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

A Workshop on Generative AI, Quantum Computing & Google AI Data Hub

Programme Title: Generative AI, Quantum Computing & Google AI Data Hub
Date: 08.12.2025

Venue:305 Lab & 313 Lab

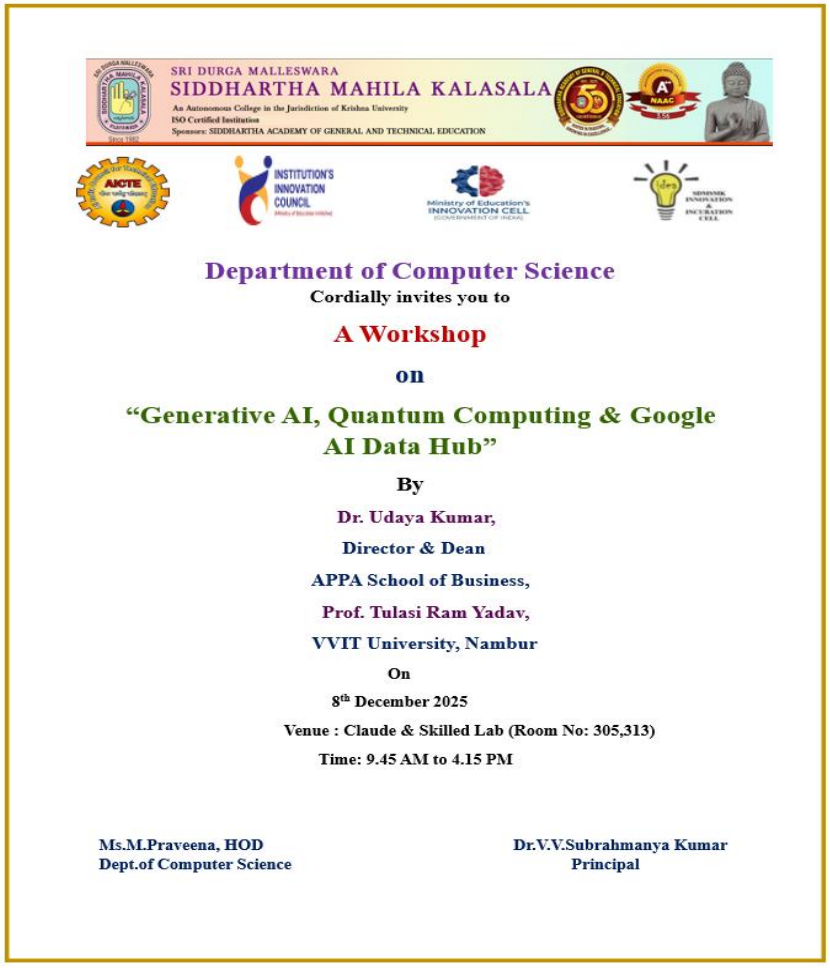
Timings: 9.45a.m to 4.15 p.m

No. of Participants: 176

Participants: III B.Sc. Data Science, III B.Sc. Computer Science A & B,
III B. Com (CA- A & B)
Nature of the Program: Workshop

Resource Persons: Dr. Udaya Kumar,
Dean-APPA School of Business,
Prof. Tulasi Ram Yadav,
VVIT University, Nambur

Invitation: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Department of Computer Science

Cordially invites you to

A Workshop

on

"Generative AI, Quantum Computing & Google AI Data Hub"

By

Dr. Udaya Kumar,
Director & Dean
APPA School of Business,
Prof. Tulasi Ram Yadav,
VVIT University, Nambur

On

8th December 2025

Venue : Claude & Skilled Lab (Room No: 305,313)

Time: 9.45 AM to 4.15 PM

Ms.M.Praveena, HOD
Dept.of Computer Science

Dr.V.V.Subrahmanya Kumar
Principal

Introduction:

In the technology era to meet industry expectations, the student community must fulfil certain prerequisites. Beyond academic skills, they should also acquire job-readiness competencies. To create awareness and empower students, the Department of Computer Science organized a workshop on **Generative AI, Quantum Computing & Google AI Data Hub** *on 08.12.2025*.

