



# Sarvajanik College of Engineering And Technology



## ROBOFEST 2K24



Organized by

**SCET, SURAT**

**20<sup>th</sup>–21<sup>th</sup> September 2024**

**Dean- SAWC:** Dr. Mayank Dalal, ASH Dept.

**Faculty Coordinator:** Prof. Pritesh Saxena, Prof. Chintan Panchal, E&C Dept.

**Student Coordinator:** Sahil Goti, EC Dept, Akash Jaiswal, CO Dept

**Student Volunteers:**

Vansh Bhingradiya, EC Dept

Jaimin kalathiya, EC Dept

Dharm Kasodariya, EC Dept

Snehi Patel, CO Dept

Kanvi Ghohari, IT Dept

Hetvi Bhatt, CO Dept

Avish Kanodiya, Co Dept

Mudit Saboo, EC Dept

Pranil Shah, EC Dept

Sarthak Bosamiya, EC Dept

**Event Name: Death Race**

**Event Head:** Ansh Dobariya, Jeel Ramani, EC dept.

Death Race is always the prime competition of the robotics and also among the engineering students. The Death Race event was an action-packed robotic competition that challenged participants to design and build agile and robust robots. These robots had to navigate a challenging racecourse filled with obstacles, pitfalls, and unexpected challenges, all while racing against the clock. This year, the Death Race event continued to captivate engineering students with its thrilling challenges. Participants were tasked with designing and building agile and robust robots to navigate a demanding racecourse filled with a variety of obstacles, pitfalls, and unexpected challenges, all while racing against the clock.

The track, constructed on a wooden base elevated above the ground, featured exciting elements such as hydraulic bridges, oil pits, and a fire pit, which added an extra layer of difficulty. In addition to these challenges, new obstacles like a water slide and a seesaw were introduced, making the course even more dynamic and testing the ingenuity of the competitors.

The competition was divided into two rounds. On the second day, the qualified teams faced even greater challenges, including sloped hydraulic bridges and the newly added obstacles, pushing their skills to the limit. This year, 22 teams comprising 82 students from various departments of SCET participated, showcasing their engineering talent. Winners were determined based on the least time taken to complete the track with minimal penalties, emphasizing the importance of both speed and precision in robot design and operation. Teams with least time period for completing the track with minimum penalty were selected as winner.

**Winners:**

Position	Name of Student	Branch/College
<b>I Prize</b>	Dhvanil Patel Yash Patel Sahib Shaikh Kanaiya Patel	<b>SMSM HIGH SCHOOL, VALSAD</b>
<b>II Prize</b>	Falit Ankit Choksi Tej Patel Devansh Parekh Om Kumbhare	<b>EC, SCET</b>
<b>III Prize</b>	Jariwala Ayush Gurav Nainesh Kavani Arya Patel Parth	<b>EC, SCET</b>
<b>Runners up I</b>	Mohit Rathi Sachin Gurjar Vani Shekhadia Ruchi Singhi	<b>EC, SCET</b>







### **Event Name: Roboriot**

**Event Head:** Khush Barot, AIDS Dept, Prashit Patel, EC Dept.

Roboriot evolved into an exciting new format, featuring a tug-of-war competition in the first round and a thrilling robot fight in the second round. Participants showcased their skills in controlling robots while competing in these innovative challenges.

In the first round, teams engaged in tug-of-war, testing their robots' strength and strategy as they pulled against their opponents. The second round shifted gears to the robot fight, where teams faced off in a battle of tactics and engineering prowess.

This year, a total of 20 teams comprising 73 students from various departments of SCET participated, demonstrating their creativity and technical skills. The winners were determined by their performance in both rounds, with the strongest teams emerging based on their success in tug-of-war and the intensity of the robo fights, making for an exhilarating experience for everyone involved. Teams with maximum goal points and minimum penalty were selected as winner.

**Winners:**

<b>Prize</b>	<b>Name</b>	<b>Branch/College</b>
<b>I Prize</b>	Tej Patel Falit Ankit Choksi Devansh Parekh om kumbhare	<b>EC, SCET</b>
<b>II Prize</b>	Henil Prajapati Yash Patel Shahib Shaikh Rahul Shah	<b>EC, SCET</b>
<b>III Prize</b>	Parimal viradiya Dharmi zazadiya Nil lathiya Archi shekhada	<b>EC, SCET</b>
<b>Runners up I</b>	Yug Suthar Jainex Pumbhadiya	<b>CO, SCET</b>

  

# ROBOFEST 2K24

TORQUE VS TORQUE, THE ULTIMATE ROBOT CAR SHOWDOWN!

## ROBORIOT

20-21 SEPTEMBER

Round 1 : Tug of Bots  
Round 2 : Robo Clash

WIN ATTRACTIVE PRIZES



FACULTY CO-ORDINATOR  
PROF. PRITESH N. SAXENA  
PROF. CHINTAN H. PANCHAL

EVENT HEAD  
KHUSH BAROT - 95379 91017  
PRASHIT PATEL - 97277 04546

STUDENT CO-ORDINATOR  
SAHIL GOTI  
AKASH JAISWAL



VENUE : SCET DOME 9 AM ONWARDS





We would like to express our sincere thanks to all the participants from various departments for making this ROBOFEST 2K24 event a grand success. Special thanks to Mechanical Engineering Department for extending their invaluable help to make tracks, Electronics and Communication Department for providing space to work and Physics department for support during event.



Prof. Chintan Panchal  
Faculty Coordinator  
EC Dept, SCET