



Shri Vaishnav Vidyapeeth Vishwavidyalaya
Shri Vaishnav Institute of Technology and Science
Choice Based Credit System (CBCS) Scheme in the light of NEP-2020
M.Tech. (Robotics & Automation)

SEMESTER-I (2024-2026)

SEMESTER-I (2024-2026)												
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	MBAI301C	Advanced Human Values and Professional Ethics	3	0	0	3	60	20	20	0	0	100
2	MTMAN101	Advanced Mathematics	3	0	0	3	60	20	20	0	0	100
3	MTRA101	Fundamentals of Robotics	3	0	2	4	60	20	20	30	20	150
4	MTRA102	VFD and HMI Programming	3	0	4	5	60	20	20	30	20	150
5	-	Elective I	3	0	0	3	60	20	20	0	0	100
6	-	Generic Elective	3	0	0	3	60	20	20	0	0	100
7	MTRA104	PLC Lab	0	0	4	2	0	0	0	30	20	50
8	MTRA105	Comprehensive Viva	0	0	2	1	0	0	0	30	20	50
TOTAL			15	0	10	21	360	120	120	120	80	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.

Elective I

S. No.	Course Code	Course Name
1	MTES113	Cryptography and Network Security
2	MTRA123	Industrial Process Automation
3	MTRA133	Digital Manufacturing

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