		JES			
4 ve	ar BTec	h New Approved Curricula for Informatio	n Technolog	ıv wef 201	7-18 batch
. , ,		BTech I semester (B1)		,,	1 10 20101
SN	Sub		Contact		
	Code	Subject	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	4	4	
		Programming	·	-	
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			
1 ve	ar BTec	h New Approved Curricula for Informatio	n Technolog	ıv wef 201	7-18 hatc
. , .	1	BTech II semester (B2)		jy WO: 201	i io bato
SN	Sub	Broom modification (B2)	Contact		
011	Code	Subject	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	
_			4	4	
5		n raia .3000 DDES			
5	CS PH	Data Structures Physics Lab-II	•		
6	PH	Physics Lab-II	2	1	
6 7	PH EC	Physics Lab-II Basic Electronics Lab	•		
6	PH	Physics Lab-II Basic Electronics Lab Data Structures and Computer	2 2	1	
6 7 8	PH EC CS	Physics Lab-II Basic Electronics Lab Data Structures and Computer Programming Lab	2 2	1 1 2	
6 7	PH EC	Physics Lab-II Basic Electronics Lab Data Structures and Computer	2 2	1	
6 7 8	PH EC CS	Physics Lab-II Basic Electronics Lab Data Structures and Computer Programming Lab Departmental Orientation	2 2 4 2	1 1 2 0	
6 7 8	PH EC CS	Physics Lab-II Basic Electronics Lab Data Structures and Computer Programming Lab Departmental Orientation Total	2 2	1 1 2	
6 7 8 9	PH EC CS IT	Physics Lab-II Basic Electronics Lab Data Structures and Computer Programming Lab Departmental Orientation Total JES	2 2 4 2 29	1 1 2 0	
6 7 8 9	PH EC CS IT	Physics Lab-II Basic Electronics Lab Data Structures and Computer Programming Lab Departmental Orientation Total	2 2 4 2 29	1 1 2 0	7-18 batc
6 7 8 9	PH EC CS IT	Physics Lab-II Basic Electronics Lab Data Structures and Computer Programming Lab Departmental Orientation Total JES New Approved Curricula for Information	2 2 4 2 29	1 1 2 0	7-18 batc
6 7 8 9	PH EC CS IT	Physics Lab-II Basic Electronics Lab Data Structures and Computer Programming Lab Departmental Orientation Total JES New Approved Curricula for Information	2 2 4 2 29	1 1 2 0	7-18 batc
6 7 8 9	PH EC CS IT	Physics Lab-II Basic Electronics Lab Data Structures and Computer Programming Lab Departmental Orientation Total JES New Approved Curricula for Information	2 2 4 2 2 9 on Technolog	1 1 2 0	7-18 batc
6 7 8 9	PH EC CS IT ear BTec	Physics Lab-II Basic Electronics Lab Data Structures and Computer Programming Lab Departmental Orientation Total JES New Approved Curricula for Information BTech III semester (B3)	2 2 4 2 29 on Technolog	1 1 2 0 23 gy wef 201	
6 7 8 9	PH EC CS IT ear BTec Sub Code	Physics Lab-II Basic Electronics Lab Data Structures and Computer Programming Lab Departmental Orientation Total JES New Approved Curricula for Information BTech III semester (B3) Subject	2 2 4 2 29 con Technolog Contact hours	1 1 2 0 23 23 Credits	
6 7 8 9 9 SN	PH EC CS IT Par BTec Sub Code	Physics Lab-II Basic Electronics Lab Data Structures and Computer Programming Lab Departmental Orientation Total JES New Approved Curricula for Information BTech III semester (B3) Subject Professional Dev – III	2 2 4 2 29 29 Contact hours 3	1 1 2 0 23 23 Credits	
6 7 8 9 SN 1 2	PH EC CS IT PD MA	Physics Lab-II Basic Electronics Lab Data Structures and Computer Programming Lab Departmental Orientation Total JES h New Approved Curricula for Information BTech III semester (B3) Subject Professional Dev – III Mathematics-III Digital Electronics	2 2 4 2 29 29 Contact hours 3 4	1 1 2 0 23 23 Credits 3 4	
