



SRI DURGA MALLESWARA

**SIDDHARTHA MAHILA KALASALA**

An Autonomous College in the Jurisdiction of Krishna University

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## ***Seminar Report on Awareness Programme on Quantum Computing***

**Organized by:** Department of Physics & Statistics of SDMSMK in collaboration with Science City of Andhra Pradesh

**Date:** 07 July 2025

**Participants** : Around 150 students of Physics, Statistics & Computer.

**Venue:** Sri Durga Malleswara Siddhartha Mahila Kalasala, Vijayawada

### **Description of the Programme :**

An awareness seminar on Quantum Computing was held at Sri Durga Malleswara Siddhartha Mahila Kalasala in collaboration with the Science City of Andhra Pradesh. The session was aimed at introducing students to the rapidly evolving world of quantum technologies and their future impact on industries. Students from Physics, Computer Science, and Statistics departments actively participated in the session.

The Guest of Honour, Mr. Tadikonda Venkat, a policy expert in emerging technologies, delivered an engaging talk on the potential of quantum computing. He explained how principles like superposition and quantum entanglement form the foundation. He also related quantum entanglement to the spiritual bond between Krishna and Draupadi, illustrating the instantaneous connection between particles across distances. Mr. Venkat highlighted the Quantum Valley project in Amaravati, initiated by Chief Minister Shri N. Chandrababu Naidu, stating that it will play a key role in placing AP on the global map of technological innovation, while creating wide-ranging career opportunities for youth in quantum science.

The Chief Guest, Shri Venkateswarulu Kesineni, CEO of Science city Andhra Pradesh, emphasized the importance of preparing the younger generation for the coming wave of technological advancements. He encouraged students to take advantage of such opportunities to broaden their horizons and contribute to India's scientific development. He mentioned that QUANTUM VALLEY is going to be a new revolution in Science civilisation.

An interactive session was held at the end, where students got the opportunity to clear their doubts and engage with the speaker.

The seminar concluded with a vote of thanks and a renewed sense of enthusiasm among the student community. The seminar proved to be a valuable learning experience. It helped students understand emerging concepts in quantum science and inspired them to explore new career paths in this futuristic domain.

