



**Shri Vaishnav Vidyapeeth Vishwavidyalaya**  
**Shri Vaishnav Institute of Technology and Science**  
**Choice Based Credit System (CBCS) Scheme in the light of NEP-2020**  
**B. Tech in Mechanical Engineering**  
**SEMESTER - IV (2024 - 2028)**

Sr. No.	COURSE CODE	COURSE NAME	TEACHING SCHEME/WEEK			CREDITS	EXAMINATION SCHEME					TOTAL MARKS
			L	T	P		THEORY			PRACTICAL		
							End Sem University Exam (60%)	Two Term Exam (20%)	Teachers Assessment* (20%)	End Sem University Exam (60%)	Teachers Assessment* (40%)	
1	BTME401	FLUID MECHANICS	3	0	2	4	60	20	20	30	20	150
2	BTME402	THEORY OF MACHINES	3	1	2	5	60	20	20	30	20	150
3	BTME403	APPLIED THERMODYNAMICS	3	1	2	5	60	20	20	30	20	150
4	BTME404	MACHINE DESIGN I	3	0	2	4	60	20	20	30	20	150
5	BTME405N	IC ENGINES AND ELECTRIC VEHICLES	3	0	2	4	60	20	20	30	20	150
6	BTME406N	CAD AND SOLID MODELLING LAB	0	0	2	1	0	0	0	0	50	50
7	MOOC1	MOOC I	-	-	-	2	-	-	-	-	50	50
<b>TOTAL</b>			<b>15</b>	<b>2</b>	<b>12</b>	<b>25</b>	<b>300</b>	<b>100</b>	<b>100</b>	<b>150</b>	<b>200</b>	<b>850</b>

Legends: L - Lecture ; T - Tutorial/Teacher Guided Student Activity ; P - Practical ;

\*Teacher Assessment shall be based on following components: Quiz/Assignment/Project/Participation in Class, given that no component shall exceed more than 10 marks.

Note: Students have to compulsorily opt MOOCs course of two credits from Swayam Portal.

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**Chairperson**  
 Board of Studies  
 Shri Vaishnav Vidyapeeth  
 Vishwavidyalaya, Indore

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**Chairperson**  
 Faculty of Studies  
 Shri Vaishnav Vidyapeeth  
 Vishwavidyalaya, Indore

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**Controller of Examinations**  
 Shri Vaishnav Vidyapeeth  
 Vishwavidyalaya, Indore

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**Registrar**  
 Shri Vaishnav Vidyapeeth  
 Vishwavidyalaya, Indore

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**Vice Chancellor**  
 Shri Vaishnav Vidyapeeth  
 Vishwavidyalaya, Indore