Objectives of the workshop:

- To introduce emerging technologies such as Generative AI, Quantum Computing, and cloud-based AI platforms to third-year undergraduate students
- To enhance students' understanding of industry-relevant AI tools and platforms used in real-world applications
- To create awareness on the role of advanced computing technologies in academic projects, research, and career development
- To encourage innovative and analytical thinking through exposure to modern AI-driven problem-solving approaches

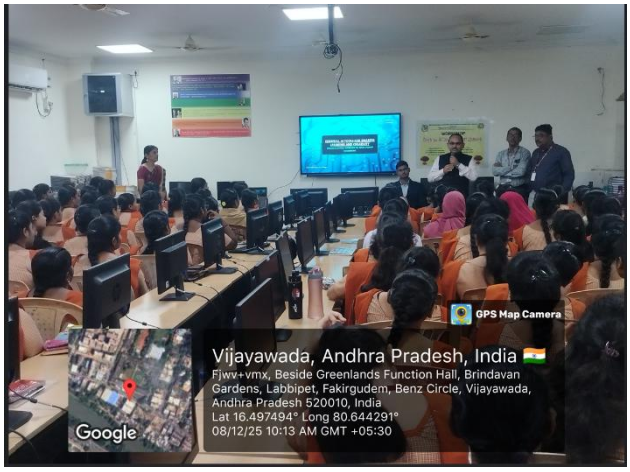
Description of the Programme:

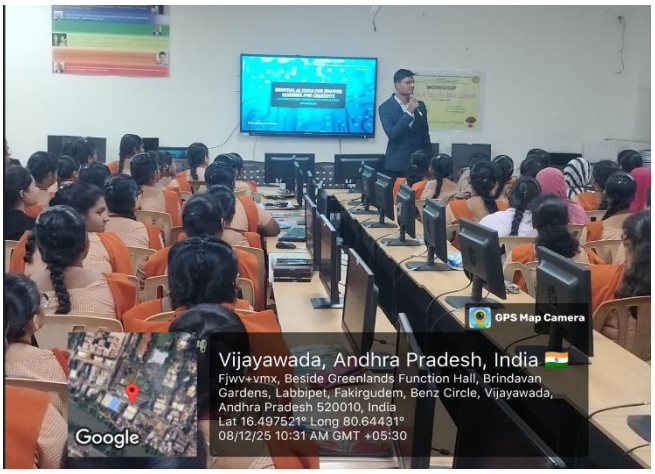
The workshop commenced with an introductory session on Generative AI, where students were introduced to the fundamentals of Artificial Intelligence, large language models, and generative techniques used for text, image, and content creation. The session emphasized the role of Generative AI in smart learning, including applications such as content summarization, academic writing assistance, project idea generation, and creative problem solving. Live demonstrations enabled students to understand prompt-based interactions and the effective use of AI tools in learning and innovation.

The subsequent session focused on Quantum Computing, during which key concepts such as qubits, superposition, and entanglement were explained in a simplified manner. The session highlighted the potential impact of quantum computing on Artificial Intelligence, optimization techniques, and future computational research, creating awareness of emerging technological advancements.

A dedicated session on Google AI Data Hub and Vertex AI introduced students to modern cloud-based AI infrastructure. Students learned about end-to-end machine learning workflows, including data preparation, model training, deployment, and monitoring. The session demonstrated how AI data hubs support scalable data management, collaboration, and secure AI development, which are widely adopted in industry and research environments.

Photos:





Third-year students actively participating in the Generative AI, Quantum Computing & Google AI Data Hub *Workshop conducted by the Department of Computer Science on 08.12.2025*

Outcomes of the workshop:

- Students gained foundational knowledge of Generative AI, Quantum Computing, and Google AI Data Hub technologies
- Participants developed an understanding of how Generative AI tools can support learning, content creation, and project development
- Students became aware of the potential impact of Quantum Computing on artificial intelligence, optimization, and future research
- Participants were introduced to cloud-based AI workflows using Google Vertex AI, enhancing their awareness on industry-standard AI infrastructure
- The workshop motivated students to explore emerging technology domains for higher studies, research, and career opportunities
- A total of 176 students benefitted from the program by successfully completing the Vertex AI using Prompt AI studio module.

Conclusion:

The workshop on "Generative AI, Quantum Computing & Google AI Data Hub" successfully exposed students to cutting-edge computing technologies and industry-aligned AI platforms. Through expert-led sessions and practical demonstrations, the program bridged theoretical knowledge with real-world applications. The workshop strengthened students' technical awareness, encouraged innovation, and prepared them to adapt to rapidly evolving technological landscapes, thereby contributing to their academic and professional readiness.