



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)



Department of Civil Engineering

NBA Accredited for 3 Years (2023-24 to 2025-26)

Newsletter

STANCHION

July-December 2023



Dr. Hiren Patel,
Principal, SCET

Faculty Members

Dr. Mehali Mehta - Associate Professor & HOD

Dr. Pratima Patel - Professor

Dr. Jigar Sevalia - Professor

Prof. Dharmesh Bhagat - Associate Professor

Prof. Himanshu Padhya - Associate Professor

Prof. Ratna Jadvani - Associate Professor

Dr. Khushbu Gandhi - Assistant Professor

Prof. Mitali Shah - Assistant Professor

Prof. Sejal Bhagat - Assistant Professor

Dr. Minakshi Vaghani - Assistant Professor

Prof. Payal Zaveri - Assistant Professor

Dr. Kamlesh Dalal - Assistant Professor

Prof. Ankita Parmar - Assistant Professor

Prof. Hemali Jardosh - Assistant Professor

Dr. Manisha Vashi - Assistant Professor

Prof. Chaitali Patel - Adhoc Assistant Professor

Prof. Chaitali Solanki - Adhoc Assistant Professor

Prof. Abhishek Shinde - Adhoc Assistant Professor



**Scan me Please for
Instagram!**

Message from the desk of Department Head

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 and Technology, 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.



Dr. Mehali J. Mehta,
Head of the Department



Prof. Himanshu Padhya
Associate Professor



Chaitali Patel
Assistant Professor (Contractual)

Message from Editors

It gives us immense pleasure to shoulder the responsibility as editors for 'Stanchion' - A Civil Engineering Department, SCET's half-yearly newsletter. This is a special issue, as it is the first after the department received prestigious NBA accreditation for three years. We see this newsletter as a connecting force, a mortar force that connects our department and its activities to the outside world and helps us register our footprints in society. Our sincere thanks to HOD Dr. Mehali Mehta and all faculties of the department for their direct and indirect contribution, and blessings to all students who worked with us.....!!

find us at : [scetcivilengineering](https://www.instagram.com/scetcivilengineering)

What's inside?

1. R & D Talk Series
2. Seminars and Workshops
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 - Students
 - Faculties



Sitting from Left: Prof. Dharmesh Bhagat, Dr. Jigar Sevalia, Prof. Himanshu Padhya, Dr. Mehali Mehta (HOD - 2023 Onwards), Dr. Pratima Patel, Prof. Ratna Jadvani, Dr. Khushbu Gandhi

Standing from Left: Prof. Abhishek Shinde, Prof. Chaitali Solanki, Manisha Sutarwala, Prof. Chaitali Patel, Prof. Ankita Parmar, Dr. Minakshi Vaghani, Prof. Mitali Shah, Prof. Sejal Bhagat, Prof. Payal Zaveri, Dr. Kamlesh Dalal, Prof. Hemali Jardosh, Dr. Manisha Vashi, Prof. Zarana Gandhi

Standing Behind from the Left: Santosh Gayakwad, Jagdish Tadv, Hitendra Patel, Girish Kikani

R & D Talk Series



An Expert Talk titled **"Urban Air Pollution Issues and Management"** under the R&D talk series was organized on **24th August, 2023 from 11:00 am-1:00 pm** at N.J. Seminar Hall for the students of B.Tech III and B.E IV year and M.Tech II Environmental Engineering. The expert talk was conducted by **Dr. Namrata Jariwala, Assistant Professor, Sardar Vallabhbhai National Institute of Technology (SVNIT), Surat**. The objective of the talk was to impart a fundamental and technical understanding of Air Pollution issues & their impacts on Humans & Urban Air.



An Expert talk titled **"Soil Investigation for Foundation of Structures"** was arranged on **8 August 2023**, by **Dr. C. H. Solanki** for B.Tech. II & III year students.

The objective of the talk was to give a brief idea of Soil Investigation, its significance & and the preparation of soil investigation report and correlation of N values with the bearing capacity of the soil along with the various field tests and various criteria for deciding a number of boreholes.



An Expert Talk titled **"Sustainable Urban Planning through Housing"** under the R&D talk series was organized by the Civil Engineering Department on **28th August 2023 from 09:30 am-12:30 pm** at N.J. Seminar Hall for the students of B.Tech II, III and B.E IV year and M.Tech I & II year students. The expert talk was conducted by **Dr. Krupesh Chauhan, Professor, Sardar Vallabhbhai National Institute of Technology (SVNIT), Surat**.



