



# Shri Vaishnav Vidyapeeth Vishwavidyalaya, Indore

Shri Vaishnav Institute of Technology & Science, Indore

Choice Based Credit System (CBCS) Scheme

B.Tech. (Mechatronics)

VII - SEMESTER

(2018-2022)

S. No.	Subject Code	Name of Subject	Course Code	Teaching Scheme/week			Examination Scheme					Total Marks	CREDITS
				L	T	P	Theory			Practical			
							End Sem University Exam	Two Term Exam	Teachers Assessment*	End Sem University Exam	Teachers Assessment*		
1	BTMEMT709	Design of Machine Elements		3	1	2	60	20	20	30	20	150	5
2	BBAI501	Human Values and Professional Ethics		4	0	0	60	20	20	0	0	100	4
3	BTMT703	System Modeling		3	0	2	60	20	20	30	20	150	4
4	BTEI702 BTMT711 BTMT712	Elective-I		3	0	0	60	20	20	0	0	100	3
5	BTMT721 BTEI723 BTEI721	Elective-II		2	1	2	60	20	20	30	20	150	4
6	BTMT704	Major Project		0	0	8	0	0	0	90	60	150	4
<b>TOTAL</b>				15	2	14	300	100	100	180	120	800	24

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

\*Students are advised to take online moocs courses of 2 credits.

Elective-I	MEMS and NEMS (BTEI702)
	Robotronics (BTMT711)
	Spintronics and Nanoelectronics (BTMT712)

Elective-II	Automotive Electronics (BTMT721)
	Automated Control System (BTEI723)
	Process Dynamics and Control (BTEI721)

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

**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

**Registrar**  
 Shri Vaishnav Vidyapeeth  
 Vishwavidyalaya, Indore