



SARVAJANIK EDUCATION SOCIETY
Sarvajani College of Engineering & Technology
.....Towards Progressive Civilization
(A Constituent Institute of SARVAJANIK UNIVERSITY)
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FACULTY OF CIVIL ENGINEERING

Report of SUSTAINABLE NIRMAAN-2k24

The poster for the NIRMAAN '24 event features a central illustration of a city skyline transitioning from grey to green, symbolizing sustainable development. The event is organized by Sarvajani Education Society, Sarvajani College of Engineering and Technology, Department of Civil Engineering. It includes various activities like Blockbusters, Balance Battle, La Casa de Papel, Logo League, Tug of Titans, Civil's Lens, and Auction Arena. The event dates are 20-21 September. The poster also lists the Tech Heads (Jinnith Patel, Pal Desai), Faculty Co-ordinators (Dr. Minakshi Vaghani, Prof. Payal Zaveri), and the Head of Department (Dr. Mehali Mehta). A QR code is present in the bottom right corner.

SARVAJANIK EDUCATION SOCIETY
SARVAJANIK COLLEGE OF ENGINEERING AND TECHNOLOGY
DEPARTMENT OF CIVIL ENGINEERING

NIRMAAN '24
20-21 SEPTEMBER

TECH HEADS
JINNITH PATEL
PAL DESAI

FACULTY CO-ORDINATORS
DR. MINAKSHI VAGHANI
PROF. PAYAL ZAVERI

HEAD OF DEPARTMENT
DR. MEHALI MEHTA

Date Of Event : 20&21 September 2024

Head Of Department : Dr. Mehali Mehta

Faculty Co-Ordinators : Dr. Minakshi Vaghani
Prof. Payal Zaveri

Tech Heads : Jinnith Patel
Pal Desai

Every year, Civil Engineering Department organises technical festival “Nirmaan” since 2014. Following this tradition, Nirmaan-2k24 was held during 20th -21st September, 2024. Students from our college had participated in various technical events of Nirmaan-2k24.

We introduced various ground-breaking events like Civil’s Lens, Blockbusters, Balance Battle, La Casa de Papel, Tug of Titans, Auction Arena and Logo League. After completion of all the events, the winners and co-ordinators were felicitated with prizes and certificates in the valedictory function which was held on 23rd September 2024.

NIRMAAN 2K24 - EVENT SCHEDULE				
SCHEDULE 20-21 SEPT 2024				
Timings	9:30 AM - 11:00 AM	11:00 AM - 1:00 PM		2:00 PM - 4:00 PM
Day 1 FRI (20/09/2024)	INAUGURATION CEREMONY & TUG OF TITANS (SCET GROUND)	BALANCE BATTLE (SURVEYING LAB)	LUNCH	AUCTION ARENA (C-301, C-302)
	CIVIL'S LENS (CIVIL CORRIDOR)			
Timings	9:00 AM - 11:00 AM	11:00 AM - 1:00 PM		2:00 PM - 4:00 PM
Day 2 SAT (21/09/2024)	LOGO LEAGUE: AVENGERS EDITION (C-301, C-302)	LA CASA DE PAPEL (SEMINAR HALL, CIVIL DEPT.)	LUNCH	BLOCKBUSTERS (SEMINAR HALL, CIVIL DEPT.)
	CIVIL'S LENS (CIVIL CORRIDOR)			





BLOCK BUSTERS

Participants were supposed to build a stable structure and achieve maximum height given to them of the structure by use of their own creative minds and were asked to unleash their inner civil engineers. In Phase1, They were given a fixed area by the event handlers in which they to build the foundation of the structure of minimum height 45cm and the largest surface area given was 20*25cm. In phase2, after they have made their structure in the given amount of time which is 7 min the jury was invited to remove some of the blocks to check the stability and hence forming various voids in the structure. Total 12 teams (92 students) participated in this event.



LA CASA DE PAPEL

One of the most electrifying technical event was 'La Casa De Papel' scheduled on day-2 (21-09-2024) of Nirmaan- 2k24 in which total 153 students have participated under 42 different teams. The innovative approached was incorporated in this technical event. The event was comprised of some questions based on Engineering Mechanics, Riddle which took team to their next level and some QR codes. The Event began from the Civil Seminar Hall where a puzzle was given path of final destination for answering the questions which was based on Basic Engineering Mechanics. The QR codes were placed so

strategically at different locations in the college campus. Finally, the event culminated with the announcement of first three winners, recognizing the clue to find the route to unlock the next level. The Google form link was created in-between the efforts given by the team by preparing a map of final destination by their intelligence.



