



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	
			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		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 evaluated 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