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 - V (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 I	3	0	2	4	60	20	20	30	20	150
2		DEPARTMENTAL ELECTIVE II	3	0	0	3	60	20	20	0	0	100
3	BTME503	DYNAMICS OF MACHINE	3	0	2	4	60	20	20	30	20	150
4	BTME509	SQC AND TOTAL QUALITY MANAGEMENT	3	0	0	3	60	20	20	0	0	100
5	BTME510	DESIGN THINKING AND INNOVATION	2	0	0	2	60	20	20	0	0	100
6		GENERIC ELECTIVE II **	-	-	-	4	-	-	-	-	-	100
7	BTME506	PROTOTYPING LAB	0	0	2	1	0	0	0	30	20	50
8	BTME507	METAL CUTTING AND CNC LAB	0	0	2	1	0	0	0	30	20	50
	TOTAL		14	0	8	22	300	100	100	120	80	800

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.

**Generic Elective Course Code and Scheme as per the Generic Elective Basket Approved by the University.

DEPARTMENTAL ELECTIVE - I	
BTME501A	CAD CAM CIM
BTME501B	FINITE ELEMENT ANALYSIS
BTCSME501	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

DEPARTMENTAL ELECTIVE - II	
BTME502A	ADVANCED MATERIALS
BTME502B	ROBOTICS AND MACHINE VISION SYSTEM
BTME502C	NON-CONVENTIONAL ENERGY SOURCES

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