Shri Vaishnav Vidyapeeth Vishwavidyalaya, Indore

Shri Vaishnav Institute of Information Technology

Choice Based Credit System (CBCS) Scheme in the light of NEP-2020

B.Tech CSE with Specializaion in Quantum Computing (in association with IBM)

SEMESTER - V (2026-2030)

S. No.	Course Code	Course Name	Teaching			Credits	Examination Scheme					Total Marks
							Theory			Practical		
			L	T	P		End Sem University Exam (60%)	Two Term Exam (20%)	Teachers Assessment* (20%)	End Sem University Exam (60%)	Teachers Assessment* (40%)	
1	BTCS501N	Theory of Computation	3	1	0	4	60	20	20	0	0	100
2	BTIBMQ501	Introduction to Quantum Computation	3	1	2	5	60	20	20	30	20	150
3	BTCS503M	Network Security and Cryptography	3	0	2	4	60	20	20	30	20	150
4	BTDSE	Discipline Specific Elective III	3	0	2	4	60	20	20	30	20	150
5	BTIT411	Java Full Stack II	0	0	2	1	0	0	0	30	20	50
6	BTDSE	Discipline Specific Elective IV	0	0	0	3	0	0	0	0	50	50
						0						
	Total		**12**	**2**	**8**	**21**	**240**	**80**	**80**	**120**	**130**	**650**

Discipline Specific Elective III	
BTDSE511M	Image Processing
BTDSE512N	Software Testing and Quality Assurance
BTDSE513N	Next Generation Telecommunication Networks

Discipline Specific Elective IV
Discipline Specific MOOC

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.

** Teaching scheme and code is available in the basket provided by the University.

Chair Person	Chair Person	Controller of Examinations	Registrar	Dean Academic	Vice Chancellor
Board of Studies	Faculty of Studies				
Shri Vaishnav Vidyapeeth	Shri Vaishnav Vidyapeeth	Shri Vaishnav Vidyapeeth	Shri Vaishnav Vidyapeeth	Shri Vaishnav Vidyapeeth	Shri Vaishnav Vidyapeeth
Vishwavidyalaya, Indore	Vishwavidyalaya, Indore	Vishwavidyalaya, Indore	Vishwavidyalaya, Indore	Vishwavidyalaya, Indore	Vishwavidyalaya, Indore