Thiagarajar College of Engineering Department of Mechatronics Engineering

Percentage Revision of B.E., Mechatronics Engineering Curriculum 2014 - 2015

SI. No.	Course Code	Course Name	Change Details	% of Change	weightage
1	14MA110	Engineering Mathematics -I	New	100	1
2	14PH120	Physics	New	100	1
3	14CH130	Chemistry	New	100	1
4	14EG140	English Communication	New	100	1
5	14ES150	Basics of Civil and Mechanical Engineering	New	100	1
6	14ES160	Basics of Electrical and Electronics Engineering	New	100	1
7	14PH180	Physics Lab	New	100	1
8	14CH190	Chemistry Lab	New	100	1
9	14ME170	Engineering Graphics	New	100	1
10	14MT210	Engineering Mathematics II	New	100	1
11	14MT220	Free Body Mechanics	New	100	1
12	14MT230	Electrical Machines	New	100	1
13	14MT240	Materials For Mechanical and Electronic Systems	New	100	1
14	14MT250	Environmental Science and Engineering	New	100	1
15	14MT270	Analog and Digital Devices	New	100	1
16	14MT280	Electrical Machines Lab	New	100	1
17	14MT290	Workshop	New	100	1
18	14MT310	Fourier Analysis and Partial Differential Equations	New	100	1
19	14MT320	Kinematics and Dynamics of Machinery	New	100	1
20	14MT330	Sensors and PLC	New	100	1
21	14MT340	Thermal Engineering and Fluid Mechanics	New	100	1
22	14MT350	Manufacturing Processes	New	100	1
23	14MT370	Problem solving using Computer	New	100	1
24	14MT380	Thermal Engineering Lab	New	100	1
25	14MT390	Manufacturing Processes Lab	New	100	1
26	14MT410	Linear algebra and Numerical Methods	New	100	1
27	14MT420	Engineering Design	New	100	1
28	14MT430	Analog and Digital Circuits Design	New	100	1
29	14MT440	Metrology and Measurements	New	100	1
30	14MT450	Fluid Power Automation	New	100	1
31	14MT470	Professional Communication	New	100	1
32	14MT480	Automation Lab	New	100	1
33	14MT490	Metrology and Measurement Lab	New	100	1
34	14MT4C1	Capstone Course –I	New	100	1
35	14MT510	Optimization Techniques	New	100	1
36	14MT520	Control Systems	New	100	1
37	14MT530	Power Electronics and Drives	New	100	1
38	14MT540	CNC Technology	New	100	1
39	14MT570	Microcontrollers	New	100	1
40	14MT580	CAD/CAM Lab	New	100	1
41	14MT590	Analog and Digital Circuit Design Lab	New	100	1
42	14MT610	Accounting and finance	New	100	1
43	14MT620	Industrial Robotics	New	100	1
44	14MT630	Mechatronic System Design	New	100	1
45	14MT640	Digital Signal Processing	New	100	1
46	14MT680	Dynamics and Control Lab	New	100	1
47	14MT690	Robotics Lab	New	100	1
48	14MT710	Project Management	New	100	1
49	14MT720	Unmanned Aerial Vehicles	New	100	1
50	14MT770	System Integration	New	100	1
51	14MT7C0	Capstone Course –II	New	100	1

52	14MT880	Project	New	100	1
53	14MAFA0	Graph Theory	New	100	1
54	14MAFB0	Fuzzy Sets and Clustering	New	100	1
55	14MAFC0	Number Theory	New	100	1
56	14MAFD0	Mathematical Aptitude Methods	New	100	1
57	14MAFE0	Mathematical Techniques	New	100	1
58	14PHFA0	Smart Materials for Engineers	New	100	1
59	14PHFB0	Thin Film Technology	New	100	1
60	14PHFC0	Nanotechnology	New	100	1
61	14PHFD0	Quantum Computing	New	100	1
62	14CHFA1	Biology for Engineers	New	100	1
63	14CHFB0	Chemistry of Engineering Materials	New	100	1
64	14CHFC0	Battery Technologies	New	100	1
65	14CHFD0	Corrosion Science and Engineering	New	100	1
66	14MTGA0	Industrial Automation	New	100	1
67	14MTGB0	Mechatronics	New	100	1
68	14MTGC0	Total Quality management	New	100	1
69	14MTGD0	Sensors	New	100	1
70	14MTPA0	Machine Vision System	New	100	1
71	14MTPB0	Micro Electro Mechanical Systems	New	100	1
72	14MTPC0	Additive Manufacturing	New	100	1
73	14MTPD0	Integrated Product Development	New	100	1
74	14MTPE0	VERILOG HDL	New	100	1
75	14MTPF0	Total Quality management	New	100	1
76	14MTPG0	Smart materials for Mechatronics	New	100	1
77	14MTPH0	Embedded system	New	100	1
78	14MTPJ0	Programming for Robotics system	New	100	1
79	14MTPK0	Industrial Internet of Things	New	100	1
80	14MTPM0	Industrial Communication Networks	New	100	1
81	14MTPN0	Automotive Mechatronics	New	100	1
82	14MTPP0	Artificial Intelligence	New	100	1
83	14MTPQ0	Modern Control Systems	New	100	1
84	14MTPR0	Mechanical and Thermal Packaging of Electronics	New	100	1
85	14MTPT0	Data Analytics	New	100	1
86	14MTPU0	Mobile Robotics	New	100	1
87	14MTPW0	Virtual Instrumentation	New	100	1
88	14MTPY0	Design of Machine Elements	New	100	1
89	14MTRA0	Selection and Integration of Sensors	New	100	1
90	14MT1C0	Mobile Hydraulics	New	100	1
91	14MT1D0	Integrated building Management system	New	100	1
92	14MT1E0	EMI/EMC	New	100	1
93	14MT1F0	Bio-Mechatronics	New	100	1
94	14MT2A0	Reliability for Mechatronics System	New	100	1
95	14MT1A0	Elevator System Design	New	100	1
96	14MT1A0	Motion Logic Drives & Controls	New	100	1
			Total Weightage		96
			Total Change in %		100.00