



# 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		
			THEORY				PRACTICAL							
			L	T	P		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.

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

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

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

**Registrar**  
Shri Vaishnav Vidyapeeth  
Vishwavidyalaya, Indore

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