrastructure for the development and economic growth of any nation, and Civil Engineering plays a distinctive role in such advancements. The NBA-accredited Department of Civil Engineering at Sarvajani College of Engineering & Tech., Surat offers courses leading to B. Tech. and B. Tech degrees. (Hons.) in Civil Engineering with a specialization in Structural Health Monitoring, Town and Regional Planning, Urban Environment and Sustainability Soil Mechanics and Foundation, and Valuation. Post-graduate programs of M.Tech. in Environmental Engineering, Town and Country Planning, and Structural Engineering are also offered by the department. The Department focuses on grooming students through the dissemination of technical knowledge and technical skills along with professional field exposure. Backed by well-equipped laboratories and experienced faculties, we are dedicated to imparting quality engineering education to the younger generation.



What's inside?

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From Editors' Diary



"Writing is the painting of the voice." – Voltaire.

We, as editors, feel not only great, but we experience a profound and heartfelt feeling of belonging to the Civil Engineering Department, SCET. We are extremely excited as we present to you, the second issue of 'Stanchion', our department newsletter. This issue has all the good activities and achievements by students and faculties as well, between January 2024 to May 2024. We are eager to share our newly started campaign on guiding school pupils on the future career options available after schooling so that they can shape their future based on their interests right from the beginning of their graduation course. We sincerely thank Dr. Mehali J. Mehta, HOD, DoCE and all worthy faculties with staff members for putting in their collective efforts in the process of making this issue happen in time.

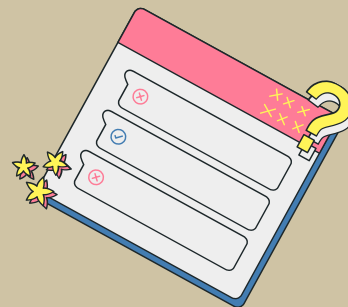


Prof. Himanshu Padhya
Associate Professor



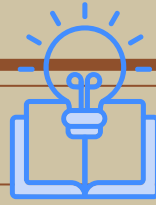
Chaitali Patel
Assistant Professor (Contractual)

Scan a QR below to play a short exciting Quiz





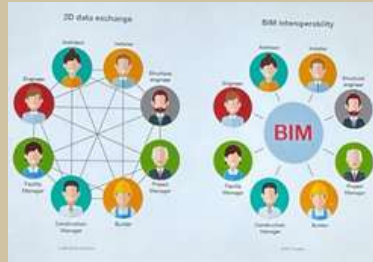
Expert Talks



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• Understanding Digitalization in the Construction Industry with BIM (Building Information Modelling)

An Expert Talk by Er. Parimal Vala on **Understanding Digitalization in the Construction Industry with BIM (Building Information Modelling)** was organized on 6th February 2024 for B.Tech III (Semester 6) students. The talk covered basic details of BIM and its workflow process. It also covered details based on models used for the planning, design, construction, and management of building and infrastructure projects that helps construction managers to create a virtual project model that can be analyzed and modified before any physical work begins.



• Basics of Professional REVIT Software

An Expert Talk titled **Professional REVIT** was organized on the 12th Feb 2024 for the students of B.Tech III (6 sem) students. The expert talk was conducted by Mr. Praveen Suryavanshi, Director, of Professional Computer Education (PCE), Surat. The objective of the talk was to gain practical knowledge of REVIT and its diverse applications, How this software simplifies tasks and reduces time consumption, and illustrate its practical benefits. Students were updated on the latest industry trends and software advancements and offered practical solutions to common challenges, facilitating networking and collaboration among professionals.

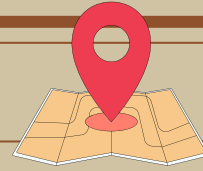


• Deep Foundations in National Corridor Projects– Design to Execution in Applied Research

An Expert talk on “**Deep Foundations in National Corridor Projects – Design to Execution in Applied Research**” was organized on 22nd February 2024 for the students of B.Tech II and III Year. The expert talk was conducted by Dr. Mohit Mistry, Deputy Manager (Technical), Geo Dynamic Testing & Consultancy Pvt. Ltd, Vadodara. The objective of the talk was to enhance the knowledge of soil and foundation engineering and its field applications.



Academic Field Visits



• Visit to Sthapatya 2024

Visit to **STHAPATYA 2024** was organized for **3rd YEAR 6th SEM.** on **8th Jan 2024**. The field visit gave exposure to modern construction materials, **knowledge and market prices of various building materials, and architectural and interior products** under the course of **Estimation, Costing & Valuation**.

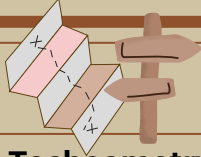
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• Visit to an under Construction Architectural Building, SU

Visit to the **Construction site of the foundation at the New Architectural building** of SCET has been organized for **B. Tech II and 3rd year** students on **1st February 2024**. The field visit gave the exposure to the construction of the raft foundation and RCC detailing.





Academic Tours



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• Saputara Techeometry Survey Tour

Visit to Saputara for the Tacheometry Survey Project Tour of B.Tech. 2nd Year (4th Semester) under the course of Advanced Surveying by a team of 23 students and 4 staff members (Dr.Kamlesh Dalal, Dr. Manisha Vashi, Mr.Girish Kikani, Mr.Jagdish Tadvi) on 22-23 April 2024. Tachometry is used for preparation of topographic map where both horizontal and vertical distances are required to be measured; survey work in difficult terrain where direct methods of measurements are inconvenient; reconnaissance survey for highways and railways etc; Establishment of secondary control points. This academic tour serves an important field experience.



