

Vellore Institute of Technology

Cordially invites you all for a

“One Day Hands-on Workshop on

Next-Gen Intelligence: Practical IoT–AI–Quantum Integration with Digi Toad”



Ayush Chandra

Application Engineer



Govardhini N

IoT Developer



Mrinalini Barik

Senior Application Engineer



Registration QR Code/Link:

<https://tinyurl.com/bdea2ps2>

Event Details: Date: 4th December 2025 10.00AM TO 5PM, Venue: TT729

ABSTRACT: DigiToad Technologies Pvt. Ltd. is a leading provider of Embedded Systems, Wireless Technologies, Industrial IoT, and AI-driven automation. With strong global partnerships, the company supports industry and academia in adopting advanced, Industry 5.0-aligned solutions. This session, themed **“Convergence of IoT, AI, and Quantum Technologies for Industry 5.0,”** explores how intelligent IoT systems, edge AI, quantum-inspired computing, and secure communication are shaping next-generation industrial ecosystems. Participants will gain practical insights into integrating sensing, analytics, connectivity, and automation for resilient cyber-physical systems.

SPEAKERS: The session will be delivered by three Application Engineers from DigiToad Technologies. **Govardhini N**, IoT Developer, specializes in secure Industrial IoT solutions and hardware-to-cloud integration. **Mrinalini Barik**, Senior Application Engineer, focuses on Embedded AI and Wireless Communication, working with AI-driven embedded platforms in collaboration with STMicroelectronics. **Ayush Chandra**, Application Engineer, brings expertise in wireless system design, FPGA development, DSP, and data acquisition, with proficiency in tools such as MATLAB, LabVIEW, Multisim, Xilinx Vivado, and GNU Radio. Together, they provide a comprehensive perspective on intelligent IoT systems, AI-enabled edge processing, and the growing role of quantum technologies in Industry 5.0.

Time	Program Schedule
10:30 am – 11:30 am	Introduction & Foundations of IoT–AI–Quantum Integration
11:30 am – 11:45 am	Tea Break
11:45 am – 01:00 pm	Next-Gen Intelligence with Digi Toad: Concepts & Architecture
01:00 pm – 02:00 pm	Lunch
02:00 pm – 05:00 pm	Practical Session: IoT–AI Pipelines and Quantum-Enhanced Workflows

Faculty Coordinators:

Dr. Aparna Mohanty

Dr. Deepika Rani Sona