

Curriculum Structure for UG Information Technology (applicable for batch entered into 2023-24)

F.Y. B.Tech. IT AY 2023-24 onwards																
Sr. No.	Sem	NEP Category	NEP Category	Code	Course Name	L	T	P	Hr	Cr	MSE/LA1	ISE/LA2	ESE	OE	POE	
1	1	Basic Science Course	BSC	7MA101	Engineering Mathematics - I	3	1	0	4	4	30	20	50			
2	1	Basic Science Course	BSC	7CH103	Engineering Chemistry	3	0	0	3	3	30	20	50			
3	1	Engineering Science Course	ESC	7ME108	Engineering Graphics	1	0	2	3	2	30	20	50			
4	1	Engineering Science Course	ESC	7EE106	Electrical & Electronics Engineering	3	0	0	3	3	30	20	50			
5	1	Basic Science Course	BSC	7CH155	Engineering Chemistry Lab	0	0	2	2	1	30	30	40			
6	1	Engineering Science Course	ESC	7CS108	Computer Programming	2	0	2	4	3	30	30	40			
7	1	Engineering Science Course	ESC	7EE156	Electrical & Electronics Engineering Lab	0	0	2	2	1	30	30	40			
8	1	Professional Core Course	PCC	7IT101	IT Fundamentals	3	0	0	3	3	30	20	50			
9	1	Professional Core Course	PCC	7IT151	IT Fundamentals Lab	0	0	2	2	1	30	30	40			
10	1	Vocational Skill Enhancement Co	VSEC	7VS152	Engineering Skills - II	0	0	2	2	1	30	30	40			
Total						15	1	12	28	22						
S.Y. B.Tech. IT AY 2024-25 onwards																
Sr. No.	Sem	NEP Category	NEP Category	Code	Course Name	L	T	P	Hr	Cr	MSE/LA1	ISE/LA2	ESE	OE	POE	
11	2	Basic Science Course	BSC	7MA104	Engineering Mathematics - II	3	1	0	4	4	30	20	50			
12	2	Basic Science Course	BSC	7PH103	Engineering Physics	3	0	0	3	3	30	20	50			
13	2	Engineering Science Course	ESC	7AM104	Engineering Mechanics	2	0	0	2	2	30	20	50			
14	2	Engineering Science Course	ESC	7CM106	Civil & Mechanical Engineering	3	0	0	3	3	30	20	50			
15	2	Ability Enhancement Course	AEC	7HS101	Communication & Generic Skills	1	0	2	3	2	30	20	50			
16	2	Basic Science Course	BSC	7PH155	Engineering Physics Lab	0	0	2	2	1	30	30	40			
17	2	Vocational Skill Enhancement Co	ESC	7AM155	Engineering Mechanics Lab	0	0	2	2	1	30	30	40			
18	2	Engineering Science Course	ESC	7CM156	Civil & Mechanical Engineering Lab	0	0	2	2	1	30	30	40			
19	2	Professional Core Course	PCC	7IT102	Web Technology	3	0	0	3	3	30	20	50			
20	2	Professional Core Course	PCC	7IT152	Web Technology Lab	0	0	2	2	1	30	30	40			
21	2	Vocational Skill Enhancement Co	VSEC	7VS151	Engineering Skills - I	0	0	2	2	1	30	30	40			
Total						15	1	12	28	22						
												30	30	40		
Sr. No.	Sem	NEP Category	NEP Category	Code	Course Name	L	T	P	Hr	Cr	MSE/LA1	ISE/LA2	ESE	OE	POE	
1	3	Basic Science Course	BSC	7MA206	Discrete Mathematics	3	0	0	3	3	30	20	50			
2	3	Indian Knowledge System	IKS	Refer List	IKS Elective	2	0	0	2	2	30	20	50			
3	3	Ability Enhancement Course	AEC	7AE201	Understanding Incubation and Entrepreneurship	3	0	0	3	3	30	20	50			
4	3	Professional Core Course	PCC	7IT201	Data Structures	3	0	0	3	3	30	20	50			
5	3	Professional Core Course	PCC	7IT202	Computer Network	2	0	0	2	2	30	20	50			
6	3	Professional Core Course	PCC	7IT203	Computer Architectures and Microprocessor	3	0	0	3	3	30	20	50			
7	3	Professional Core Course	PCC	7IT251	Data Structures Lab	0	0	2	2	1	30	30	40		POE	
8	3	Professional Core Course	PCC	7IT252	Computer Network Lab	0	0	2	2	1	30	30	40		POE	
9	3	Professional Core Course	PCC	7IT253	Python Programming Lab	1	0	2	3	2	30	30	40			
10	3	Professional Core Course	PCC	7IT254	OOP-I (CPP Programming) Lab	1	0	2	3	2	30	30	40		POE	
Total						18	0	8	26	22						
Sr. No.	Sem	NEP Category	NEP Category	Code	Course Name	L	T	P	Hr	Cr	MSE/LA1	ISE/LA2	ESE	OE	POE	
11	4	Entrepreneurship/Economics/	EEM	7EE201	Employability Skills	2	0	0	2	2	30	20	50			
12	4	Value Education Course	VEC	7VE201	Values Education	2	0	0	2	2	30	20	50			
13	4	Professional Core Course	PCC	7IT221	Fuzzy Set and Statistics	3	0	0	3	3	30	20	50			
14	4	Professional Core Course	PCC	7IT222	Software Engineering	2	0	0	2	2	30	20	50			
15	4	Professional Core Course	PCC	7IT223	Operating System	3	0	0	3	3	30	20	50			

72	B	Professional Core Course	PCC	7IT471	Open Source Software Lab	1	0	2	3	2	30	30	40		POE
73	B	Professional Core Course	PCC	7IT472	Data Mining Lab	0	0	2	2	1	30	30	40		POE
#REF!	B	Community Engagement Project	CEP/FP	7CEIT421	Project Management and Technical Writing	1	0	0	1	1	30	30	40		
#REF!	B	Research Project	PROJECT	7IT491	Project	0	0	10	10	5	30	30	40	OE	
		Total				11	0	14	25	23					
										174					