



**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-VI (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 Assess-ment* (20%)	End Sem University Exam (60%)	Teachers Assess-ment* (40%)	
1	BTRA501	Robotic Engineering	3	0	0	3	60	20	20	0	0	100
2	BTMT602	Mechatronics System Design	3	0	2	4	60	20	20	30	20	150
3	BTRA512	Industrial Automation	3	1	2	5	60	20	20	30	20	150
4	BTMEMT610	CNC Machining Technology	3	0	2	4	60	20	20	30	20	150
5	-	Elective II	3	1	2	5	60	20	20	30	20	150
6	-	Moocs	-	-	-	2	-	-	-	-	50	50
7	BTMEMT612	CAD Modeling and Mechanism Lab	0	0	2	1	0	0	0	30	20	50
TOTAL			15	2	10	24	300	100	100	150	150	800

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	BTMEMT611	Thermodynamics Principles and Applications
2	BTEC515	Data Communications Computer Networks
3	BTEI603	Process Control Engineering

*Signature*  
10/11/26

*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