SREENIVASA INSTITUTE OF TECHNOLOGY AND MANAGEMENT STUDIES
(Autonomous)-Chittoor.
(Approved by AICTE, New Delhi and Affiliated to JNTUA, Ananthapuramu)

REPORT ON

FIVE-DAY FDP ON "QUANTUM COMPUTING AND AI SUSTAINABILITY"

BY DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ACADEMIC YEAR: 2025-26 **DATE:30/06/2025**

A five-day Faculty Development Program (FDP) on "Quantum Computing and AI Sustainability" was conducted from 23rd June 2025 to 28th June 2025 at MITS College, Madanapalle. The program was organized by JNTUA, aiming to update faculty members with the latest advancements in emerging technologies.

The objective of the FDP was to enhance the understanding of quantum computing concepts and their role in building sustainable AI solutions. The sessions covered foundational principles, quantum algorithms, system modeling, and the integration of quantum techniques with modern AI frameworks.

During the program, each topic was explained in a structured manner, accompanied by supporting materials and practical insights. Participants were also provided with reference websites and real-time demonstration platforms to explore how quantum computing works in practical environments. The hands-on exposure helped bridge theoretical knowledge with real-world applications.

The FDP offered valuable learning resources, interactive discussions, and expert insights, enabling faculty to strengthen their technical understanding. Participants successfully completed the program and received certificates for their involvement.

The following faculty members from the Department of Computer Science and Engineering, SITAMS, Chittoor, attended the FDP:

- V. Shaik Mohammad Shahil, Assistant Professor
- N. Vijaya Kumar, Assistant Professor
- V. P. Manikandan, Assistant Professor
- P. Praveen, Assistant Professor

The participants gained enhanced knowledge on quantum technologies, improved research perspective, and awareness of sustainable AI practices, enriching their academic and professional development.

INCHARGE **HOD-CSE** **PRINCIPAL**