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Seminars & Workshops



TWO-DAYS DRONE WORKSHOP

A two-day workshop on **"Efficiency and Accuracy from Drone to Blueprint-EADB 2023"** was organized for all branches of Engineering on **15-16 September 2023**.



TWO-DAYS WORKSHOP ON NDT

A Two days Skill development workshop on **"Quality Inspection & Non-Destructive testing"** was organized for B.Tech IV Civil & M.Tech Structural Engineering students on **20-21 October 2023**.



SARVAJANIK COLLEGE OF ENGINEERING & TECHNOLOGY
A Government Institute of Skill for India, Sarva Jyoti
Department of Civil Engineering
(SARVAJANIK FOR 1 YEAR FROM SEPTEMBER 2023-24)

2023
TWO DAYS SKILL DEVELOPMENT WORKSHOP ON QUALITY INSPECTION AND NON-DESTRUCTIVE TESTING
20-21 October, 2023
Venue: NDT Workshop Hall
A part of the Workshop: 8:30 AM to 5:00 PM
Registration Fee: Rs. 400/-

COORDINATING TEAM:
DR. SAMA S. DEVILIA
Department of Civil Engineering, SCET
PROF. DHARMESH K. BHADAT
Department of Civil Engineering, SCET
DR. MINAKSHI VAGSANI
Assistant Professor, Department of Civil Engineering, SCET
DR. SANKHAR DHALA
Assistant Professor, Department of Civil Engineering, SCET

HEAD OF THE DEPARTMENT:
DR. MEHUL J. MEHTA
Professor & Head of the Department of Civil Engineering, SCET
PA: VINU
DR. HIRSH PATEL
Professor & Head of the Department of Civil Engineering, SCET

SARVAJANIK EDUCATION SOCIETY
SARVAJANIK COLLEGE OF ENGINEERING AND TECHNOLOGY
DEPARTMENT OF CIVIL ENGINEERING
(SARVAJANIK FOR 2 YEARS FROM SEPTEMBER 2022-24)

TWO DAYS SKILL DEVELOPMENT WORKSHOP ON QUALITY INSPECTION AND NON-DESTRUCTIVE TESTING
20-21 OCTOBER, 2023

ESTEEMED STRUCTURAL CONSULTANTS
DR. NIKHIL DESAI
Consulting Structural Engineer
401, Kalyaneshwar, Kalyan
Dr. 1 Team: Quality Control Inspection
Duration: 2.00 PM to 3.00 PM
DR. RAJESH SHAIK
Consulting Civil & Structural Engineer
401/2 Team: Quality Control Inspection
Duration: 3.00 PM to 4.00 PM

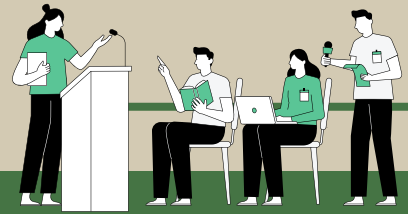
FACULTY EXPERTS
DR. DHARMESH BHADAT
Department of Civil Engineering
Dr. 1 Team: Quality Control Inspection
Duration: 2.00 PM to 3.00 PM
DR. SANKHAR DHALA
Department of Civil Engineering
Dr. 2 Team: Quality Control Inspection
Duration: 3.00 PM to 4.00 PM
DR. SAMA S. DEVILIA
Department of Civil Engineering
Dr. 3 Team: Quality Control Inspection
Duration: 4.00 PM to 5.00 PM

Register yourself through below
QR Code
#SARVAJANIK2023



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Seminars & Workshops



NATIONAL SEMINAR UNDER IGS STUDENT CHAPTER WITH SVNIT

National seminar organized by SCET IGS student chapter with SVNIT on 15 October, 2023. 30 students participated in the event.

Pal Desai and Jinnith Patel as Student coordinators, and Dr. Pratima Patel & Dr. Khushbu Gandhi as Faculty coordinators.



Academic Field Visits

Visit to **Eco-vision plastic waste recycling Facility** by Civil B.Tech. third-year & M.tech Env. first-year students. The field visit gives them an insight into actual waste management practices & and applications of theories they study.



Visit to a **Sewage Treatment Plant**, in Anjana, Surat by B.Tech third-year and M.Tech first-year students on 07 October 2023.

Visit to a **structural repair site at Lalbhai Contractor Complex, Nanpura, Surat**. for the subject of Repair & Rehabilitation of Structures for BE final Year students on 11 September 2023.



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Academic Field Visits



Visit to **Katargam Water Treatment Plant** by B.Tech third-year and M.Tech Env. first-year students on 6 October 2023.



