



Seminar on Quantum Computing

Date: 05-02-2026

Venue: Webinar Hall

Organizer: Department of Computer Science

Time: 03:00 PM To 04:30 PM

Participants: 200

Invitation

SRI DURGA MALLESWARA
SIDDHARTHA MAHILA KALASALA
An Autonomous College in the Jurisdiction of Krishna University
A College with Potential for Excellence
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INSTITUTION'S INNOVATION COUNCIL
AICTE
MHRD'S INNOVATION CELL (GOVT. OF INDIA)

An IQAC Initiative
DEPARTMENT OF COMPUTER SCIENCE
One Day Seminar
On
Quantum Algorithms and the Future of Computation
By
Chief Guest
Mr. Rushikesh Ubale, Research Software Engineer
At Qkrishi.
On
5th February, 2026
Venue: Webinar Hall
From: 03:00 PM To 04:30 PM

M. Praveena, Head
Department of Computer Science

Dr. V. V. Subrahmanya Kumar
Principal

Introduction

The Department of Computer Science organized a **Seminar on importance of Quantum Computing**, on **05th February 2026**. Enthusiastic **students and faculty members participated**. The aim of the program was to educate participants about quantum computing, its fundamental principles, and its growing significance in the modern technological landscape and discussed how quantum computing has the potential to revolutionize fields like cryptography, artificial intelligence, healthcare, and data science.

Description and Objective of the Program

- Create awareness among students about the fundamentals and significance of Quantum Computing.
- Educate them on the basic principles such as qubits, superposition, and entanglement.
- Emphasize the growing importance of quantum technologies in the modern digital era.
- Highlight real-world applications of quantum computing in fields like cryptography, artificial intelligence, healthcare, and finance.
- The program introduced the concept of quantum computing and its potential to solve complex problems beyond the capabilities of classical computers.
- Participants were educated about how quantum algorithms differ from classical algorithms.
- Emerging research trends and advancements in quantum technology were discussed.
- The importance of quantum computing in enhancing cybersecurity and data encryption was highlighted.
- Insights were shared on career opportunities and future scope in the field of quantum computing.
- Challenges and limitations in the development of practical quantum computers were explained.
- Real-world case studies and examples from leading tech companies working on quantum research were discussed.
- An interactive Q&A session addressed participants' queries and encouraged deeper understanding of the topic.



Outcome of the Program

The seminar on **Quantum Computing** proved to be highly effective in enhancing participants' understanding of this emerging and transformative technology. It increased awareness among students and faculty about the fundamental principles of quantum computing, including qubits, superposition, and entanglement, and how they differ from classical computing concepts.

The session helped participants recognize the vast potential of quantum computing in solving complex problems across various domains such as cryptography, artificial intelligence, healthcare, and finance. It also provided insights into current advancements, challenges, and future opportunities in the field.

Overall, the program inspired curiosity and motivated participants to explore research and career prospects in quantum technologies, thereby strengthening academic interest in this rapidly evolving area of computer science.



Conclusion

The seminar on Quantum Computing concluded on a highly positive note, leaving participants better informed about this emerging and transformative technology. The session equipped students and faculty with foundational knowledge, practical insights, and an understanding of its future potential. It also emphasized the role of innovation and research in advancing quantum technologies. The department looks forward to organizing more such informative programs to foster interest and academic growth in advanced computing fields in today's technological landscape.

Feedback Summary

The seminar on Quantum Computing received highly positive feedback from the participants. Students and faculty appreciated the clarity and relevance of the concepts explained, especially the discussion on real-world applications and future scope. Many found the session insightful, as it introduced them to advanced computing concepts that are shaping the future of technology. The speaker's clearly explained the complex topics like qubits and superposition. Participants expressed interest in attending more sessions on emerging technologies and advanced research areas. Overall, the program was considered informative, well-organized, and inspiring.