



SARVAJANIK EDUCATION SOCIETY  
**Sarvajanik 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](http://www.scet.ac.in) (Contact No.: 0261-2240146-148)



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Research and Development Cell  
ISTE-SCET Student Chapter  
Department of Civil Engineering  
organizes



# TECH-MIC

## EVENT: "TARK VITARK"

### TOPICS OF "TARK VITARK"

1. Translucent Concrete: Pros and Cons
2. Smart vs. Sustainable Planning
3. Plastic Use vs. Paper Use
4. Signals for traffic management: effective or ineffective
5. Modular Construction vs. Traditional Construction

### Faculty Coordinator

Dr. Mehali J. Mehta (HOD, Civil Dept.)

**22-08-2024**

**2:00 pm to 4:00 pm**

**Civil Seminar Hall**

### Student Coordinators

Dhruv Kevadia (1st Year)  
Pratham Soni (2nd Year)  
Ayush Mayani (3rd Year)  
Mahesh Rayka (4th Year)

@scetcivilengineering



## About the Event....

Department of Civil Engineering, Sarvajani College of Engineering and Technology, Surat had organized an event “TARK VITARK” on 22-08-2024.

The event “TARK VITARK” was organized by the Department in association with SCET R&D cell under the TECH- MIC. All four year civil engineering students had actively participated in the event.

### The objectives of the event were:

- To familiarize students with current trends in Civil Engineering.
- To provide a platform for students to put their views and have an interaction and debate on the said /given topics.
- To channelize students towards research activities like projects and idea pitching.
- To have academic interaction of all four year Civil Engineering students together.

### The topics for TARK VITARK were:

1. Translucent concrete: Pros and Cons
2. Smart vs. Sustainable planning
3. Plastic use vs. Paper use
4. Signals for traffic management: effective or ineffective
5. Modular Construction vs. Traditional Construction

### Some important points discussed by the students:

#### 1. Smart vs. Sustainable planning

- Sustainable planning frameworks use many indicators to measure environmental sustainability. Smart city frameworks lack environmental indicators and focus on social and economic aspects.
- Sustainable planning aims to improve quality of life, protect the environment, conserve resources, and grow the economy. Smart planning aims to improve sustainability through the use of technology.
- Sustainability planning focuses on proper design of doors and windows for good ventilation Instead of using AC or/and use of Rain water harvesting for water conservation but smart planning focuses on use of smart and sensitive panels for optimal use of energy and water. Hence even for sustainable planning smart planning is essential.

## 2. Plastic use vs. Paper

- Usage of Recycle paper are in trend.
- Usage of micro plastic has been increased now a days it harms our environment.
- Plastic can be used in making roads.
- Micro plastic generation harms the water table.
- Plastic harms the sea creatures.

## 3. Modular construction vs. Traditional construction

- Modular is precast construction.
- Quality and quantity affects in traditional.
- Cost effect in traditional construction.
- In Modular construction temperature does not effect.
- Weathering affects in traditional construction.
- Customization in traditional construction can be done.

### List of Winners:

First position	Patel Nidhi Yogeshbhai (B.Tech II)
	Jinnith Nareshbhai Patel (B.Tech IV)
Second position	Tulsi Jitendrabhai Patel (B.Tech II)
Third position	Chhatrola Nisarg Sanjaybhai (B.Tech IV)

**Total no. of students participated: 67 students**

No	Name Of Student	Year of B.Tech
1.	Ansh Vaghasia	B.Tech -I
2.	Kirtan Bodra	
3.	Chetan Kahar	
4.	Arya Patel	
5.	Jasmin Pipaliya	
6.	Patel Veer Pinkukumar	
7.	Shah Diya Hetalkumar	
8.	Bhatt Falak Krunal	
9.	Vasava Daynakumari Dilavarbhai	
10.	Henil Parmar	B.Tech -II
11.	Anghan Umang Nareshbhai	
12.	Atara Akruiti Narottambhai	
13.	Doshi Bhumi Miteshkumar	
14.	Gaurav Bharatbhai Devmurari	
15.	Harshvardhan Rathod	
16.	Krishn Nakrani	
17.	Mistry Nisarg Atulkumar	
18.	Nikhil Patel	
19.	Parth Vasava	

20.	Patel Manishaben Kishorbhai	
21.	Patel Nidhi Yogeshbhai	
22.	Patel Nirjar Manishkumar	
23.	Patel Preet Kirtikumar	
24.	Patel Rutvi Hasmukhbhai	
25.	Pratham Soni	
26.	Rahul Singh	
27.	Tulsi Jitendrabhai Patel	
28.	Wagh Jalpesh Manubhai	
29.	Yug Amit Patel	
30.	Yug Kakadia	
31.	Songirkar Kartik Prasad	
32.	Parmar Gaurangkumar Dalpatbhai	
33.	Bhandari Niraj Giridharbhai	
34.	Nikhil Dineshbhai Chotaliya	
35.	Bharkhada Pranay Bharatbhai	B.Tech III
36.	Joshi Shana Birjubhai	
37.	Akbhari Hill Atulbhai	
38.	Ayush Mayani	
39.	Hemin Shihora	
40.	Khushalee Mithaiwala	
41.	Kush B Joshi	
42.	Sangani Snehil Maheshbhai	
43.	Solanki Hardikbhai Kishanbhai	
44.	Soni Meet Ketankumar	
45.	Chauhan Divya Dharmendrakumar	B.Tech IV
46.	Chhatrola Nisarg Sanjaybhai	
47.	Pal Mitul Desai	
48.	Dhameliya Rushi Yogeshbhai	
49.	Dhimar Shreya Rakeshkumar	
50.	Aanchal Engineer	
51.	Jariwala Rajvi Udaykumar	
52.	Maniya Meet Sanjaybhai	
53.	Jinnith Nareshbhai Patel	
54.	Mahesh Rayka	
55.	Shah Sanjana Amitkumar	
56.	Akshat Shaileshbhai Vekariya	
57.	Bakaraniya Ayushkumar Ashvinkumar	
58.	Ganjawala Darshan Ajaykumar	
59.	Italiya Aniket Sureshbhai	
60.	Kathiya Krutaganasinh Udaysinh	
61.	Modi Aaryan Vipulkumar	
62.	Patel Vastav Pankaj	
63.	Patil Gunjan Pitamber	
64.	Prajapati Dip Ashokbhai	
65.	Ravatka Nitansh Bhupendrabhai	
66.	Mohite Jay Indrakant	
67.	Ghaskata Darshan Vinodbhai	



## Some Glimpses of the event...









