

Thiagarajar College of Engineering
Department of Mechatronics Engineering
Percentage Revision of M.E., Mechatronics Engineering Curriculum 2014 - 2015

Curriculum 2014 - 2015					
Sl. No.	Course Code	Course Name	Change Details	% of Change	weightage
1	14MC110	Linear Algebra and Graph Theory	new	100	1
2	14MC120 A	Principles of Mechanical Systems	new	100	1
3	14MC120 B	Principles of Electronics Systems	new	100	1
4	14MC130	Sensors and Automation	new	100	1
5	14MC140	Fluid Power Automation	new	100	1
6	14MC150	Mechatronics System Design	new	100	1
7	14MC160	Automotive Electronics	new	100	1
8	14MC170	Automation Lab	new	100	1
9	14MC210	Real Time Embedded Systems	new	100	1
10	14MC220	MEMS	new	100	1
11	14MC270	Microcontroller Laboratory	new	100	1
12	14MC310	Digital Control Using Microcontrollers	new	100	1
13	14MC340	Project I	new	100	1
14	14MC410	Project II	new	100	1
15	14MCPA0	Microcontroller & Programmable Logic Controller	new	100	1
16	14MCPB0	Data Communication Networks	new	100	1
17	14MCPC0	Machine vision and Applications	new	100	1
18	14MCPD0	Virtual Instrumentation	new	100	1
19	14MCP E0	Modelling and simulation of Mechatronics system	new	100	1
20	14MCPF0	Autonomous Vehicles	new	100	1
21	14MCPG0	Industrial Robotics	new	100	1
22	14MCPH0	Elements and Programming of CNC Machines	new	100	1
23	14MCPJ0	Computer Integrated Manufacturing	new	100	1
24	14MCPK0	Medical Electronics and Instrumentation	new	100	1
25	14MCP L0	Material Handling, Storage and Assembly Automation	new	100	1
26	14MCPM0	Soft Computing Techniques	new	100	1
27	14MCPN0	Robust Control	new	100	1
28	14MCPQ0	Control of Elective drives	new	100	1
Total Weightage					28
Total Change in %					100.00

Thiagarajar College of Engineering
Department of Mechatronics Engineering
Percentage Revision of M.E., Mechatronics Engineering Curriculum 2017 - 2018

Curriculum 2014 - 2015			Curriculum 2017 - 2018				
Sl. No.	Course Code	Course Name	Change Details	% of Change	weightage	Course Code	Course Name
1	14MC110	Linear Algebra and Graph Theory		80	0.8	17MC110	Linear Algebra
2	14MC120 A	Principles of Mechanical Systems		0	0	17MC120	Principles of Mechanical Systems
3	14MC120 B	Principles of Electronics Systems		0	0	17MC180	Principles of Electronics Systems
4	14MC130	Sensors and Automation		60	0.6	17MC130	Sensors and Actuators
5	14MC140	Fluid Power Automation	dropped	0	0		
6	14MC150	Mechatronics System Design		60	0.6	17MC140	Mechatronics System Design
7	14MC160	Automotive Electronics		80	0.8	17MC150	Automotive Electronics
8	14MC170	Automation Lab		0	0	17MC170	Automation Lab
9	14MC210	Real Time Embedded Systems		50	0.5	17MC220	Real Time Embedded Systems
10	14MC220	MEMS		30	0.3	17MC310	MEMS
11	14MC270	Microcontroller Laboratory		25	0.25	17MC270	Sensors and Microcontroller Laboratory
12	14MC310	Digital Control Using Microcontrollers		0	0	17MC160	Digital Control System
13	14MC340	Project I		0	0	17MC340	Project - I
14	14MC410	Project II		0	0	17MC410	Project - II
15	14MCPA0	Microcontroller & Programmable Logic Controller	dropped / new	100	1	17MCPA0	Additive Manufacturing
16	14MCPB0	Data Communication Networks	dropped / new	100	1	17MCPB0	Internet of Things
17	14MCPC0	Machine vision and Applications	dropped / new	100	1	17MCPC0	Professional Practice
18	14MCPD0	Virtual Instrumentation	dropped / new	100	1	17MCPD0	Thermal Packaging for Electronics
19	14MCP E0	Modelling and simulation of Mechatronics system		20	0.2	17MCPH0	Modelling and simulation of Mechatronics system
20	14MCPF0	Autonomous Vehicles		50	0.5	17MCPF0	Autonomous Mobile Robots
21	14MCPG0	Industrial Robotics		50	0.5	17MC210	Robotic Concepts and Analysis
22	14MCPH0	Elements and Programming of CNC Machines		30	0.3	17MCP E0	CNC Technology
23	14MCPJ0	Computer Integrated Manufacturing	dropped	0	0		
24	14MCPK0	Medical Electronics and Instrumentation	dropped	0	0		
25	14MCP L0	Material Handling, Storage and Assembly Automation	dropped	0	0		
26	14MCPM0	Soft Computing Techniques	dropped	0	0		
27	14MCPN0	Robust Control	dropped	0	0		
28	14MCPQ0	Control of Elective drives		75	0.75	17MCPJ0	Intelligent Motion Control Drive
Total Weightage					10.1		
Total Change in %					36.07		