



AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

SUMMARY REPORT

Event Title:

Hands-on Workshop on Exploring Quantum Computing with Real-Time Practice

Occasion:

Quantum Day Celebration 2025

Organized under the National Quantum Mission of DST in collaboration with AICTE.

Date & Time:

19th April 2025, 10:00 AM

Venue:

TBSC 06, AVIT

Aarupadai Veedu Institute of Technology, Chennai Campus

Vinayaka Mission's Research Foundation

Resource Person:

Mr. Rajesh Thulasi

Test Automation – AIML Architect

Ericsson, Chennai

Organised By:

Department of Computer Science and Engineering, AVIT

Overview:

The Department of Computer Science and Engineering at **Aarupadai Veedu Institute of Technology (AVIT), Chennai Campus**, under **Vinayaka Mission's Research Foundation**, organized a highly informative hands-on workshop titled **"Exploring Quantum Computing with Real-Time Practice"** on **19th April 2025 at 10:00 AM**. This event was conducted in celebration of **Quantum Day 2025** as part of the **National Quantum Mission of the Department of Science and Technology (DST)**, in collaboration with **AICTE**. The seminar

was aimed at building foundational awareness among students and faculty about the emerging and transformative fields of **quantum computing**.

The Hands-On Workshop on Exploring Quantum Computing with Real-Time Practice was delivered by **Mr. Rajesh Thulasi, Test Automation – AIML Architect at Ericsson, Chennai**, who served as the esteemed resource person for the event. With a focus on accessibility for beginners, Mr. Rajesh presented a comprehensive overview of the key principles and potential of quantum technologies.

The workshop commenced with an introduction to the fundamental differences between classical and quantum computing. While classical computers use bits as the smallest unit of information (0 or 1), quantum computing uses qubits, which can exist in superposition, representing both 0 and 1 simultaneously. This unique property, along with entanglement and quantum interference, enables quantum computers to perform complex computations significantly faster than traditional systems.

Participants were also introduced to ongoing research initiatives, international collaborations, and the growing career opportunities in the domain of quantum technologies. Special attention was given to India's strategic initiatives like the National Quantum Mission, aligning well with the workshop's objective to foster interest and awareness in this cutting-edge field.

The event saw enthusiastic participation from students, researchers, and faculty members, who appreciated the clarity and interactive delivery of the session. The workshop concluded with a dynamic Q&A session, where attendees explored technical, theoretical, and career-related aspects of quantum technologies.

Organized by the Department of Computer Science and Engineering, the workshop marked a successful step toward nurturing academic curiosity and laying a strong foundation for future research and educational endeavors in quantum technologies within the institution.



AVIT
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(Deemed to be University under section 3 of the UGC Act 1956)



Photos:

**AVIT**
AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY
Vinayaka Mission's Chennai Campus





Cordially invites you all to the
Hands-on Workshop on
"Exploring Quantum Computing with Real-Time Practice"
for Quantum Day Celebration 2025 under the
National Quantum Mission of DST in collaboration with AICTE



