



**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 EC/ EE/ EX**

**SEMESTER IV (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 Assess- ment* (20%)	End Sem University Exam (60%)	Teachers Assess- ment* (40%)			
1	BTEI401	Microprocessor and Microcontroller	3	0	2	4	60	20	20	30	20	150		
2	BTECIOT501	Communication Systems	3	0	2	4	60	20	20	30	20	150		
3	ML307	Environmental Management and Sustainability	4	0	0	4	60	20	20	0	0	100		
4	BTCS306M	Fundamentals of Data Structures	3	0	2	4	60	20	20	30	20	150		
5	BTEE404	Electromagnetic Field Theory	3	1	0	4	60	20	20	0	0	100		
6	-	Moocs	-	-	-	2	-	-	-	-	50	50		
7	BTEC405	Programming with Arduino	0	0	2	1	0	0	0	30	20	50		
<b>TOTAL</b>			<b>16</b>	<b>1</b>	<b>8</b>	<b>23</b>	<b>300</b>	<b>100</b>	<b>100</b>	<b>120</b>	<b>130</b>	<b>750</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.**

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

*Chairperson  
6/1/2026  
Neeta*  
Chairperson  
Board of Studies  
Shri Vaishnav Vidyapeeth  
Vishwavidyalaya, Indore

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

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

*Ab*  
Registrar  
Shri Vaishnav Vidyapeeth  
Vishwavidyalaya, Indore

*Shyam*  
Vice Chancellor  
Shri Vaishnav Vidyapeeth  
Vishwavidyalaya, Indore