Module Information:

Module Title: Mitsubishi SCADA MC Works64

- Relevant Track : **Interdisciplinary & Computational Sciences:**
  HPC systems, data acquisition platforms, simulation & modelling software, bioinformatics tools.
- Instruments Covered : Mitsubishi PLC, HMI, SENSORS, SERVO, AC DRIVE and SCADA.
- Target Participants : Operators/Technician
- Mode : Offline/Hybrid
- Faculty/Technical Experts : Dr. Alok Vardhan / Mr. Mahendra Dutt Dwivedi (Attach Resume in separate folder)
- Facility and Equipments Photographs : To be attached in separate folder
- Previous Corporate Trainings Conducted : Data to be attached in separate folder

Expert Level : SCADA MC Works64

Pre-requisites	Participants are expected to know the number systems (Binary, Hex, BCD, basics of PLC, HMI, SENSORS, SERVO, AC DRIVE and basics of Electrical & Electronics
Duration	Three Days (24 Hrs)
No. of Participants	10 per Batch
Module Details	This three-day advanced MC Works64 training delivers hands-on expertise in SCADA design, communication, visualization, and system management. **Day 1:** System architecture, installation, requirements, MX OPC Server setup, OPC UA/Classic communication, tag creation, project setup, layout tools, and 2D graphics in GraphWorX64. **Day 2:** Advanced HMI development with 3D visualization, animations, pipe/graph controls, security features, and Global/Local/Language aliasing. **Day 3:** AlarmWorX64 for alarm configuration, logging, grouping, and reporting; TrendWorX64 for real-time/historical trends; and SCADA redundancy concepts including client/server redundancy and automatic/manual switching. **Theory–Practical Ratio:** 30:70.
Expected Learning Outcome	After completing this training, participants will be able to ● Design, configure, and manage advanced MC Works64 SCADA systems; develop professional HMI screens.

	• Configure OPC communication; manage tags, alarms, logs, and trends. • Implement system redundancy with automatic/manual failover for high-availability industrial applications..