• Interaction with the Society (Civil in City Bhaskar)

સ્ટુડન્ટ્સે સ્પેશિયલ કિડ્ની મુલાકાત લીધી



સુસ્ત | સિવિલ એન્જિનિયરિંગ વિભાગ, SCET, ટ્રાન્સ ડિસિપ્લિનરી ઓપન ઇવેન્ટિવ

ઓફ IQ vs EQ ઓફર કરી રહ્યું છે. તેના અભ્યાસક્રમના ભાગરૂપે ડિપાર્ટમેન્ટના વિદ્યાર્થીઓએ મમતા સ્કૂલ ફોર સ્પેશિયલ કિડ્સની વિઝીટ કરી બાળકો સાથેની શ્રાવણી પ્રશંસા કરી અને સહાનુભૂતિ, દયા અને કૃતજ્ઞતાની લાગણી અનુભવી. EQ સુધારવા માટેના મહત્વપૂર્ણ સાધનો સાથે વિદ્યાર્થીઓ દિવ્યાંગો સાથે સાથે રમતા જોવા મળ્યા હતા.





Extra-Curricular Activities



• Tree Plantation by Environment Club

Tree Plantation Event was organized on the 26th of January 2024 by the Environment Club to impart the importance of Planting trees to suppress the impacts of climate change on the Urban Environment.



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• Sports Day Celebration

A "SPORTS DAY 2024" was organized on 24th and 25th February 2024 by the Department of Civil Engineering. Various sports were organized in this event including Volleyball, Cricket, Badminton, tug of war, and table tennis. More than 100 students and faculty members participated enthusiastically in various games. This event highlighted the importance of sports and physical fitness in our day-to-day life.





Interaction with Parents

We value the parents of our students as one of the important stakeholders of academics. A Parents' Meet for **I and III Year** parents was organized by the department on **06.04.2024**, which was well attended by the parents. Vial issues like **students' performance in Mid-Term Exams and Result improvement** were discussed in detail by the team. Also, parents were given important information regarding **the importance of the upcoming selection of major/minor subjects**. Some very important points on **career guidance** were vehemently discussed with all parents.

All parents respectfully acknowledged the efforts of worthy teachers, along with HOD Dr. Mehali in the end.



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Interaction with School Authorities



Interaction with **Sunilkumar Jadhav**, Interaction with **Kishorbhai Jani**, Interaction with **Mr. Pratik Parekh**,
Principal, C .C. Shah Sarvajanik Principal, Experimental Sarvajanik Principal, M. T. Jariwala High School,
English High School on 01 May 2024. English High School on 01 May 2024. May 01, 2024.

Interaction with School Students & Career Guidance



Career guidance is a crucial part of helping students to develop in their academic careers. It helps students to decide which subjects they should take up, why they are vital and what is the scope of a particular subject. It also helps in making the right choice of subject in higher studies. Career guidance helps to provide adequate information about different careers and opportunities.

A Career guidance seminar was organized on **10th April 2024** at **SMT. L.N.B. Daliya High School** for the students of the **Science stream**. A career guidance seminar for 12th-grade students aims to help them explore diverse career options, assess their strengths and interests, and equip them with the knowledge needed to decide their future paths, boosting confidence and empowering them for successful transitions beyond high school.



Faculty Achievements

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• Ph. D. Awards

Dr. Khushbu S. Gandhi was awarded a Ph. D. by Sardar Vallabhbhai National Institute of Technology, Surat in the presence of our president Mrs. Droupadi Murmu on 12th February 2024 for her work on "Behavior of Expansive Clay treated with Industrial Waste Bagasse Ash and Varying Slag" under the assistance of Dr. Shruti Shukla, Assistant Professor, Civil Engineering Department, SVNIT, Surat.



• Faculty Achievement

Dr. Khushbu S. Gandhi received a Certificate of Appreciation from the Honourable Chairman, SES, Shri Bharatbhai Shah for completing their Ph.D. on April 18, 2024, during Verve-2024 celebrations.

Students' Achievements

The Civil Engineering Department runs 3 Courses in the Postgraduate Program (Environmental Engineering, Town & Country Planning and Structural Engineering). The toppers of each program were awarded gold medals & certificates for their excellent academic performances during the 2nd Convocation of Sarvajani University on 21 February 2024.



Rank 1: Ragini Patel
Rank 2: Chetan Parsewar
M.Tech. Environmental Engineering



Rank 1: Jay Zaveri
M.Tech. Town & Country Planning



Rank 2: Masira Mo Arif Nalbandh
M.Tech. Town & Country Planning



Rank 1: Ravi Vamja
M.Tech. Structural Engineering



Pal Desai, studying in B. Tech. III Civil, led the Fantasy Dance Crew group and secured second position in the dance competition, organized as a part of Verve 2024, in the group category. She also won the Khel Maha Kumbh football tournament at the district level representing Valsad district.



Jack Emmanuel Mukherji of B.Tech. 3rd Year Civil is a remarkable individual who has demonstrated exceptional leadership skills and talent across various fields. As the captain of the university football team for two consecutive years. His pursuit of a Bachelor's in Dramatics from Sarvajani College of Performing Arts (SCOPA) showcases his commitment to his passion for drama. His success in competitions such as the one-act competition at the state level and the Act on Cue monologue competition. A remarkable 40 shows of Jain plays within just 4 days.