

Name of the Programme: B. Tech. Mechatronics Engineering																						Year of the Programme: Third Year										Semester: V & VI			
Sr. No.	Module / Subject Code	Name of the Module	Theory Hours per week	Practicals Hours per week	Tutorials Hours per week	Total no. of hours for the subject (In term)	Credit/s	Duration of Examination (Hrs)		Mode of Exam	Examination Scheme (Weightage)								Template Codes	GR applicable (Yes/No)	Remark														
								Term End Examination	Only ICA		Distribution of ICA Marks					TEE		Total																	
										Test I	Test II	Term work *	Total Marks	Scaled to (Marks)	Marks (Question Paper)	Scaled to (Marks)	Scaled Marks (ICA+ TEE)	Weightage %																	
<b>Semester - V</b>																																			
1	BTMA05007	Elements of Biology	3	0	1	60	4	3	--	Written	10	10	30	50	50	100	50	100	100	7031	Yes														
2	BTMA05008	Theory of Machines	3	2	0	75	4	3	--	Written	10	10	30	50	50	100	50	100	100	7031	Yes														
3	BTMA05009	Industrial Electronics and Drives	3	2	0	75	4	3	--	Written	10	10	30	50	50	100	50	100	100	7031	Yes														
4	BTMA05010	Essence of Indian Traditional Knowledge	2	0	0	30	0	--	Only ICA	--	--	50	50	50	--	--	50	100	7032	No															
5	BTMA05011	Management Accounting for Engineers	2	0	0	30	2	2	--	Written	10	10	30	50	50	100	50	100	100	7031	Yes														
6	BTMA05012	Electro-Mechanical Workshop	0	2	0	30	1	--	Only ICA	--	--	50	50	50	--	--	50	100	7032	No															
<b>Professional Elective Course-1 (Choose any one)</b>																																			
7	BTMA05013	Thermodynamics and Heat Transfer	3	2	0	75	4	3	--	Written	10	10	30	50	50	100	50	100	100	7031	Yes														
	BTMA05014	Materials Engineering	3	2	0	75	4	3	--	Written	10	10	30	50	50	100	50	100	100	7031	Yes														
	BTMA05015	Fluid Mechanics & Machinery	3	2	0	75	4	3	--	Written	10	10	30	50	50	100	50	100	100	7031	Yes														
<b>Professional Elective Course-2 (Choose any one)</b>																																			
8	BTMA05016	Industrial Data Communication	3	2	0	75	4	3	--	Written	10	10	30	50	50	100	50	100	100	7031	Yes														
	BTMA05017	Python Programming	3	2	0	75	4	3	--	Written	10	10	30	50	50	100	50	100	100	7031	Yes														
	BTMA05018	Signals and Systems	3	2	0	75	4	3	--	Written	10	10	30	50	50	100	50	100	100	7031	Yes														
<b>Total</b>			<b>19</b>	<b>10</b>	<b>1</b>	<b>450</b>	<b>23</b>	<b>17</b>	<b>--</b>	<b>--</b>	<b>60</b>	<b>60</b>	<b>280</b>	<b>400</b>	<b>400</b>	<b>600</b>	<b>300</b>	<b>700</b>																	
<b>Semester - VI</b>																																			
1	BTMA06007	PLC and Data Acquisition	3	2	0	75	4	3	--	Written	10	10	30	50	50	100	50	50	100	7031	Yes														
2	BTMA06008	Mechanical Measurements and Instrumentation	3	2	0	75	4	3	--	Written	10	10	30	50	50	100	50	50	100	7031	Yes														
3	BTMA06009	Professional Ethics and Legal Aspects	2	0	0	30	2	2	--	Written	10	10	30	50	50	100	50	100	100	7031	Yes														
4	BTMA06010	Research Methodology	1	2	0	45	2	--	Only ICA	--	--	50	50	50	--	--	50	100	7032	No															
<b>Professional Elective Course-3 (Choose any one)</b>																																			
5	BTMA06011	CAD/CAM/CIM	3	2	0	75	4	3	--	Written	10	10	30	50	50	100	50	100	100	7031	Yes														
	BTMA06012	Modeling and Simulation	3	2	0	75	4	3	--	Written	10	10	30	50	50	100	50	100	100	7031	Yes														
	BTMA06013	Dynamic System Modeling and Analysis	3	2	0	75	4	3	--	Written	10	10	30	50	50	100	50	100	100	7031	Yes														
<b>Professional Elective Course-4 (Choose any one)</b>																																			
6	BTMA06014	Automobile Engineering	3	2	0	75	4	3	--	Written	10	10	30	50	50	100	50	100	100	7031	Yes														
	BTMA06015	Design of Machine Elements	3	2	0	75	4	3	--	Written	10	10	30	50	50	100	50	100	100	7031	Yes														
	BTMA06016	Additive Manufacturing	3	2	0	75	4	3	--	Written	10	10	30	50	50	100	50	100	100	7031	Yes														
<b>Total</b>			<b>15</b>	<b>10</b>	<b>0</b>	<b>375</b>	<b>20</b>	<b>14</b>	<b>--</b>	<b>--</b>	<b>50</b>	<b>50</b>	<b>200</b>	<b>300</b>	<b>300</b>	<b>500</b>	<b>250</b>	<b>450</b>																	

\*Term Work = Viva / Presentations / Journals / assignments / quizzes / MCQs / Business plans / Role plans etc.



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Date:  
22.06.2020

Dean : \_\_\_\_\_

Pls. Note :-Any approval/change should be helghlighted in gray as per academic councils meeting, dated \_\_\_\_\_