



**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/B. Tech+MBA in Mechanical Engineering**  
**SEMESTER - V (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 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	BTME508N	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

