



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 Mechatronics

SEMESTER-VII (2023-2027)

SEMESTER-VII (2023-2027)												
S. 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	BTMEMT709	Design of Machine Elements	3	0	2	4	60	20	20	30	20	150
2	-	Elective III	3	0	2	4	60	20	20	30	20	150
3	-	Elective IV	3	1	0	4	60	20	20	0	0	100
4	BBAI501	Human Values and Professional Ethics	4	0	0	4	60	20	20	0	0	100
5	BTEEE701	Industrial Training	0	0	2	1	0	0	0	30	20	50
6	BTEEE702	Major Project	0	0	6	3	0	0	0	90	60	150
TOTAL			13	1	12	20	240	80	80	180	120	700
Legends: L - Lecture; T - Tutorial/Teacher Guided Student Activity; P - Project/Practical												

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.

S. No.	Course Code	Elective III
1	BTMT703	System Modeling
2	BTEI702	MEMS and NEMS
3	BTMT714	Virtual Instrumentation

S. No.	Course Code	Elective IV
1	BTMT721	Automotive Electronics
2	BTRA601	Advanced Control Systems
3	BTMT722	Aerospace Electronics

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Shri Vaishnav Vidyapeeth
Vishwavidyalaya, Indore

Registrar
Shri Vaishnav Vidyapeeth
Vishwavidyalaya, Indore

Vice Chancellor
Shri Vaishnav Vidyapeeth
Vishwavidyalaya, Indore

Signature
16/7/2026