Production OEE Monitoring by SCADA

Entity Overview

	Company name	Location
Representative (Training provider)	EEC Automation Park, Burapha University	Chonburi, Thailand

Business overview

A center for talent development and technology transfer in industrial automation, driving Industry 4.0 with a focus on sustainability.

Partner organization	Mitsubishi Electric Factory Automation (Thailand) Co., Ltd.

Training Overview

Training site	EEC Automation Park, Burapha University and Host company for OJT
Project period	28th April 2026 - 31st January 2027
Training period	9 days (54 hours) in total
Participation fee	36,725 THB/person (1/2 will be subsidized)
Language	Thai
Target trainees	1. Engineers, production managers, and factory personnel involved in process improvement 2. Companies in the manufacturing sector aiming to enhance OEE and digitalize operations 3. Factories seeking OEE solutions and self-development in industrial automation

Training attributes

Training Field: GX, DX

Course Type: OJT

Basic Knowledge: Not Required

Applicable Industry: Manufacturing Industry

Highlight of Training Benefit: **GX**: Carbon Emission Visualization; **DX:** OEE Visualization

Contents of Training

Module 1:Basic PLC	Day 1: Smart Manufacturing Kaizen Level (SMKL) & Basic PLC
	Day 2: SCADA Introduction and Genesis64 Software
Module 2: Basic SCADA	Day 3: SCADA Logging Function
	Day 4: Understanding OEE concept
Module 3: OEE Fundamental and Industrial Measure	Day 5: (OJT1 at Factory, 1 Factory/day) System Installation and Testing Data
	Day 6: System Architecture Introduction
Module 4: SCADA for OEE	Day 7: Check Measuring Point and get Data, SCADA Visualization
	Day 8: (OJT2 at Factory, 1 Factory/day) Real Case Workshop for SCADA OEE Visualization
	Day 9: Project Summary and Presentation

Expected Training Benefits

1. **Enhanced Operational Efficiency**
   ☑ Real-time machine monitoring reduces downtime, increasing production efficiency.
2. **Energy and Cost Savings**
   ☑ Eliminating energy waste cuts energy consumption and lowers costs, reducing the carbon footprint.
3. **Improved Data-Driven Decision-Making**
   ☑ Tools like Arduino, Raspberry Pi, Node-RED, and MySQL enable precise data collection for informed decisions.
4. **Scalable Digital Transformation**
   ☑ Hands-on training helps develop low-cost SCADA platforms that scale with future needs.
5. **Empowered Workforce**
   ☑ Trainees gain practical skills, driving innovation and continuous improvement.

How to Apply for Training

Apply at https://automationpark.or.th/en/news-and-activity/91/
More information please contact email automationpark@eng.buu.ac.th