



**SARVAJANIK
UNIVERSITY**

INCLUSIVE | INTEGRATED | INNOVATIVE

creating an enlightened society...



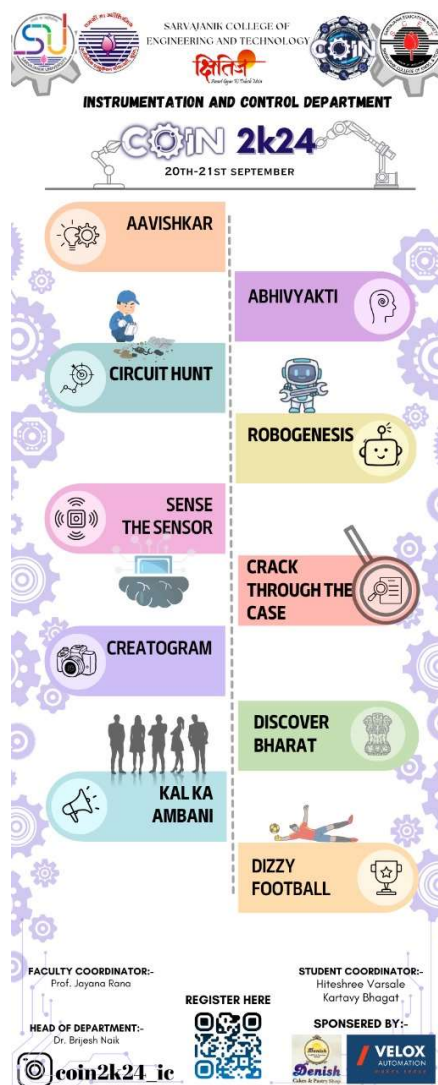
Sarvajanik Education Society

Sarvajanik College of Engineering & Technology

Shri Sitaram Somani

Faculty of Instrumentation & Control Engineering

COIN 2k24 REPORT



SARVAJANIK COLLEGE OF ENGINEERING AND TECHNOLOGY

INSTRUMENTATION AND CONTROL DEPARTMENT

COIN 2k24

20TH-21ST SEPTEMBER

AAVISHKAR	ABHIVYAKTI
CIRCUIT HUNT	ROBOGENESIS
SENSE THE SENSOR	CRACK THROUGH THE CASE
CREATOGRAM	DISCOVER BHARAT
KAL KA AMBANI	DIZZY FOOTBALL

FACULTY COORDINATOR:- Prof. Jayana Rana

STUDENT COORDINATOR:- Hiteshree Varsale, Kartavya Bhagat

HEAD OF DEPARTMENT:- Dr. Brijesh Nalik

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coin2k24_ic



Date of event: 20th & 21st September, 2024

Faculty coordinator: Prof. Jayana Rana

Student coordinator: Kartavya Bhagat & Hiteshree Varsale

Introduction:

Instrumentation & Control had organized Coin 2K24 under the banner of 'Kshitij – Anant Gyan Ki Talash Mein', National Level Technical Festival. This techfest is conducted for students to improve their technical knowledge and explore their innovative and creative skills. This year COIN consisted of various technical and non technical events and had a participation of over **757** students of different branches and different year.

There are various Technical and non technical Events such as

➤ **Technical Events:**

- Abhivyakti(Paper Presentaion)
- Aavishkar(Model Presentaion)
- Sense the Sensor
- Circuit Hunt
- Robogenesis

➤ **Non technical Events:**

- Createogram
- Kal ka Ambani
- Discover Bharat
- Crack through the case
- Dizzy Football

INAUGURATION FUNCTION OF COIN 2024



About the Events:

AAVISHKAR(Innovation & Hardware projects):

Aavishkar is an event aimed at fostering innovation among students by encouraging them to present creative, practical projects in the fields of Robotics & Automation and the Internet of Things (IoT).

Participants, either solo or in groups of up to four, have the opportunity to showcase their technical skills through a working model.

The event emphasizes innovation, hands-on experience, and real-world application of knowledge.

It helps students enhance their problem-solving abilities, teamwork, and project management skills, preparing them for future technical challenges and career opportunities in cutting-edge technology areas.