Visit to **En-Cler Bio-Medical Waste Recycling Facility** by B.Tech third-year and M.Tech Env. first-year students on 12 October 2023



Visit to **Construction site of B.Tech third-year Students** on 15 July 2023. The purpose was to give field exposure to ongoing sites, methods and practices followed on-site.



Visit to **an under-construction site** by B.Tech third-year students and M.Tech first-year students, to learn about the Field Practices. Students had exposure to Various Types of Construction Materials used at the Site, Types of Formwork, Structural Detailing, Implementation of Various IS Codal Provisions, Importance of Cover Blocks, Quality Control Measures to be followed at the Site to Produce Durable Structures, Provisions for Service Lines in R.C.C. Members and many more such things which are important to learn for providing a link between theories learnt in Classes and field practices.

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Academic Tours

GOA TOUR/OCTOBER

The B.E. final-year students were taken on an academic tour at GOA from 26th to 31st October 2023. Students visited many technical places at south and north GOA amongst all places, the Salaulim dam, a composite structure of earth-cum-masonry type is one of the unique dams of GOA and India where there are no gates provided to discharge the water from the upstream side when the water level reaches to a maximum level, but the curved spillway named as "Duckbill Spillway" is constructed through which the excessive water overflows from the spillway and goes to the river on downstream side. The faculty members Prof. Dharmesh Bhagat (Academic Tour Coordinator), Dr. Kamlesh Dalal and Prof. Chaitali Solanki accompanied the students.



SARDAR SAROVAR DAM & STATUE OF UNITY

The B.Tech. third-year, B.E. final-year and M.Tech. Str. first-year students were taken on a two-day trip to Sardar Sarovar Dam and Statue of Unity on 21-22 September 2023

The 2-day visit comprised the Statue of Unity and Sardar Sarovar Dam Site visit. Day 1 included a memorial garden and museum, an exhibition area, and a viewing gallery that can accommodate 200 visitors at a time which is at 153 m in height. Viewing Gallery offers a spectacular view of Sardar Sarovar Dam, its reservoir and the Satpura and Vindhya mountain ranges. Day 2 was planned for the Sardar Sarovar Dam Site, one of the largest Concrete gravity water resources projects of India covering four major states - Maharashtra, Madhya Pradesh, Gujarat and Rajasthan constructed from April 1987 to September 2017. The Dam's spillway discharging capacity (30.7 lacs cusecs) would be the third highest in the world and can store up to 9500 MCM and can fulfil the need for water in Gujarat for two years. The viewpoint provides stunning views of the dam itself, the Narmada River, and the surrounding landscape.

Students visited "The Basilica of Bom-Jesus Church, the historical structure constructed in stone masonry using laterite stones. They also visited "The National Institute of Oceanography (NIO), a research center where research is being done on ocean engineering.



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Activities Desk

ENVIRONMENT CLUB ACTIVITY

Environment Club Activity: "Prakruti" on 17 October 2023 by B.Tech. third-year club members under the guidance of Dr. Mehali J. Mehta

The event was to sensitize students to reuse waste in the best possible ways. Thereby, creating a civilized society



A College level technical event Nirmaan was organized on 29-30 September 2023. An event was planned with some non-technical activities as well. The event included following Technical & activities other than that.

- BOB- The Builder, Takeshi's Castle, The Tugging Titans, Weight-O-Meter, Civil-O-Poly, Aavishkar and The Clue Crew

PARENT-TEACHER MEETING

A Parent-Teacher meeting was organized on 11 August 2023 to discuss regular academic performance, regular attendance, and other academic activities. A detailed discussion was made on the subjects taught and students' behaviour toward study-related problems & issues.



