Scheme of UNDERGRADUATE DEGREE COURSE

B.Tech. V & VI Semester

Mechatronics Engineering



Rajasthan Technical University, Kota Effective from session: 2022 – 2023



Teaching & Examination Scheme B.Tech.: Mechatronics Engineering 3rd Year – V Semester

SN	Categ ory	Course Code	Course Title	Hours Per Week			Marks				
				L	Т	P	Exm Hrs	IA	ЕТЕ	Total	
1	ESC	5MH3-01	Design of Machine Elements	2	0	0	2	30	70	100	2
2	PCC	5MH4-02	Power Electronics	3	0	0	3	30	70	100	3
3		5MH4-03	Sensors	3	0	0	3	30	70	100	3
4		5MH4-04	Electrical Machines	3	0	0	3	30	70	100	3
5		5MH4-05	Modern Control Engineering	3	0	0	3	30	70	100	3
6		Professional Elective I (any one)		2	0	0	2	30	70	100	2
	PEC	5MH5-11	Linear Integrated Circuit								
		5MH5-12	I.C. Engine								
		5MH5-13	CNC Technology								
			SUB TOTAL	16	0	0					16
7	PCC	5MH4-21	Power Electronics Lab	0	0	3	3	30	70	100	1.5
8		5MH4-22	Sensors Lab	0	0	2	2	30	70	100	1
9		5MH4-23	Electrical Machines Lab	0	0	3	3	30	70	100	1.5
10	PSIT	5MH7-30	Industrial Training	0	0	1		30	70	100	2.5
11	SODE CA	5MH8-00	Social Outreach, Discipline & Extra Curricular Activities						100	100	0.5
			SUB TOTAL	0	0	9					7
		TOTAL OF V SEMESTER			0	9					23

L: Lecture, T: Tutorial, P: Practical, Cr: Credits,

ETE: End Term Exam, IA: Internal Assessment

Office of Dean Academic Affairs Rajasthan Technical University, Kota



RAJASTHAN TECHNICAL UNIVERSITY, KOTA

Teaching & Examination Scheme B.Tech.: Mechatronics Engineering 3rd Year – VI Semester

SN	Categ	Course Code	Course Title	Hours Per Week				Cr			
				L	T	P	Exm Hrs	IA	ETE	Total	
1	ESC	6MH3-01	Automobile Engineering	2	0	0	3	30	70	100	2
2	PCC	6MH4-02	Micro Controller & embedded system	3	0	0	3	30	70	100	3
3		6MH4-03	Applied Hydraulics & Pneumatics	3	0	0	3	30	70	100	3
4		6MH4-04	MEMS & Microsystems	3	0	0	3	30	70	100	3
5		6MH4-05	Object Oriented Programming	3	0	0	3	30	70	100	3
6		Professional Elective II (any one)		3	0	0	3	30	70	100	3
		6MH5-11	Principles of Management								
	PEC	6MH5-12	Thermal Engineering								
		6MH5-13	Aircraft Electronics System								
			SUB TOTAL	17	0	0					17
7	- PCC	6MH4-21	Automobile Engineering Lab	0	0	3		60	40	100	1.5
8		6MH4-22	Micro Controller & Embedded System Lab	0	0	3		60	40	100	1.5
9		6MH4-23	Applied Hydraulics & Pneumatics Lab	0	0	3		60	40	100	1.5
10		6MH4-24	Object Oriented Programming Lab	0	0	3		60	40	100	1.5
11	SODE CA	6MH8-00	Social Outreach, Discipline & Extra Curricular Activities	0	0	0		0	100	100	0.5
			SUB TOTAL	0	0	12					6.5
		TOTAL OF VI SEMESTER			0	12					23.5

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