Student coordinators

Volunteers:

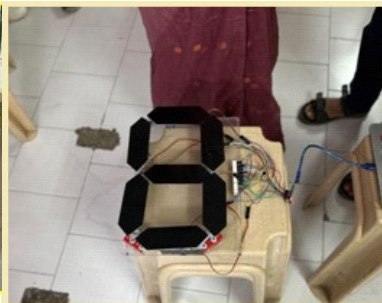
No. of Participants

Third Winner:

Second Winner:

First Winner:

Jash Shastri
Shivam Vyas
None
6 Team
Megh & Vraj
Nainesh gurav
Geet Pandey
Dhruvik Patel



ABHIVYAKTI (Presentation Event):

Abhivyakti is a solo event focused on empowering students to present their insights on topics like Instrumentation for Agriculture and Food Industries, Intelligent Control Systems, Biomedical Instrumentation, and Industry 4.0. Participants are required to deliver a concise presentation, honing their communication and technical skills.

This event enables students to deepen their understanding of cutting-edge technologies and applications while practicing their ability to clearly convey complex ideas. It also provides an excellent platform for showcasing research, fostering innovation, and gaining feedback from peers and experts in the field.



student coordinators:

Vishnu Bagrawala
Vishal Parmar
None
3
Shivam Vyas
Hiteshree Varsale
Geet Pandey

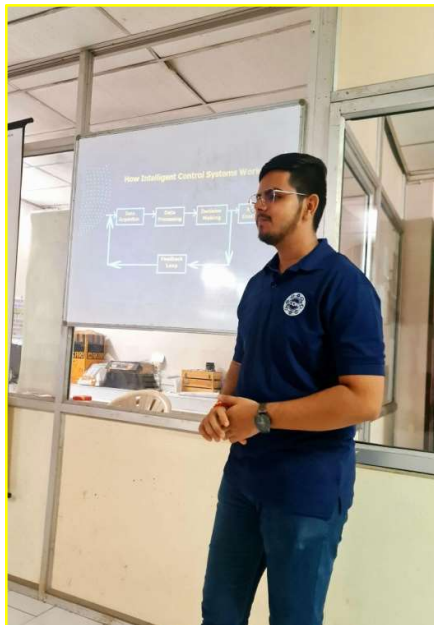
Volunteers:

No. of Participants

Third Winner:

Second Winner:

First Winner:



SENSE THE SENSOR (Knowledge About Sensor):

"Sense the Sensor" is a team-based event that challenges participants' knowledge of sensors and their practical applications. In the first round, teams compete in a quiz to showcase their expertise in sensor technology. The second round involves convincing a jury on how they would automate a property using sensors, testing their ability to apply theoretical knowledge in real-world scenarios.

This event helps students enhance their understanding of sensors, encourages creativity in automation solutions, and improves their presentation skills. It also provides valuable insights into modern sensor technologies and their industrial applications.



Student Coordinator

Jay Patel
Devin Patel
none
24 Teams
Team Rutu
Team Shiv
Team Chintan

Volunteers:

No. of Participants

Third Winner:

Second Winner:

First Winner:



ROBOGENESIS (Robotics Event)

Robogenesis, a dynamic event organized under the banner of COIN at Sarvajani College of Engineering and Technology, challenges participants to engage in various aspects of robotics. With rounds focusing on robotic knowledge, motor assembly, and Arduino-controlled programming, this competition enhances technical skills and fosters innovation.

Participants will gain hands-on experience with essential components like DPDT switches and motor drivers, encouraging practical learning and problem-solving. It's a great platform for students to apply theoretical knowledge, collaborate in teams, and develop real-world robotics expertise, helping them to sharpen their engineering and programming skills.

