

INDUSTRIAL ELECTRONICS WING

1. PROGRAMMABLE LOGIC CONTROLLERS (PLC/SCADA)

Course Code	Course Title	Duration in week/s	From	To
PLC 101	Allenbradely(SLC-500) PLC Programming & Applications	2	04-04-11 11-07-11	15-04-11 22-07-11
PLC 201	Fundamentals of PLCs & Ladder Programming (Allenbradely SLC-500)	1	05-09-11 31-10-11 05-12-11 23-01-12 12-03-12	09-09-11 04-11-11 09-12-11 27-01-12 16-03-12
PLC 301	Programming & Applications using Control Logix (RS logix-5000)	1	12-09-11 08-11-11 30-01-12 19-03-12	16-09-11 11-11-11 03-02-12 23-03-12
PLC 401	Automation using Micro PLCs (Siemens LOGO!)	1	18-04-11 27-06-11 16-08-11 21-11-11 16-01-12 05-03-12	22-04-11 01-07-11 19-08-11 25-11-11 20-01-12 09-03-12
PLC 501	SCADA (RS View) Programming & Applications	1	02-05-11 17-10-11 06-02-12	06-05-11 21-10-11 10-02-12
PLC 601	Siemens (S7-300/400) Programming & Applications	1	30-05-11 01-08-11 19-09-11 28-11-11 02-01-12 13-02-12	03-06-11 05-08-11 23-09-11 02-12-11 06-01-12 17-02-12
PLC 701	SCADA (Siemens WINCC) Programming & Applications	1	22-08-11 27-02-12	26-08-11 02-03-12
PLC 801	Total Integrated Automation using Siemens PLCs	1	08-08-11 26-09-11 20-02-12	12-08-11 30-09-11 24-02-12

Eligibility:

For Courses PLC 101 to 801: NCVT/HNTC certificate in Electronic Mechanic or NCVT with some experience in the relevant field or Degree/Diploma in ECE/EEE/EIE/ Computer Engg. or equivalent. Relevant PLC certificate is essential for the courses PLC 301, 501, 701 801.

2. MECHATRONICS LAB

Course Code	Course Title	Duration in week/s	From	To
MEC 101	Industrial Pneumatics	1	18-04-11	22-04-11
			13-06-11	17-06-11
			11-07-11	15-07-11
			12-09-11	16-09-11
			17-10-11	21-10-11
MEC 201	Industrial Pneumatics using PLCs	1	09-05-11	13-05-11
			20-06-11	24-06-11
			30-01-12	03-02-12
			19-03-12	23-03-12
MEC 301	Mechatronics	2	25-07-11	05-08-11
			12-12-11	23-12-11
MEC 401	Power Electronics- Devices and Applications	1	06-06-11	10-06-11
			05-03-12	09-03-12

Eligibility:

NCVT/HNTC certificate in Electronic Mechanic/Instrument Mechanic with some experience in the relevant field or Degree/Diploma in ECE/EEE/EIE/Computer / Mechanical Engineering B.Sc.(Electronics) or equivalent. Preference will be given to the candidates having experience in the relevant field.

3. MICROCONTROLLERS/EMBEDDED SYSTEMS LAB

Course Code	Course Title	Duration in week/s	From	To
MC 101	8051 Microcontrollers- Programming and Applications	1	16-05-11	20-05-11
			23-05-11	27-05-11
			30-05-11	03-06-11
			06-06-11	10-06-11
			05-12-11	09-12-11
			12-12-11	16-12-11
			19-12-11	23-12-11
MC 201	PIC Microcontrollers- Programming and Applications	1	04-07-11	08-07-11
			03-10-11	07-10-11
MC 301	AVR Microcontrollers- Programming and Applications	1	18-07-11	22-07-11
			31-10-11	04-11-11
			30-01-12	03-02-12
MC 401	ARM Microcontrollers- Programming and Applications	1	22-08-11	26-08-11
			28-11-11	02-12-11
			26-03-12	30-03-12

Eligibility: NCVT/HNTC certificate in Electronic Mechanic/Instrument Mechanic with some experience in the relevant field or Degree/Diploma in ECE/EEE/EIE/ Computer Engineering or B.Sc.(Electronics) or equivalent. Preference will be given to the candidates having experience in the relevant field. For MC 401 knowledge of Microcontroller is prerequisite

4. GENERAL ELECTRONICS/MEASURING INSTRUMENTS LAB

Course Code	Course Title	Duration in week/s	From	To
GE 101	Operation & Calibration of Electronic Test Equipment	1	18-04-11 12-09-11 16-01-12	22-04-11 16-09-11 20-01-12
GE 201	SMD soldering/desoldering	1	13-06-11 24-10-11 19-03-12	17-06-11 28-10-11 23-03-12
GE 301	PCB Design	1	16-08-11 21-11-11 20-02-12	19-08-11 25-11-11 24-02-12
GE 401	Digital Electronics- Devices and Applications	1	25-04-11 11-07-11 13-02-12	29-04-11 15-07-11 17-02-12

Eligibility: NCVT/ITI/HNTC certificate in Electronic Mechanic/Instrument Mechanic with some experience in the relevant field or Degree/Diploma in ECE/EEE/EIE/ Computer Engineering or B.Sc.(Electronics) or equivalent. Preference will be given to the candidates having experience in the relevant field.

5. ELECTRICAL MAINTENANCE LAB.

Course Code	Course Title	Duration in week/s	From	To
EM 101	Installation & Configuration of AC/DC Drives	1	25-07-11 08-08-11 31-10-11 21-11-11 12-12-11 09-01-12 13-02-12 19-03-12	29-07-11 12-08-11 04-11-11 25-11-11 16-12-11 13-01-12 17-02-12 23-03-12
EM 201	Electrical Maintenance and Safety	2	04-07-11 27-02-12	15-07-11 09-03-12
EM 301	Industrial Motor Control	2	17-10-11 16-01-12	28-10-11 27-01-12
EM 401	Electrical Panel Wiring	1	05-12-11 06-02-12	09-12-11 10-02-12

Eligibility: NCVT/ITI/HNTC certificate in Electrician/Wireman/Electronic Mechanic/Instrument Mechanic with some experience in the relevant field or Degree/Diploma in ECE/EEE/Computer Engineering or B.Sc.(Electronics) or equivalent. Preference will be given to the candidates having experience in the relevant field.