SRI DURGA MALLESWARA

SIDDHARTHA MAHILA KALASALA

An Autonomous College in the Jurisdiction of Krishna University

ISO Certified Institution

Sponsors: SIDDHARTHA ACADEMY OF GENERAL AND TECHNICAL EDUCATION

FIELD VISIT REPORT

Organized by

Department of Mathematics

Field Visit to the Quantum Reference Facility (QRF) and Quantum Research Centre (QRC), SRM-AP University, Amaravati

Date & Day: 7 September 2026, Monday

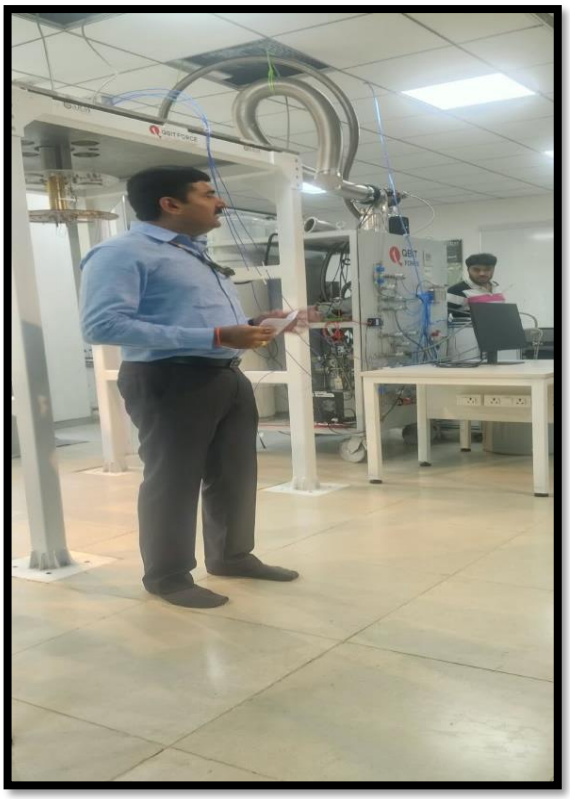
Participants: II & III B.Sc. Mathematics students

Venue: Quantum Reference Facility (QRF) and Quantum Research Centre (QRC), SRM-AP University, Amaravati

The Department of Mathematics organized an educational field visit to the Quantum Reference Facility (QRF) and Quantum Research Centre (QRC) at SRM-AP University, Amaravati, on 7 September 2026 for II and III B.Sc. Mathematics students. The visit aimed to provide students with practical exposure to quantum technology and help them understand the applications of mathematical concepts, particularly linear algebra, in quantum computing and related fields.







QUANTUM RESEARCH CENTRE





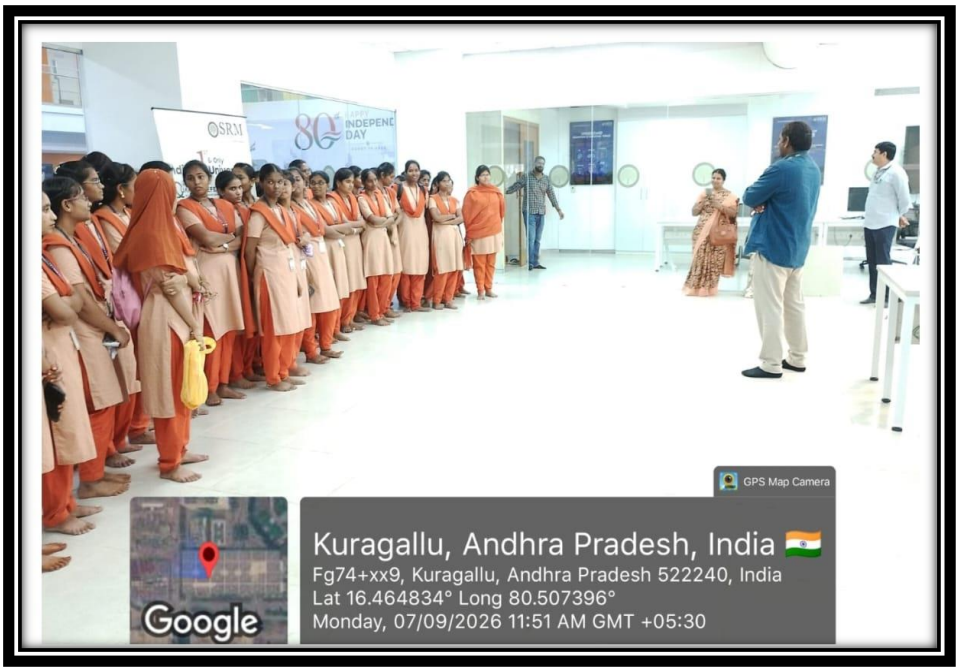


Morning Session (11:30 AM – 1:00 PM)

The morning session began with an expert interaction on quantum technology and its applications in mathematics.

1. Dr. S. Gangi Reddy, Associate Professor

Dr. S. Gangi Reddy explained the importance of quantum technology in mathematics and its growing applications in modern scientific research. He introduced the students to the quantum machine and the facilities available at the Quantum Research Centre. His talk helped students understand the connection between mathematical principles and the practical implementation of quantum technologies.













2. Dr. Varsha S. Sambhaje, Assistant Professor

Dr. Varsha S. Sambhaje delivered an informative session on the relationship between quantum computing and linear algebra. She explained the importance of mathematical concepts such as eigenvalues, eigenvectors, and basis vectors in understanding quantum systems. The session helped students relate the theoretical concepts they learn in their mathematics curriculum to their applications in quantum computing.









Afternoon Session (1:30 PM – 3:00 PM)

3.Expert Talk by Dr. G. Damodar Reddy, Assistant Professor

Dr. G. Damodar Reddy delivered an engaging expert talk outlining important topics in quantum technology. The session covered different types of quantum technologies, quantum algorithms, quantum security, and optimization. He highlighted the significance of these topics in emerging computational methods and their potential applications in science, technology, and problem-solving.

The session provided students with an overview of the rapidly developing field of quantum computing and encouraged them to explore interdisciplinary opportunities connecting mathematics, computing, and technology.



Question-and-Answer Session and Certificate Distribution (3:00 PM – 3:30 PM)

The visit concluded with an interactive question-and-answer session in which students had the opportunity to clarify their doubts and interact with the experts. The students showed keen interest in understanding quantum technology and its mathematical foundations.



Certificates were distributed to the participating students in recognition of their participation in the educational field visit.





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