Student coordinators:

Volunteers:

No. of Participants

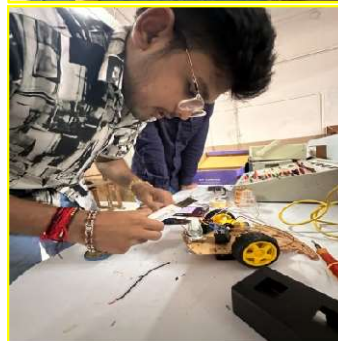
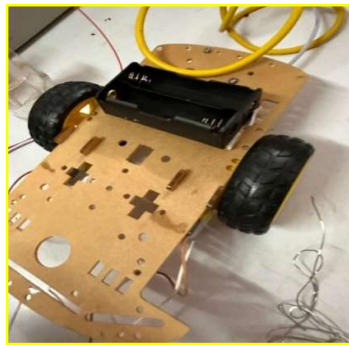
Third Winner:

Second Winner:

First Winner:



Vidhi Pathak
Chintan Baraiya
Priyanshu Surti
32 Teams
-
Shivam Vyas
Tanvi Nakarani
Jash Shastri
Rushab Solanki



CIRCUIT HUNT(Find parts & Connect circuit)

The "**Circuit Hunt**" is an interactive and intellectually stimulating event where participants, either solo or in pairs, follow clues around the campus to gather codes related to electronic components. The challenge involves decoding these clues, matching them to the correct components, and assembling a functional circuit based on a given schematic.

This event fosters critical thinking, teamwork, and practical application of electronics knowledge. Students gain hands-on experience in problem-solving, circuit design, and collaboration, which can greatly enhance their technical skills while making learning fun and engaging. The excitement of competition and the chance to win a prize adds an extra layer of motivation.



Student coordinators:

Shiv Patel
Shrey Solanki

Volunteers:

30 Team

No. of Participants:

-

Third Winner:

Shivam Vyas
Tanvi Nakarani
Geet Pandey
Kartavy Bhagat

Second Winner:

First Winner:



CREATOGRAM (Photography and Video Editing Competition)

Creative-minded individuals can participate in this event to showcase their skills in photography and video editing.

As the student coordinators of the Creatogram technical fest, We had the privilege of overseeing two exciting rounds that showcased the creativity and technical prowess of our participants.

The first round, focused on photography, brought forth captivating images that captured the essence of innovation and artistry. In the second round, centered around video editing, participants demonstrated their skills in crafting visually compelling narratives.

It was a remarkable experience witnessing the fusion of technology and creativity, and We are proud to have played a role in facilitating these exceptional competitions at Creatogram.

Student coordinators:

Volunteers:

No. of Participants:

Second Winner:

First Winner:



Drashti Joshi

Nikita Mechanic

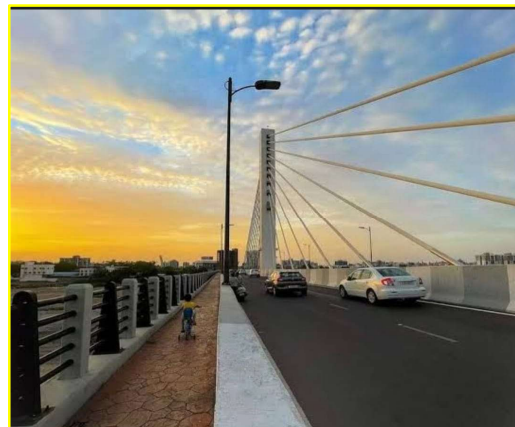
None

104

Nupur Athaviya

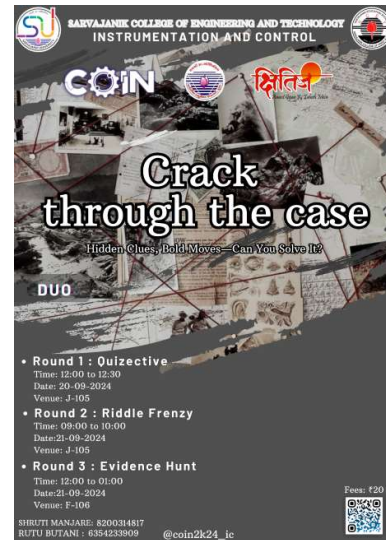
Sujal Parmar

Krish and Nisita



CRACK THROUGH THE CASE (Detective Challenge)

Crack through the Case is an engaging event that challenges participants' problem-solving and analytical skills through a series of rounds designed to stimulate critical thinking. From solving quizzes to cracking riddles and hunting for evidence, this event pushes students to think logically, connect hidden clues, and work effectively in teams. It encourages creativity and strategic thinking, helping students to sharpen their mental acuity, enhance teamwork, and improve their decision-making abilities under pressure. This competition is perfect for those looking to test their intellectual agility and investigative instincts in a fun and competitive environment.



