

JES					
4 year BTech New Approved Curricula for Computer Science Engineering wef 2007-11 batch					
BTech I semester (B1)					
SN	Sub Code	Subject	Contact hours	Credits	Remarks
1	PD	Professional Dev – I	3	3	
2	MA	Mathematics-I	4	4	
3	PH	Physics-I	4	4	
4	EC	Electrical Circuit Analysis	4	4	
5	CS	Introduction to Computers and Programming	4	4	
6	PH	Physics Lab-I	2	1	
7	EC	Electrical Circuits Lab	2	1	
8	CS	Computer Programming Lab	4	2	
9		Institutional Orientation	2	0	
		Total	29	23	
JES					
4 year BTech New Approved Curricula for Computer Science Engineering wef 2007-11 batch					
BTech II semester (B2)					
SN	Sub Code	Subject	Contact hours	Credits	Remarks
1	PD	Professional Dev – II	3	3	
2	MA	Mathematics-II	4	4	
3	PH	Physics-II	4	4	
4	EC	Basic Electronic Devices and Circuits	4	4	
5	CS	Data Structures	4	4	
6	PH	Physics Lab-II	2	1	
7	EC	Basic Electronics Lab	2	1	
8	CS	Data Structures and Computer Programming Lab	4	2	
9	CS	Departmental Orientation	2	0	
		Total	29	23	
JES					
4 year BTech New Approved Curricula for Computer Science Engineering wef 2007-11 batch					
BTech III semester (B3)					
SN	Sub Code	Subject	Contact hours	Credits	Remarks
1	PD	Professional Dev – III	3	3	
2	MA	Mathematics-III	4	4	
3	EC	Digital Electronics	4	4	
4	CS	Object Oriented Programming	4	4	
5	CS	Database Systems	4	4	
6	EC	Digital Electronics Lab	2	1	
7	CS	Object Oriented Programming Lab	2	1	
8	CS	Database Systems Lab	2	1	
9	CS	Unix Programming Lab	2	1	

		Total	27	23	
4 year BTech New Approved Curricula for Computer Science Engineering wef 2007-11 batch					
BTech IV semester (B4)					
SN	Sub Code	Subject	Contact hours	Credits	Remarks
1	PD	Professional Dev – IV	3	3	
2	MA	Mathematics-IV	4	4	
3	EC	Signals and Systems	4	4	
4	CS	Microprocessors and Controllers	4	4	
5	CS	Fundamentals of Algorithms	4	4	
6	EC	Signals and Systems Lab	2	1	
7	CS	Microprocessors and Controllers Lab	2	1	
8	CS	Algorithms Lab	2	1	
9	IT	Multimedia Development Lab I	2	1	
		Environmental Studies	3	3	
		Total	30	26	
JES					
4 year BTech New Approved Curricula for Computer Science Engineering wef 2007-11 batch					
BTech V semester (B5)					
SN	Sub Code	Subject	Contact hours	Credits	Remarks
1	PD	Professional Dev – V	3	3	
2	EC	Communication Systems	4	4	
3	CS	Operating Systems	4	4	
4	CS	Software Engineering	4	4	
5	CS	Theory of Computation	4	4	
6	EC	Communication Systems Lab	2	1	
7	CS	Operating Systems Lab	2	1	
8	CS	Software Engineering Lab	2	1	
9	IT	Web Technology Lab	2	1	
10	CS	Software Testing and Debugging	4	4	
11	CS	Software Testing and Debugging Lab	2	1	
		Total	33	28	
JES					
4 year BTech New Approved Curricula for Computer Science Engineering wef 2007-11 batch					
BTech VI semester (B6)					
SN	Sub Code	Subject	Contact hours	Credits	Remarks
1	PD	Professional Dev – VI	3	3	
2	CS	Computer Networks	4	4	
3	CS	Compiler Design	4	4	
4	CS	Computer Organisation and Architecture	4	4	
5	PH	Material Science	4	4	
6	CS	Computer Networks Lab	2	1	

7	CS	Compiler Design Lab	2	1	
9	CS	System and Network Programming Lab	4	2	
10	IT	Computer Graphics	4	4	
11	IT	Computer Graphics Lab	2	1	
		Total	31	28	

JES					
4 year BTech New Approved Curricula for Computer Science Engineering wef 2007-11 batch					
BTech VII semester (B7)					
SN	Sub Code	Subject	Contact hours	Credits	Remarks
1	PD	Professional Dev – VII	3	3	
2		DE-I	3	3	
3		DE-II	3	3	
4		DE-III	3	3	
5	CS	Project Part I	20	10	
		Total	32	22	
List of Electives (To be updated from time to time)					
1	MA	Abstract Algebra			
2	CS	Artificial Intellegence			
3	PH	Astrophysics			
4	BT	Biosciences			
5	CS	Computer Graphics			
6	CS	Design of Database Sytems			
7	EC	Digital Signal Processing			
8	MA	Game Theory			
9	PH	General Theory of Relativity			
10	CS	Graph Algorithms and Applications			
11	MA	Graph Theory			
12	EC	Information Theory and Applications			
13	IT	Learning Sciences and Technology			
14	CS	Multi-Dimensional Data Structures			
15	PH	Nano Science and Technology			
16	CS	Network Programming			
17	MA	Numerical Analysis			
18	CS	Principles of Programming Languages			
19	IT	Research Methodology			

20	CS	Soft Computing			
21	CS	Software Engineering Management			
JES					
4 year BTech New Approved Curricula for Computer Science Engineering wef 2007-11 batch					
BTech VIII semester (B8)					
SN	Sub Code	Subject	Contact hours	Credits	Remarks
1	PD	Professional Dev – VIII	3	3	
2		DE-IV	3	3	
3		DE-V	3	3	
4		DE-VI	3	3	
5	CS	Project Part II	20	10	
		Total	32	22	
List of Electives					
(To be updated from time to time)					
1	MA	Algebraic Number Theory			
2	BT	Bio-informatics			
3	IT	Computer Games			
4	IT	Cryptography and Network Security			
5	CS	Design of Algorithms			
6	CS	Embedded Systems			
7	IT	Human Aspects for Information Technology			
8	CS	Image Processing			
9	IT	Information Retrieval and Data Mining			
10	MA	Integral Transforms			
11	EC	Mobile Communications			
12	IT	Network Management			
13	MA	Operation Research			
14	CS	Parallel Processing			
15	MA	Partial Differential Equations			
16	PH	Quantum Computing			
17	PH	Special Theory of Relativity			
18	CS	Systems Programming			
		Credit Summary	Credits		
		Sem1	23		
		Sem2	23		
		Sem3	23		
		Sem4	26		
		Sem5	28		
		Sem6	28		
		Sem7	22		
		Sem8	22		
		Total	195		