



**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 - VI (2023-2027)**

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		DEPARTMENTAL ELECTIVE III	3	1	0	4	60	20	20	0	0	100
2		DEPARTMENTAL ELECTIVE IV	3	0	0	3	60	20	20	0	0	100
3	BTME603	MECHANICAL VIBRATION	3	1	2	5	60	20	20	30	20	150
4	BTME604	HEAT AND MASS TRANSFER	3	1	2	5	60	20	20	30	20	150
5	BTME605N	DESIGN OF MACHINE COMPONENTS AND TOOLS	3	0	2	4	60	20	20	30	20	150
	BTME606	SIMULATION OF MECHANICAL SYSTEM LAB	0	0	4	2	0	0	0	0	50	50
7	MOOC2	MOOC II	-	-	-	2	-	-	-	-	50	50
<b>TOTAL</b>			<b>15</b>	<b>3</b>	<b>10</b>	<b>25</b>	<b>300</b>	<b>100</b>	<b>100</b>	<b>90</b>	<b>160</b>	<b>750</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.

\*Students have to compulsorily opt MOOCs course of two credits from Swayam Portal.

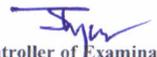
\*Note: Students need to complete "2/3 weeks Industrial Training" in summer break between 6th sem and 7th sem. "Industrial Training" will be evaluate in the 7th sem.

DEPARTMENTAL ELECTIVE - III	
BTME601A	OPERATION RESEARCH AND SUPPLY CHAIN
BTME601B	PRODUCTION PLANNING AND CONTROL
BTME601C	PROCESSING OF MATERIALS

DEPARTMENTAL ELECTIVE - IV	
BTME602A	ADVANCED PRODUCTION TECHNOLOGY
BTME602B	POWER PLANT ENGINEERING
BTME602C	PLANT MAINTENANCE AND SAFETY

  
 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