Student coordinators:

Volunteers:

No. of Participants:

Third Winner:

Second Winner:

First Winner:

Shruti Manjare

Rutu Butani

Yash Parmar

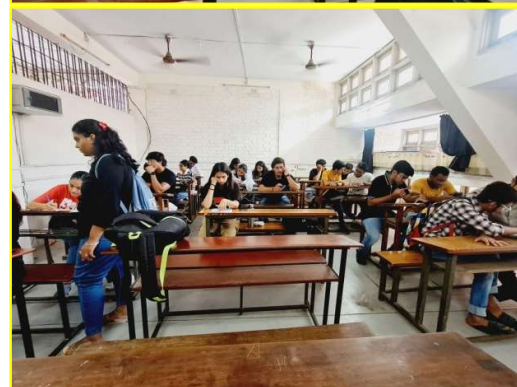
Sagar Naidu

75

-

-

Harshit & Shreyas



DISCOVER BHARAT (How well Do you know INDIA):

Discover Bharat is an exciting event that fosters a deeper understanding and appreciation of India's rich heritage and geography. Through two rounds—a quiz on general knowledge about the country and a map-marking challenge—participants will engage in learning about India's culture, history, and geography in an interactive way.

This event is a perfect platform for students to enhance their awareness of their homeland, boost their knowledge, and develop quick-thinking skills. It encourages a sense of national pride while honing both intellectual and practical abilities in a competitive setting.

Student coordinators:

Volunteers:

No. of Participants:

Third Winner:

Second Winner:

First Winner:



Geet Pandey

Dhruvik Patel

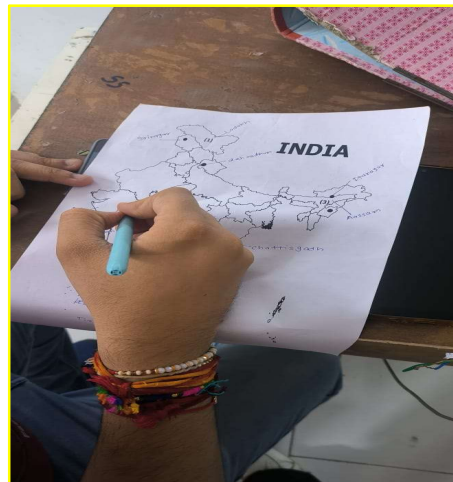
none

170

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Vishnu Bagrawara



DIZZY FOOTBALL (Football skills Event):

The "Dizzy Football" event is an engaging and fun-filled activity organized by the Instrumentation and Control department at Sarvajani College of Engineering and Technology (SCET). The challenge requires participants to spin around a football 15 times, run to another ball, and attempt to shoot it into a goalpost, testing both their physical agility and mental focus.

This event offers a great opportunity for students to break free from academic routines, promoting teamwork, coordination, and physical fitness in an enjoyable environment. The increasing difficulty with each round adds excitement and enhances participants' problem-solving and adaptability skills.



Student coordinators:

Aaryaman Mehra

Sahil Patel

Volunteers:

none

No. of Participants:

101

First Winner:

Nisarg Chhatrola



Participation Details:

<u>Event Name</u>	<u>No.of Participants</u>
Abhivyakti(Paper Presentaion)	3
Aavishkar(Model Presentaion)	13
Sense the Sensor	84
Circuit Hunt	60
Robogenesis	64
Createogram	104
Kal ka Ambani	83
Discover Bharat	170
Crack through the case	75
Dizzy Football	101

VALIDICTARY FUNCTION (Prize distribution) & PRESS PUBLICATION:



Media Coverage

Some Memorable Moments of COIN 2024





Acknowledgements:

We would like to thank SES and SCET management for providing the infrastructure and support for conducting the event. We heartily thank SAWC for providing the fund to conduct the event. Special thanks to entire team of student coordinators and volunteers for their efforts towards making COIN 2024 successful. Finally, we thank all the participants without whom the event could not have been conducted.



Prof. Jayana Rana
(Coordinator COIN 2k24)