6 7 8 9 4 yee	PH EC CS IT PD MA EC	Physics Lab-II Basic Electronics Lab Data Structures and Computer Programming Lab Departmental Orientation Total JES h New Approved Curricula for Information BTech III semester (B3) Subject Professional Dev – III Mathematics-III Digital Electronics Object Oriented Programming	2 2 4 2 29 29 Contact hours 3 4 4	1 1 2 0 23 23 Credits 3 4 4	
6 7 8 9 SN 1 2 3 4 5	PH EC CS IT Sub Code PD MA EC CS	Physics Lab-II Basic Electronics Lab Data Structures and Computer Programming Lab Departmental Orientation Total JES New Approved Curricula for Information BTech III semester (B3) Subject Professional Dev – III Mathematics-III Digital Electronics Object Oriented Programming Database Systems	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1 1 2 0 23 23 Credits 3 4 4 4	
9 4 ye 5N 1 2 3 4	PH EC CS IIT Sub Code PD MA EC CS CS EC	Physics Lab-II Basic Electronics Lab Data Structures and Computer Programming Lab Departmental Orientation Total JES New Approved Curricula for Information BTech III semester (B3) Subject Professional Dev – III Mathematics-III Digital Electronics Object Oriented Programming Database Systems Digital Electronics Lab	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1 1 2 0 23 23 23 Credits 3 4 4 4 4 4	
6 7 8 9 SN 1 2 3 4 5 6	PH EC CS IT Sub Code PD MA EC CS EC CS EC CS	Physics Lab-II Basic Electronics Lab Data Structures and Computer Programming Lab Departmental Orientation Total JES New Approved Curricula for Information BTech III semester (B3) Subject Professional Dev – III Mathematics-III Digital Electronics Object Oriented Programming Database Systems Digital Electronics Lab Object Oriented Programming Lab	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1 1 2 0 23 23 23 Credits 3 4 4 4 4 4 1	
6 7 8 9 4 ye 5 1 2 3 4 5 6 7	PH EC CS IIT Sub Code PD MA EC CS CS EC	Physics Lab-II Basic Electronics Lab Data Structures and Computer Programming Lab Departmental Orientation Total JES New Approved Curricula for Information BTech III semester (B3) Subject Professional Dev – III Mathematics-III Digital Electronics Object Oriented Programming Database Systems Digital Electronics Lab Object Oriented Programming Lab Database Systems Lab	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1 1 2 0 23 23 Credits 3 4 4 4 4 1 1	
6 7 8 9 4 ye SN 1 2 3 4 5 6 7 8	PH EC CS IT Sub Code PD MA EC CS CS EC CS CS	Physics Lab-II Basic Electronics Lab Data Structures and Computer Programming Lab Departmental Orientation Total JES New Approved Curricula for Information BTech III semester (B3) Subject Professional Dev – III Mathematics-III Digital Electronics Object Oriented Programming Database Systems Digital Electronics Lab Object Oriented Programming Lab	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1 1 2 0 23 23 23 Credits 3 4 4 4 4 1 1 1	

		JES			
4 ye	ar Biec	h New Approved Curricula for Informa BTech IV semester (B4		y wet 201	7-18 batch
		,	,		
SN	Sub		Contact		
	Code	Subject	hours	Credits	Remarks
1	PD	Professional Dev – IV	3	3	
	MA	Mathematics-IV	4	4	
3	EC	Signals and Systems	4	4	
	IT	Computer Organisation	4	4	
5	CS	Fundamentals of Algorithms	4	4	
