

Sarvajanik College of Engineering and Technology
Computer Engineering Department
in association with R & D Cell
organized
TECH MIC (Topic: Quantum Computing)



Objectives of the Event:

- To extend students' knowledge in latest technical trends.
- To increase students' awareness specifically on Quantum Computing.
- To provide students exposure to various application areas of quantum computing.
- To encourage students to take part in such competitions organized at various levels.

Date & Day: 24th March 2025 (Monday)

Time: 2.00 pm to 4.30 pm

Venue: N J Seminar Hall, SCET

No. of Registered Participants: 50 Participants (students from different departments)

Student Coordinators:

Anika Mehta, B Tech III, CO
Satyam Tiwari, B Tech III, CO

Student Volunteers:

Himanshi Borad, B Tech III, CO
Pratham Desai, B Tech III, CO
Devanshi Trivedi, B Tech III, CO
Parva Shah, B Tech III, CO
Preet Jogani, B Tech III, CO
Ayush Kale, B Tech III, EC

Faculty Coordinators: Prof. (Dr.) Mayuri Mehta and Prof. (Dr.) Nirali Nanavati, Department of Computer Engineering

Summary of the Event:

Department of Computer Engineering in association with R&D Cell, SCET organized TECH-MIC on the topic "Quantum Computing: The Future of Technology" on 25th March 2025. This event was

aimed to give students exposure to recent developments using quantum computing in areas such as Cryptography and Cybersecurity, AIML, Optimization Problems, Climate Modeling and Environmental Science, Quantum Chemistry and Material Science, Space Exploration, Energy and Power Systems, Telecommunications, etc. Quantum computing holds immense significance for the future of technology, with potential to revolutionize various industries by solving complex problems that are currently intractable for classical computers. Today, they have been proven beneficial for almost every discipline of Engineering.

This event was comprised of two rounds as follows: (1) Fastest Finger First and (2) Researcher's Spotlight. For the first round, comprehensive material on quantum computing was provided to the participants to prepare for the quiz. In addition, during the first round, short videos on quantum computing were presented to the participants. Subsequently, a quiz of 30 questions based on the provided material and contents in video was conducted. Considering the quiz score of the students, following eight students were shortlisted for the second round.

1. Twisha Savani, B Tech II (IT)
2. Nishita Adhisheriya, B Tech II (CO)
3. Piyush Singh, B Tech II (EC)
4. Raivat Purohit, B Tech I (Mech)
5. Mohammad Bharmal, B Tech I (Mech)
6. Bhavya Tharakan, B Tech I (EL)
7. Singh Harsh, B Tech II (IT)
8. Harshil Patel, B Tech I (CO)

During the second round, each student was given 2 mins to speak on Quantum Computing. Second round was to evaluate students' preparation, public speaking skills, knowledge of quantum computing, and ability to communicate the knowledge effectively in stipulated time. Based on the combined result of the two rounds, following students were declared as the winners. This event gave students an opportunity to learn about the emerging topic quantum computing and future possibilities in it.

1st Prize: Bhavya Tharakan, B Tech I (EL)

2nd Prize: Raivat Purohit, B Tech I (Mech)

3rd Prize: Singh Harsh, B Tech II (IT)

We are sincerely grateful to our honorable principal Dr. Hiren Patel for permitting us to organize this event. We extend our gratitude to Dr. Utpal Pandya, Dean, R&D for inspiring us to organize this event and for his prompt support always. We thank Dr. Dipali Kasat, HOD, Department of Computer Engineering for her guidance and support. Our sincere gratitude to student coordinators and student volunteers for their untiring efforts in promoting this event, making necessary arrangements and making this event a gala success. Thanks to all staff members of computer department for their direct or indirect help in all the possible ways whenever required. Last but not the least, we are very much thankful to all the participants for their participation in the event.

