



**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**

**SEMESTER-VI (2021-2025)**

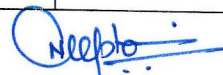
S. No.	COURSE CODE	COURSE NAME	TEACHING SCHEME/WEEK			CREDITS	EXAMINATION SCHEME					TOTAL MARKS
			L	T	P		THEORY			PRACTICAL		
							End Sem University Exam (60%)	Two Term Exam (20%)	Teachers Assessment* (20%)	End Sem University Exam (60%)	Teacher's Assessment* (40%)	
1	BTRA601	Advanced Control Systems	3	1	0	4	60	20	20	0	0	100
2	BTECIOT701	Real Time Operating Systems	3	0	2	4	60	20	20	30	20	150
3	BTRA602	Computer Aided Design and Manufacturing	3	1	2	5	60	20	20	30	20	150
4	-	Elective II	3	1	2	5	60	20	20	30	20	150
5	-	Generic Elective III	3	0	0	3	60	20	20	0	0	100
6	-	MOOCs III	-	-	-	2	-	-	-	-	50	50
7	BTECIOT604	Embedded Systems with Raspberry pi and Arduino	0	0	2	1	0	0	0	60	40	100
TOTAL			15	3	8	24	300	100	100	150	150	800
Legend: L - Lecture; T - Tutorial; P - Guided Self Learning												

Legends: L - Lecture ; T - Tutorial/Teacher Guided Student Activity ; P - Practical ;

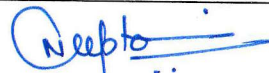
\*Teacher Assessment shall be based on following components: Quiz/Assignment/Project/Participation in Class, given that no component shall exceed more than 10 marks.

\* Students have to compulsorily opt MOOCs course of two credit from Swayam Portal

S. No.	Course Code	Elective II
1	BTEC515	Data Communication and Computer Networks
2	BTRA613	Neural Networks and Fuzzy Logic
3	BTEC624	Advanced Microcontrollers



**Chairperson**  
Board of Studies  
Shri Vaishnav Vidyapeeth  
Vishwavidyalaya, Indore



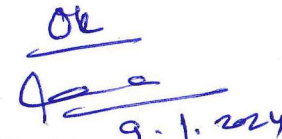
**Chairperson**  
Faculty of Studies  
Shri Vaishnav Vidyapeeth  
Vishwavidyalaya, Indore



**Controller of Examinations**  
Shri Vaishnav Vidyapeeth  
Vishwavidyalaya, Indore



**Joint Registrar**  
Shri Vaishnav Vidyapeeth  
Vishwavidyalaya, Indore

  
9.1.2024

**Vice Chancellor**  
Shri Vaishnav Vidyapeeth  
Vishwavidyalaya, Indore