Resource Person

Mr. Rajesh Thulasi
Test Automation &
AIML Architect
Ericsson India Pvt Ltd



Organised by
Department of Computer Science and Engineering

 **19th April 2025** |  **10:00 am** |  **TBSC 06**

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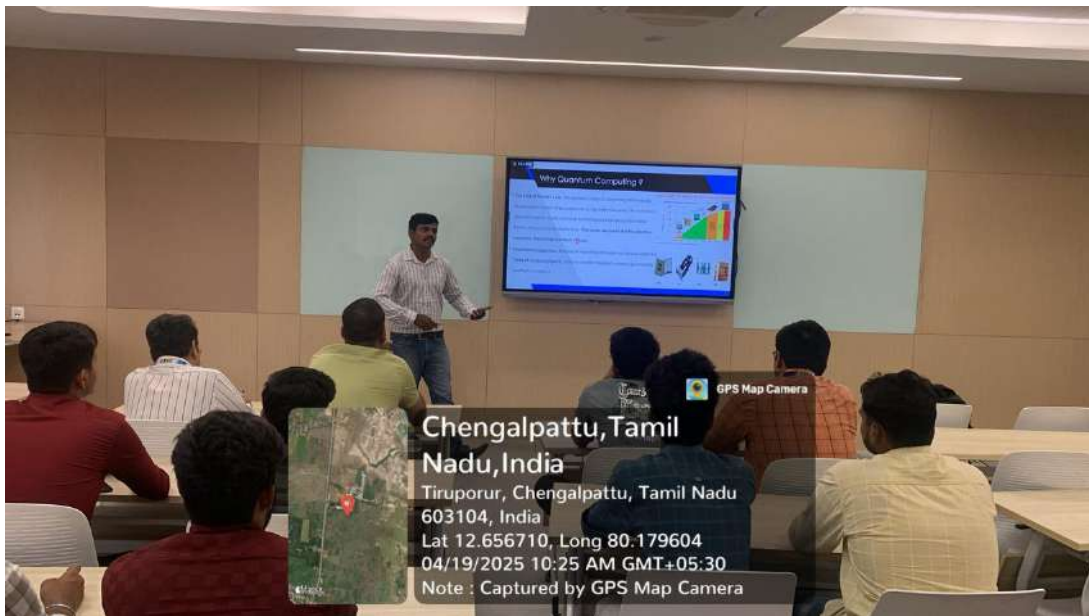




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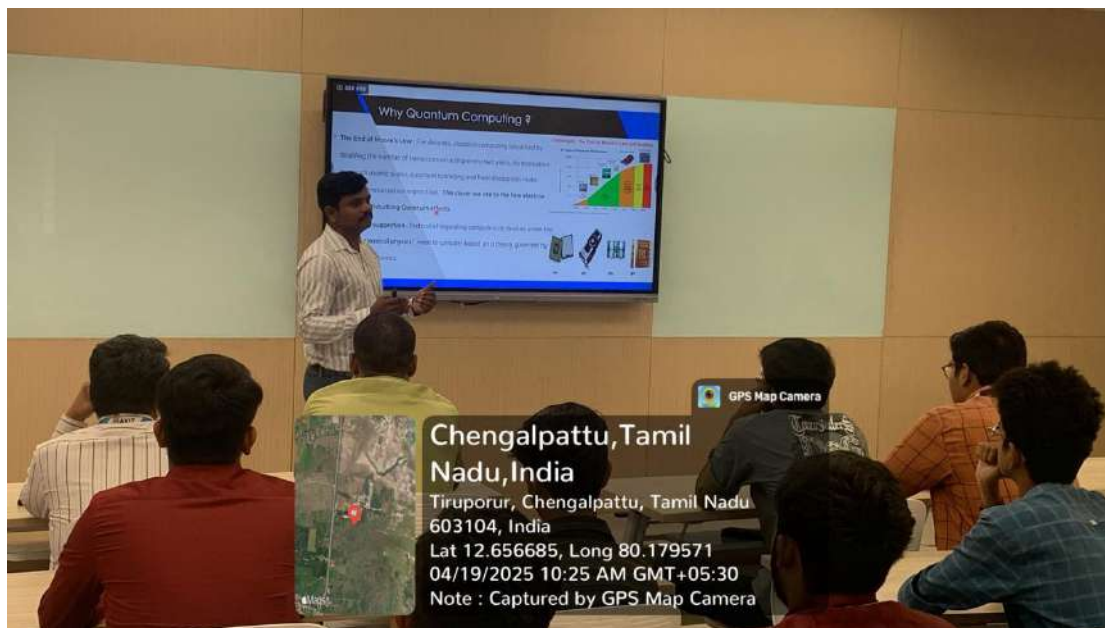




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