



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 Robotics and Automation with AI

SEMESTER-V (2024-2028)

SEMESTER-V (2024-2028)												
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	BTEE503	Control System Engineering	3	1	2	5	60	20	20	30	20	150
2	BTME503	Dynamics of Machine	3	0	2	4	60	20	20	30	20	150
3	-	Elective I	3	0	2	4	60	20	20	30	20	150
4	-	Generic Elective II	4	0	0	4	60	20	20	0	0	100
5	BTME510	Design Thinking and Innovation	2	0	0	2	60	20	20	0	0	100
6	BTEC507	Programming in Python	0	0	2	1	0	0	0	30	20	50
7	BTEEE501	Minor Project	0	0	4	2	0	0	0	30	20	50
8	BTEEE502	PLC Lab	0	0	4	2	0	0	0	30	20	50
TOTAL			15	1	16	24	300	100	100	180	120	800
Legend: L - Lectures, T - Tutorial, P - 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 I
1	BTEC525N	FPGA Based System Design
2	BTEI611	Data Acquisition Systems
3	BTECIOT508	Introduction to AI and ML

Signature
 16/7/2026
Signature
Chairperson
 Board of Studies
 Shri Vaishnav Vidyapeeth
 Vishwavidyalaya, Indore

Signature
Chairperson
 Faculty of Studies
 Shri Vaishnav Vidyapeeth
 Vishwavidyalaya, Indore

Signature
Controller of Examinations
 Shri Vaishnav Vidyapeeth
 Vishwavidyalaya, Indore

Signature
Registrar
 Shri Vaishnav Vidyapeeth
 Vishwavidyalaya, Indore

Signature
Vice Chancellor
 Shri Vaishnav Vidyapeeth
 Vishwavidyalaya, Indore