



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 Mechanical Engineering Specialization in Digital Manufacturing using AI and Cyber Physical System in Collaboration with
L&T Edutech

SEMESTER - I (2026 -2030)

Sr. 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	BTMELT101	Digital Enablement Basics for Engineers	2	0	2	3	60	20	20	0	50	150
2	BTMA101N	Mathematics I	3	1	0	4	60	20	20	0	0	100
3	BTME101	Engineering Drawing	2	0	2	3	60	20	20	30	20	150
4	BTEE106	Fundamentals of Electrical and Electronics Engineering	3	0	2	4	60	20	20	30	20	150
5	BTME202	Materials Science and Engineering	3	0	0	3	60	20	20	0	0	100
5	HUCS101	Communication Skills	1	0	2	2	60	20	20	0	20	120
6	BTCS101	Computer Programming I	0	0	2	1	0	0	0	30	20	50
TOTAL			14	1	10	20	360	120	120	90	130	820

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 are advised to earn atleast 02 credits in MOOCs for the award of degree

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

Dean Academic
Shri Vaishnav Vidyapeeth
Vishwavidyalaya, Indore

Vice Chancellor
Shri Vaishnav Vidyapeeth
Vishwavidyalaya, Indore