



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-V (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	BTMT501	Applied Hydraulics and Pneumatics	3	0	2	4	60	20	20	30	20	150
2	BTEE503	Control System Engineering	3	1	2	5	60	20	20	30	20	150
3	BTME510	Design Thinking and Innovation	2	0	0	2	60	20	20	0	0	100
4	-	Elective I	3	0	2	4	60	20	20	30	20	150
5	-	Generic Elective II	4	0	0	4	60	20	20	0	0	100
6	BTEEE501 *	Minor Project	0	0	4	2	0	0	0	30	20	50
7	BTEC507	Programming in Python	0	0	2	1	0	0	0	30	20	50
TOTAL			15	1	12	22	300	100	100	150	100	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 credit from Swayam Portal

S. No.	Course Code	Elective I
1	BTCS306M	Fundamentals of Data Structures
2	BTEI611	Data Acquisition System
3	BTECIOT508	Introduction to AI and ML

Anjane

Chaitanya

Chairperson
Board of Studies
Shri Vaishnav Vidyapeeth
Vishwavidyalaya, Indore

Chaitanya

Chairperson
Faculty of Studies
Shri Vaishnav Vidyapeeth
Vishwavidyalaya, Indore

Shyam
Controller of Examinations
Shri Vaishnav Vidyapeeth
Vishwavidyalaya, Indore

Shyam

Registrar
Shri Vaishnav Vidyapeeth
Vishwavidyalaya, Indore

Shyam

Vice Chancellor
Shri Vaishnav Vidyapeeth
Vishwavidyalaya, Indore