6	EC	Signals and Systems Lab	2	1	
7	CS	Computer Organisation Lab	2	1	
8	CS	Algorithms Lab	2	1	
9	IT	Multimedia Development Lab I	2	1	
10	Civ	Environmental Studies	3	3	
		Total	30	26	
		JES			
4 ye	ar BTec	h New Approved Curricula for Informa		y wef 201	7-18 batc
		BTech V semester (B5	5)		
SN	Sub		Contact		_
	Code	Subject	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	•		
5	EC	Communication Systems Lab Operating Systems Lab	2 2	1	
7	CS CS	Software Engineering Lab	2	1	
8	IT	Web Technology Lab	2	1	
9	IT	DE-I	3	3	
	IT	Project Part-I	6	3	
10	11	Total	32	25	
		Total	32	23	
		JES			
		020			
4 ve	ar BTec	h New Approved Curricula for Informa	tion Technolog	ıv wef 201	7-18 batc
. , -		BTech VI semester (B6		,,	1
SN	Sub		Contact		
	Code	Subject	hours	Credits	Remarks
1	PD	Professional Dev – VI	3	3	
2	CS	Computer Networks	4	4	
4	IT	Data Mining	4	4	
5	CS	Computer Networks Lab	2	1	
7	IT	Multimedia Development Lab II	2	1	
8	IT	Data Mining Lab	2	1	
U	IT	Computer Graphics	4	4	
2					
	IT	Computer Graphics Lab	2	1	
2		Computer Graphics Lab DE-II	3	1 3 3	

		Total	32	25	
		JES			
4 vo	ar BToc	h New Approved Curricula for Informatio	n Tachnalac	w wof 201	7-19 hatch
4 ye	ai biec	BTech VII semester (B7)	ii reciiiloloç	jy Wei Zui	7-10 Daten
		(=-)			
SN	Sub		Contact		
	Code	Subject	hours	Credits	Remarks
1	PD	Professional Dev – VII	3	3	
2	CS	Software Testing and Debugging	4	4	
3	CS	Software Testing and Debugging Lab	2	1	
4	IT	Web Application Engineering	4	4	
5	IT	DE-III	3	3	
6	IT	DE-IV	3	3	
7	IT	Project Part I	14	7	
		Total	33	25	

		JES			
4 ve	ar BTec	h New Approved Curricula for Information ⁻	Technolog	ıv wef 201	7-18 batc
. , ∪	1	BTech VIII semester (B8)	90111100	jy WO. 201	1 10 5010
SN	Sub		Contact		
	Code	Subject	hours	Credits	Remark
1	PD	Professional Dev – VIII	3	3	
2	IT	Information Systems	4	4	
3	IT	Information Systems Lab	2	1	
4	PH	Material Science	4	4	
5	IT	DE-V	3	3	
6	IT	DE-VI	3	3	
7	IT	Project Part II	14	7	
		Total	33	25	
		List of Electives			
		(To be updated from time to time)			
		<u></u>			
1_	MA	Algebraic Number Theory			ļ
2	BT	Bio-informatics			
3	IT	Computer Games			
4	IT	Cryptography and Network Security			
5	IT	E-commerce			
6	IT	Geographic Information Systems			
7	IT	Human Aspects for Information Technology			
8	CS	Image Processing			
9	MA	Integral Transforms			
10	IT	Learning Sciences and Technology			
11	EC	Mobile Communications			
12	IT	Multimedia Content Creation			
13	MA	Operation Research			
14	MA	Partial Differential Equations			
15	PH	Quantum Computing			
16	PH	Special Theory of Relativity			
17	CS	Systems Programming			
18	MA	Abstract Algebra			
19	CS	Artificial Intelligence			
20	PH	Astrophysics			
21	BT	Biosciences			
22	IT	Computer Animation			
23	CS	Computer Graphics			
24	CS	Design of Database Sytems			<u> </u>
25	IT	Enterprise Application Development			
26	MA	Game Theory			<u> </u>
27	PH	General Theory of Relativity			
28	MA	Graph Theory			
29	IT	Human Computer Interaction			
30	CS	Multi-Dimensional Data Structures			<u> </u>
31	PH	Nano Science and Technology			
32	CS	Network Programming			
33	MA	Numerical Analysis			
34	IT	Research Methodology			
35	CS	Software Engineering Management			

Credit Summary	Credits	
Sem1	23	
Sem2	23	
Sem3	23	
Sem4	26	
Sem5	25	
Sem6	25	
Sem7	25	
Sem8	25	
Total	195	