

Semester - 1					
Name of Course	L	T	P	C	H
Linear Algebra	3	0	0	3	90
Applied Mechanics	3	0	0	3	90
Communication Skills	2	0	0	2	60
Electrical Sciences	3	0	1	4	120
Electronic Devices and Sensors	3	0	0	3	90
Programming for Problem Solving - C	3	0	2	5	150
Total				20	600

Semester - 3					
Name of Course	L	T	P	C	H
Signals & Systems	3	0	0	3	90
Industrial Instrumentation and Control	3	0	0	3	90
Power Electronics	3	0	0	3	90
Internet of robotics Things (RIoT)	2	0	0	2	60
Pneumatic and Hydraulic Systems	3	0	0	3	90
Introduction to AI	3	0	0	3	90
Robotics Programming & Simulation Lab	0	0	2	2	60
Total				19	570

Semester 5					
Name of Course	L	T	P	C	H
Industry Apprenticeship	0	0	0	20	

Semester -2					
Name of Course	L	T	P	C	H
Probability & Statistics	3	0	0	3	90
Introduction to Industrial Automation	2	0	0	2	60
Basics of Mechatronics	3	0	1	4	120
Analog & Digital Electronics	3	0	0	3	90
Control Systems	3	0	1	4	120
Programming using Python	3	0	2	5	150
Total				21	630

Semester - 4					
Name of Course	L	T	P	C	H
PLC & SCADA	3	0	1	4	120
Microprocessor and Microcontroller	3	0	1	4	120
Network Cabling Systems	2	0	1	3	90
Industry 4.0 and Smart manufacturing	3	0	0	3	90
Advanced Robotics and Artificial Intelligence	3	0	1	4	120
Energy Management	2	0	0	2	60
Total				20	600

Semester 6					
Name of Course	L	T	P	C	H
Industry Apprenticeship	0	0	0	20	