



**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**

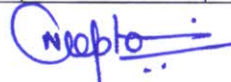
**SEMESTER-V (2021-2025)**

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 Asses-ment* (20%)	End Sem University Exam (60%)	Teachers Asses-ment* (40%)	
1	BTMT501	Applied Hydraulics and Pneumatics	3	0	2	4	60	20	20	30	20	150
2	BTMT611	Robotics and Automation	3	0	2	4	60	20	20	30	20	150
3	BTEE503	Control system Engineering	2	1	2	4	60	20	20	30	20	150
4	BTME510	Design Thinking and Innovation	2	0	0	2	60	20	20	0	0	100
5	-	Elective I	3	1	2	5	60	20	20	30	20	150
6	-	MOOCS II(Generic)	-	-	-	2	-	-	-	-	50	50
7	BTMT503	Minor Project	0	0	2	1	0	0	0	30	20	50
8	BTEC507	Programming in Python	0	0	2	1	0	0	0	30	20	50
<b>TOTAL</b>			<b>13</b>	<b>2</b>	<b>12</b>	<b>23</b>	<b>300</b>	<b>100</b>	<b>100</b>	<b>180</b>	<b>170</b>	<b>850</b>

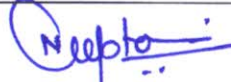
Legends: L - Lecture ; T - Tutorial/Teacher Guided Student Activity ; P - Practical

\*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	BTCS403	Data Structure & Algorithms
3	BTMT511	Automation
4	BTEI511	Instrumentation System Design



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



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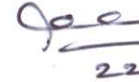


**Controller of Examinations**  
Shri Vaishnav Vidyapeeth  
Vishwavidyalaya, Indore



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





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

22/9/2023