LOGO LEAGUE

The event was based on various companies logo related to civil engineering. Participants have to identified logo and achieve the score to proceed for next round in which they have to refer given memes and prepare tech-funny comments regarding. Participants must have followed the rules. The winning criterion was decided on the basis of different rules like –Maintain technicality, Quality contents and finally Rapid fire round to crack the avenger based questioner. The winner was decided on the basis of judging criteria. No. of Participants: 12 groups



TUG OF TITANS

One of the Non-Technical events was there named 'TUG OF TITANS'. This event was conducted on 20th September, 2024 at SCET ground at 9:30AM. Prof. Dr. Kamlesh Dalal was the event faculty head. Under him Darshan Ghaskata & Krutaganasinh Kathiya were event student head. Also Nikhil Mojidra was co-coordinator for conducting the event in a disciplinary manner. 10 groups (8 students in each group) were participated in this Technical event from different branches of SCET & also from all years. The time duration was about 1:30Hr. The task was to pull the rope to a distance of 15 feet's while the other team pulls the rope in their direction. The team which pulls the center point of the

rope from center to their direction was termed as winners. The event was conducted in a manner of qualifying to reach the finals. The whole event was easy going without any hurdle. Head of department Dr. Mehali J. Mehta was being there to cheer all the participants. Sanskar Singh from Mechanical 4th year and his group was winner of the event. Rushi Dhameliya from Civil-4th year and his group was the runners up. The winner was appreciated by the price.



CIVIL'S LENS

The event was based on click the photograph of any city infrastructure development and sustainability *"LET'S SEE CITY FROM YOUR LENS"*. Participants have to submitted the photographs on the basis of the infrastructure and sustainable environment theme and showcase their photography skills and the viewers will get to see the other side of city from their lens. Participants must have followed the rules. The winning criterion was decided on the basis of different criteria like -Angle of Photograph, Colour Clarity and Quality and the theme. The winner was decided on the basis of judging criteria. No. of Participants: 71



BALANCE BATTLE

Balance Battle is the technical event; it's all about balancing the weight of construction material based on given specific gravity of the material. Participants have to calculate the volume to balance the weight. Total 27 teams (two members in each team) have registered in the event. Participants passed through brainstorming calculation and balance the weight of various construction materials like Sand, Clay, Steel, Cement, Aggregate and Brick.



AUCTION ARENA

140 students participated from various engineering branches and some participation was from other colleges. Auction of Around 100 cricket players (category: batsman, bowler, wicket keeper, all rounder) was done by participants on the basis of various base prices. Best winning team was awarded on the basis of the last 2 IPL season performances of auctioned players.



Valedictory function was held on 23rd September and our proud alumnus, Er. Aditya Patel, Town Planning Officer, TP Scheme- Unit 2, Surat was invited as a chief guest of the event. He motivated and encouraged our students by sharing his journey. Prizes were distributed to the winners and co-ordinators of various events.



Acknowledgement

We would like to thank SES management for providing the infrastructure and support for conducting the tech fest. We would like to express our gratitude to Dr. Hiren Patel, Principal, SCET for continuous motivation and support to organized such a technical festival called Sustainable NIRMAAN 2024 under the banner of Kshitij – Anant Gyan Ki Talash Mein. We heartily thank Dr. Mayank Dalal, Dean SAWC for providing funds to conduct the different events under Nirmaan-2024. We extend our heartfelt thanks and gratitude to Dr. Mehali Mehta, Head, Civil Engineering Department and all the worthy faculty members as well as non-teaching staff members of the department for making the NIRMAAN-2024 a grand success. Special thanks to the entire team of student tech-heads, student coordinators and volunteers for their efforts towards making NIRMAAN-2024 successful. We extend our sincere gratitude to our sponsors for providing supports. Finally, we thank all the participants without whom the event would not have been possible.



Thanks from Nirmaan-2k24 team

Faculty Conveners:

Dr. Minakshi Vaghani

Prof. Payal Zaveri

Tech Heads:

Jinnith Patel

Pal Desai