



**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
TOTAL			15	3	10	25	300	100	100	90	160	750

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