GUJARAT GUARDIAN 21/10/2023

પર્યાવરણની દિશામાં પ્રેરણાદાયક કામગીરી

સુરત: શહેરની જાણીતી સ્કેટ કોલેજના પર્યાવરણ ક્લબના વિદ્યાર્થીઓ દ્વારા ૧૭મી ઓક્ટોબરના રોજ "પ્રકૃતિકલા" ના શીર્ષક હેઠળ પ્લાસ્ટિકના ડ્રમ ઉપર વારલી આર્ટ દ્વારા રંગકામ કરી, આજ પ્લાસ્ટિકના ડ્રમનો ઉપયોગ છોડ વાવવાના કુંડા તરીકે કરવાનો અત્યંત નવતર પ્રયોગ કરવામાં આવેલો હતો કે જેમાં 40 જેટલા વિદ્યાર્થીઓએ ભાગ લીધો હતો. કાર્યક્રમનો હેતુ શહેરની આસપાસના ઔદ્યોગિક એકમો દ્વારા વાપરવામાં આવતા પ્લાસ્ટિકના ડ્રમ કે જે અન્યથા પર્યાવરણને નુકશાન કરે છે તેનો વૃક્ષો વાવવાના કુંડા તરીકે ઉપયોગ કરી, પરવચારણને થતા નુકશાન અંગે જાગૃત કરવાનો હતો. ઉપરાંત આ જ કુંડાઓના ઉપયોગથી સમગ્ર સંસ્થાની સુંદરતામાં પણ વધારો થનાર છે. આ કાર્યક્રમની સફળતા માટે આચાર્યએ સિવિલ ડિપાર્ટમેન્ટના વડા અને વિદ્યાર્થીઓને બિરદાવ્યા હતા.



NIRMAAN 2023



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Activities Desk

TEACHER'S DAY CELEBRATION

Dr Radhakrishnan was very popular among his students and was highly revered and respected. Hence Teachers Day is observed to celebrate the contributions of a teacher to society and the nation. The day was observed with much joy by all B.E., B.Tech. & M.Tech. students, who organized a small event to thank their teachers.

ANTI-RAGING ACTIVITY

The Civil Engineering Department was organized an anti-ragging activity session on **"Awareness towards - No to ragging"** on the 17th of August, 2023 from 10:30-11:30 am in the classroom for B.Tech Civil Engineering students. students.



SSIP ACTIVITY

SU-SSIP(Student Start-up and Innovation Policy) cell was **invited by the C. C. Shah School, Experimental campus** to take part in their Science Fair to impart educational and career awareness to young minds from **25-26 August 2023**.



ALUMNI MEET

An 'Alumni Meet' under the banner 'Share What I Gain' was successfully organised on 5th August 2023 by Dr. Pratima A. Patel and Dr. Khushbu S. Gandhi with the support of the Head of Department Dr. Mehali Mehta and the SCET Alumni Association. Our Alumni shared their career paths from Student life to the current track. Nine prominent Alumni were invited to continue a link between alumni and present students. They delivered inspiring speeches and shared their experience and their journey from SCET to current status for our students. The Aim of gathering alumni and presenting **B.Tech second-year and third-year students** on a common platform turned out successfully. They gave very important and useful information regarding the entrance examinations, studies abroad, opportunities in the different fields etc.



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Activities' Desk

DEPARTMENT ELECTION 2023

A **Departmental Election** was organized for Class Representatives for all students of **B.Tech. & M.Tech. on 18 August 2023** in which students participated enthusiastically & and elected their Class Representatives fairly.

VISIT BY SCHOOL STUDENTS

Students from the **Lancers Army School** were invited by the **Sarvajanik College of Engineering & Technology** to give them a basic understanding of Engineering Branches. Such initiatives help students to understand their inclination toward different branches and interests so that they can have a clear understanding of what to select after completing schooling.



Students Achievements

ICEA (The Institute of Civil Engineers and Architects) gold medal was awarded to our student **Irendeeep Kaur** for standing **1st in the SCET Civil Engineering branch** during **Sthapatya 5-8 January 2024**.



Faculty Achievements

Ph. D. Awarded

Prof. Khushbu Gandhi was awarded a Ph. D. in Civil Engineering by **Sardar Vallabhbhai Patel National Institute of Technology** 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** on **July 13 2023**.

સંક્ષિપ્ત સમાચાર

સ્કેટ કોલેજનાં ખુશ્બુ ગાંધી પીએચ.ડી. થયાં

સુરત: સુરતની પ્રખ્યાત સાર્વજનિક કોલેજ ઓફ એન્જિનિયરિંગ એન્ડ ટેકનોલોજી (સ્કેટ)માં આસિસ્ટન્ટ પ્રોફેસર શ્રીમતી ખુશ્બુ શશીકાંત ગાંધી તેમણે સિવિલ એન્જિનિયરિંગમાં "BEHAVIOR OF EXPANSIVE CLAY TREATED WITH INDUSTRIAL WASTE BAASSE ASH AND VARYING SLAG" વિષય પર ડૉ. શ્રુતિ સુશ્લાના માર્ગદર્શન હેઠળ મહાશોધનિર્બંધ તૈયાર કર્યા હતાં. જેને માન્ય રાખી SVNIT દ્વારા પીએચડી.ની પદવી એનાયત કરવામાં આવી છે.



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