



ADARSH MANAGEMENT INSTITUTE OF INDIA

Diploma In Mechatronics Engineering

Course Name: Diploma in Mechatronics Engineering

Duration: 3 Years Eligibility: 10+2 with Math

Lateral Entry: 10+2 PCM / ITI (2years)/ 2 years Vocational Course in Relevant Trade / 3 year Apprenticeship

First Semester		Second Semester	
1.	Applied Science	8.	Applied Mathematics II
2.	Applied Mathematics I	9.	C' Programming
3.	Manufacturing Technology	10.	Analog Electronics
4.	Basics of Electrical and Electronics Engineering	11.	English Communication
5.	Science Lab	12.	Analog Electronics Lab
6.	Basic Electrical and Electronics Lab	13.	Machine Shop Practice
7.	Basic Computer Skills Lab	14.	C' Programming Lab
Third Semester		Fourth Semester	
1.	Measurement System	7.	Micro-controller and applications
1.	Digital electronics	8.	CNC machine tool Technology
2.	Basics of Mechanics and Thermal engineering	9.	Automation and Computer integrated manufacturing system
3.	Fluid Power Engineering	10.	Industrial electronics
4.	Digital Electronics Lab	11.	Micro-controller Lab
5.	Computer-aided Engg. graphics Lab	12.	Industrial electronics Lab
6.	Electro-Pneumatic Lab	13.	CNC Lab
Fifth Semester		Sixth Semester	
1.	Control System	8.	Industrial Robotics
2.	Micro-scale mechanical system	9.	Design of Mechatronics system
3.	Basic Management Skills & Indian Constitution	10.	Automotive Electronics (elective)
4.	PLC and Its Applications	11.	CASP Lab
5.	PLC Lab	12.	Robotics Lab
6.	Control system Lab	12.	Project work
7.	Project work and Industrial visit		