



**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-IV (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	BTEI401	Microprocessor and Microcontroller	3	1	2	5	60	20	20	30	20	150
2	BTECIOT501	Communication Systems	3	0	2	4	60	20	20	30	20	150
4	BTME401	Fluid Mechanics	3	0	2	4	60	20	20	30	20	150
4	BTME402	Theory of Machines	3	1	2	5	60	20	20	30	20	150
5	ML307	Environmental Management and Sustainability	4	0	0	4	60	20	20	0	0	100
6	-	Moocs	-	-	-	2	-	-	-	-	50	50
7	BTEC405	Programming with Arduino	0	0	4	2	0	0	0	30	20	50
TOTAL			16	2	12	26	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**

**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

**Registrar**  
Shri Vaishnav Vidyapeeth  
Vishwavidyalaya, Indore

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