



Dharmsinh Desai University
Faculty of Technology
Department of Instrumentation & Control Engineering

Factory Automation Lab
(Mitsubishi Electric India Pvt. Ltd.)

Activities Done Under Mitsubishi Automation Lab

- 1. Expert lectures on different PLC /GoT modules**
- 2. Hands on sessions on Mitsubishi Q and Fx series PLCs.**
- 3. Workshops/webinars for students.**
- 4. Participated in Mitsubishi Electric cup-2 and won forth appreciation award and cash price.**
- 5. Participated in Mitsubishi Electric cup-3 and won Most Popular team award**
- 6. Coordinated three days hands-on workshop under Mitsubishi Lab**
- 7. Short term training program for faculties/students**

PLC Hardware Facility

A Q PLC Training Set up

No.	Product name	Model	Quantity
1	Universal model QCPU	Q03UDECPU	1
2	Main base unit	Q38B	1
3	Power supply module	Q61P	1

4	CC-Link system master / local module	QJ61BT11N	1
5	DC input module	QX81	1
6	Transistor output module	QY41P	1
7	Analog-digital converter module	Q64AD	1
8	Digital-analog converter module	Q64DAN	1
9	High speed counter module	QD62	1
10	Manual Pulse Generator (Encoder)	MR-HDP01	1
11	40 Pin Connector	A6CON1	2
12	Remote Input Module, 8 point	AJ65SBTB1-8D	1
13	Remote Output Module, 8 point	AJ65SBTB1-8T	1
14	CC-Lin Cable (meter)	FANC110SBH	2
15	I/O simulator		1

B FX PLC Training Setup

No.	Product name	Model	Quantity
1	FX3G series PLC with 40 I/O	FX3GE- 40MR/ES	1
2	GT14 series HMI	GT1455-QTBDE	1
3	I/O simulator		1

C Mitsubishi FA Training Equipment

No	Name of Kit	Quantity
1	Q PLC Training Setup as per A	1
2	FX PLC training Setup as per B	1
	IQ Platform Programming Software	1

PLC Software Facility

A SCADA License:

No.	Product name	Model	Quantity /set
1	SW2DND-MCWDV-EZT75	MC Works Server software	1
2	NZ2HK-IPS	USB License Key	1
3	SW2DND-MCWCLRT-EZ	MC Works Client Software	1

Photographs of Mitsubishi Kits



Mitsubishi Electric Cup-2 held at College of Engineering, Pune



Workshop & hands on training at IC dept.,DDU



Mitsubishi Electric Cup-3 held at Nirma University

