

Name of the Programme: B. Tech. (Mechanical Engineering)

Year of the Programme: First year

Semester: I &amp; II

Sr. No.	Module / Subject Code	Name of the Module	Theory Hours per week	Tutorials Hours per week	Practicals Hours per week	Total no. of hours for the subject	Credit/s	Credit/s types	Duration of Examination (Hrs)		Mode of Exam	Examination Scheme (Weightage)								Template Codes	GR applicable (Yes / No)	Remark		
									Term End Examination	Continuous Evaluation		Distribution of Continuous Evaluation Marks					TEE		Total					
												Test I	Test II	Term work *	Total Marks	Scaled to (Marks)	Marks (Question Paper)	Scaled to (Marks)	Marks (Continuous Evaluation+ TEE)				Weightage %	
<b>Semester - I</b>																								
1	BTME01001	Mathematics-I	3	1	0	4	4	full credit	3	--	Written	10	10	30	50	50	100	50	100	100	7031	Yes	#	
2	BTME01002	Basic Electrical Engineering	3	1	2	6	5	full credit	3	--	Written	10	10	30	50	50	100	50	100	100	7031	Yes	##	
3	BTME01003	Physics	3	1	2	6	5	full credit	3	--	Written	10	10	30	50	50	100	50	100	100	7031	Yes	##	
4	BTME01004	Engineering Graphics & Design	1	0	4	5	3	full credit	3	--	Practical	10	10	30	50	50	100	50	100	100	7031	Yes	NUE	
5	BTME01005	Constitution of India	2	0	0	2	0	non credit	--	Contin uous Evalua tion	--	10	10	30	50	50	--	--	50	100	7032	No		
<b>Total</b>			<b>12</b>	<b>3</b>	<b>8</b>	<b>23</b>	<b>17</b>	<b>--</b>	<b>12</b>	<b>--</b>	<b>--</b>	<b>50</b>	<b>50</b>	<b>150</b>	<b>250</b>	<b>250</b>	<b>400</b>	<b>200</b>	<b>450</b>					
<b>Semester - II</b>																								
1	BTME02008	Mathematics-II	3	1	0	4	4	full credit	3	--	Written	10	10	30	50	50	100	50	100	100	7031	Yes	#	
2	BTME02009	Programming for Problem Solving	3	0	4	7	5	full credit	3	--	Written	10	10	30	50	50	100	50	100	100	7031	Yes	##	
3	BTME02010	Chemistry	3	1	2	6	5	full credit	3	--	Written	10	10	30	50	50	100	50	100	100	7031	Yes	##	
4	BTME02011	Workshop / Manufacturing Practices	1	0	4	5	3	full credit	--	Contin uous Evalua tion	--	--	--	50	50	50	--	--	50	100	7032	No		
5	BTME02012	English	2	0	2	4	3	full credit	3	--	Written	10	10	30	50	50	100	50	100	100	7031	Yes	##	
<b>Total</b>			<b>12</b>	<b>2</b>	<b>12</b>	<b>26</b>	<b>20</b>	<b>--</b>	<b>12</b>	<b>--</b>	<b>--</b>	<b>40</b>	<b>40</b>	<b>170</b>	<b>250</b>	<b>250</b>	<b>400</b>	<b>200</b>	<b>450</b>					

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

# Syllabus common for B.Tech. (All Stream) &amp; MBA Tech. (All Stream) / All Programme, can use common question paper.

## Syllabus common for different streams / Programme can use common question paper.

NUE = Non University Examination ( Examination conducted at school level)

Name of the Programme: B.TECH MECHANICAL							Year: 2019-20					Semester: III/IV												
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	Credit/s	Credit/s types	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)	Marks (ICA+ TEE)				Weightage %	
<b>Semester - III</b>																								
1	BTME03008	Mathematics - III	3	0	1	4	4	full credit	3	-	Written	10	10	30	50	50	100	50	100	100	7031	Yes		
2	BTME03009	Engineering Mechanics	3	2	0	5	4	full credit	3	-	Written	10	10	30	50	50	100	50	100	100	7031	Yes		
3	BTME03010	Materials Engineering	3	2	0	5	4	full credit	3	-	Written	10	10	30	50	50	100	50	100	100	7031	Yes		
4	BTME03011	Machine Drawing	2	4	0	6	4	full credit	3	-	Practical	10	10	30	50	50	100	50	100	100	7031	Yes	NUE	
5	BTME03012	Engineering Thermodynamics	3	0	1	4	4	full credit	3	-	Written	10	10	30	50	50	100	50	100	100	7031	Yes		
6	BTME03013	Presentation and Communication Techniques	2	0	0	2	2	half credit	-	Only ICA	-	10	10	30	50	50	-	-	50	100	7032	No		
7	BTME03014	Environmental Studies	2	0	0	2	0	non credit	-	Only ICA	-	10	10	30	50	50	-	-	50	100	7032	No		
<b>Total</b>			<b>18</b>	<b>8</b>	<b>2</b>	<b>28</b>	<b>22</b>		<b>15</b>			<b>70</b>	<b>70</b>	<b>210</b>	<b>350</b>	<b>350</b>	<b>500</b>	<b>250</b>	<b>600</b>					

<b>Semester - IV</b>																								
1	BTME04015	Numerical and Statistical Methods	3	0	1	4	4	full credit	3	-	Written	10	10	30	50	50	100	50	100	100	7031	Yes		
2	BTME04009	Strength of Materials	3	2	0	5	4	full credit	3	-	Written	10	10	30	50	50	100	50	100	100	7031	Yes		
3	BTME04010	Fluid Mechanics	3	2	0	5	4	full credit	3	-	Written	10	10	30	50	50	100	50	100	100	7031	Yes		
4	BTME04011	Thermal Engineering	3	2	0	5	4	full credit	3	-	Written	10	10	30	50	50	100	50	100	100	7031	Yes		
5	BTME04012	Manufacturing Processes - I	3	0	0	3	3	full credit	3	-	Written	10	10	30	50	50	100	50	100	100	7031	Yes		
6	BTME04013	Machine Shop - I	0	2	0	2	1	half credit	-	Only ICA	-	-	-	50	50	50	-	-	50	100	7032	No		
7	BTME04014	Principles of Economics and Management	3	0	0	3	3	full credit	3	-	Written	10	10	30	50	50	100	50	100	100	7031	Yes		
<b>Total</b>			<b>18</b>	<b>8</b>	<b>1</b>	<b>27</b>	<b>23</b>		<b>18</b>			<b>60</b>	<b>60</b>	<b>230</b>	<b>350</b>	<b>350</b>	<b>600</b>	<b>300</b>	<b>650</b>					

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# Syllabus common for B.Tech (Mechanical) and MBA(Tech) Mechanical, can use common question paper.

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