

FA Product Customised Training Courses : FY 2026-27

List of Customised Training Courses: FY 2026-27		
Sr. No	Training Module	Brief Courses
Product Trainings		
1	Redundant CPU	Q12PRH / Q25PRH Redundancy CPUs, Programming & Parameter Setting for redundancy. Memory copy function, CPU replacement.
2	Modular IO	Introduction to Modular I/O's , Understanding of head module ,Various connectable modules eg.I/O ,Analog I/O ,Modbus TCP,CC Link IE Field Basic, EnetIP Protocol communication
3	Q PLC	Includes QnUDV PLC hardware. Basic & advance programming using GX Works2. Timer, Counter, Applied instructions. Analog interface.
4	HMI:GOT 2000	Includes GOT 2000 Series HMI hardware, Screen Designing using GT Designer3. Alarms, Graphs, Comments, Recipe. Ladder monitoring & editing. Program diagnosis & backup using GOT. GOT mobile function, VNC Server.
5	Basic FA Network CC-Link	Basics of CC-Link Network, different types of devices in network, Network addressing, & connections. Master to remote & CPU to CPU interface. Network troubleshooting & CC-Link module hardware test.
6	SCADA V10 Advance	SCADA V10 Database Connectivity UA,Modbus Interface, SMS Email Notification, Diagnostic Tool, Analytics Bi, Bridgeworks
7	GOC 43	Includes GOC Series Hardware, PLC Programming , HMI Screen Design, Various objects , Data Logging , History trends, recipe , Alam & 3rd party Connectivity & MQTT Communication, Security, Data transmission and reception
8	Cobot	Introduction to Industrial Robot Safety, Introduction to MELFA ASSISTA Robot (RV-5AS-D),Features & Specifications, Safety Extension unit details & Wiring, RT Visual Box Software, Basic Operation using Software ,JOG & Inching Operation, Joint Operation, Hand Alignment
9	Advance Servo Q Motion	SSCNET based servo system MRJ4. Motion CPU: Q17nD/DS, 172M/MS, SFC programming, VF/VR instructions. Motion control with virtual mode. Mechanical editor: Servo motor virtual axis
10	FX5 Safety	Introduction to FX5 Safety ,FX5 Safety main module & Extension module ,Different types of connectable I/O's eg. Emergency switch, Light Curtains etc. , Program configuration as per machine configuration
11	iQ-R Safety	Introduction of iQR series PLC , Outline of safety programable controller ,Features of safety CPU, safety I/O Features ,Hardware wiring of safety PLC and remote I/O,CC-Link IE Field Network Safety, Creating new project for safety program, Module configuration & station setting
12	Third Party Communication	Device net, Profibus, Modbus, Modbus TCP, SLMP Communication, Profinet, Ethernet IP,
13	MelsecNet/H Network	MelsecNet/H Network range, specifications, feature. Optical loop module, coaxial bus & configuration. PLC-PLC & PLC- remote I/O communication. Link Devices & RAS function. Intelligent module at remote station. Troubleshooting
14	iQ-R Recorder	Basics of Step ladder , Devices in STL, Modes of Operation
15	Structured programming	Introduction to label programming, Understanding of local label and global label, Structure programming languages (Ladder, FBD, ST, SFC etc.), Creation of function blocks, Structured data types, User library, Import, Export, symbolic information and memory configuration.
16	e-Web	Introduction to Webserver function, System configuration, Creating system web page & User web page
17	IOT Gateway (SL-ITGW-22RB)	MQTT, Remote Monitoring , IOT Gateway, DNP 3 , Web Browser, Mobile HMI
18	IOT Features (FA Products) GOC43,FX PLC,R PLC, Genesis	Connectivity & Data Communication, Data Monitoring & Visualization, Remote Access & Control
Software Based Trainings		
1	Gemini	Introduction to Gemini Platform, System Architecture & Functional Overview, Hardware/Software Interfacing, Supported Protocols & Connectivity, Dashboard Overview, Diagnostics, Monitoring & Troubleshooting
2	SWM-G	Overview of SWM G Motion Control Software, Installation & Licensing (USB/Software License), System Configuration & CC Link IE TSN Integration , Motion Control Functions: Position/Speed/Torque Control
3	MIRANADA	Overview of MIRANADA Solution, System Modules & Key Capabilities, Data Flow & Integration Model, Installation & Configuration Steps, User Interface & Operational Workflow, Maintenance, Backup & Troubleshooting Procedures
4	VIXIO	Introduction to MELSOFT VIXIO Installation & Initial Setup
5	MC Storagia	Creating Projects: Datasets, Image Preparation, AI Model Building, Labelling & Training Data ,Task Configuration & Logic Setup
6	EntSightx	Introduction to MC Storagia ,Types of Licenses (Lite, GOT, Inverter, Motion), Features Graphical interface for registering , User Management , Backup history, Supporting Devices, System Configuration ,Installation Procedure

Conversion Trainings		
1	CC link IE to TSN Conversion	Introduction list of alternative modules, Comparison of specification & Functions, Link Devices, Replacing Module, Procedure using engineering tool
Maintenance Trainings		
1	PLC Maintenance	Basics of PLC, hardware configuration, Module Installation & Wiring. Program upload/download & backup. Troubleshooting Replacement of IO Module.
2	Servo Maintenance	Mitsubishi Servo Range, Power & Control wiring. Configuration. Start-up procedure. Periodic Maintenance. (Battery for absolute servo). Alarm number & brief description. Servo Motor Maintenance. Troubleshooting.
3	VFD Maintenance	Mitsubishi AC Drive Range, Induction motor selection. Power & Control wiring. Configuration. Start-up procedure. Parameter setting. Alarm troubleshooting & brief alarm description. Yearly & Monthly maintenance. Drive fans/filters.
4	Robot Maintenance	Mitsubishi Robot Range, Reading/writing backup, Settings of Origin data, Greasing of Robot arm, Battery replacement in Robot arm and controller, Power and control wiring , etc., Troubleshooting.

Note:

1. Apart from above list, wide range of customized training programs is available as per the installation at customer end.
2. Customized training programs can be arranged at customer site or at nearby FA centres of Mitsubishi Electric India.