		OURSE STRUCTU Bas	URE - To b ed on CBC	ECHNOLOGY- MESR e effective from acaden S & OBE model for M Tech (Informati	nic session 20			
SEMES TER / Session	Course Level	Category of Course	Course Code		Mode of delivery & credits L-Lecture; T-Tutorial; P- Practicals			<b>Total</b> <b>Credits</b> <i>C-Credits</i>
of Study (Recom mended)					L(Period s/week)	T(Period s/week)	P (Periods/ week)	C
		1	-	THEORY		r	-	1
FIRST / Monsoo n	Fifth	Programme Core (PC)	CS501	Mathematical Foundations of Computer Science	3	0	0	3
			CS502	Advanced Data Structures	3	0	0	3
			IT502	Fundamentals of Information Security	3	0	0	3
		Programme Elective (PE)	**	PE 1	3	0	0	3
			**	PE 3	3	0	0	3
		Open Elective (OE)	*	OE 1	3	0	0	3
		(OE)		LABORATOR	IES			
	Fifth	Programme	CS503	Advanced Data	0	0	4	2
	1 1101	Core (PC)		Structures Lab				
		Programme	**	PE LAB 1	0	0	4	2
		Elective (PE)	**	PE LAB 3	0	0	4	2
				TOTAL				24
		1_		THEORY		1 -	-	
SECON D/	Fifth	Programme Core (PC)	CS509	Advanced Computer Algorithm	3	0	0	3
Spring			IT514	Cryptography	3	0	0	3
			IT515	Digital Forensics	3	0	0	3
		D	CS602 **	Data Compression	3	0	0	3
		Programme Elective (PE)		PE 2	3	0	0	3
		Open Elective (OE)	*	OE 2	3	0	0	3
				LABORATOR				
	Fifth	Programme Core (PC)	CS51 0	Advanced Computer Algorithm Lab	0	0	4	2
		Programme Elective (PE)	**	PE LAB 2	0	0	4	2
								22
		• 			L FOR FIFT	TH LEVEL		46
		1 -		THEORY		1	1	8
THIRD /Monsoo n	Sixth	ProgrammeCS60Thesis Part ICore (PC)0						
	LABORATORIES							
FOURT	0.1	TOTAL	00.5					8
FOURT H/ Spring	Sixth	Programme CS65 Thesis Part II Core 0 (PC)					16	
opring			1	TOTAL		I	I	16
	1	_ r	FOTAL FO	OR SIXTH LEVEL				24
				I.TECH PROGRAMM	IE (46+24)			70

SEMEST ER / Session of Study (Recomm ended)	Cou rse Lev el	Categ ory of Cour se	Course Code	Courses	Mode of de L-Lecture;	<b>Total</b> <b>Credits</b> <i>C</i> - <i>Credits</i>				
					L (Periods/ week)	T (Periods/w eek)	P (Periods/w eek)	С		
FIRST / Monsoon	5	PE 1	IT504	Applied Cryptography	3	0	0	3		
	5		IT505	Mobile and Wireless security	3	0	0	3		
	5	-	IT506	Multimedia Security	3	0	0	3		
		LABORATORIES								
	5	PE	IT509	Matlab Programming	0	0	4	2		
	5	LAB 1	IT510	Java Programming	0	0	4	2		
SECOND/ Spring	5	PE 2	IT520	Network Security	3	0	0	3		
	5		IT516	Data Mining and Data Analysis	3	0	0	3		
	5		IT518	Internet of Things(IoT)	3	0	0	3		
		LABORATORIES								
	5	PE LAB 2	IT517	Data Mining and Data Analysis Lab	0	0	4	2		
	5		IT519	Internet of Things(IoT) Lab	0	0	4	2		
	5		IT511	R Programming	0	0	4	2		
THIRD / Monsoo n	5	PE 3	IT507	Data Communication and Computer Networks	3	0	0	3		
	6		IT601	Cloud Security	3	0	0	3		
	6		IT602	Cyber Security	3	0	0	3		
		LABORATORIES								
	5	PE LAB 3	IT521	Data Communication and Computer Networks Lab	0	0	4	2		
	6		IT603	Python Programming	0	0	4	2		
	6		IT604	Web App Development Lab	0	0	4	2		

SEMEST ER / Session of Study (Recomm ended)	C ou rs e Le ve l	Catego ry of Course	Course Code	Courses	<b>Mode of delivery &amp; credits</b> <i>L-Lecture; T-Tutorial;P-Practicals</i>			<b>Total</b> <b>Credits</b> <i>C</i> - <i>Credits</i>
					L (Periods/ week)	T (Periods/w eek)	P (Periods/w eek)	С
FIRST / Monsoon	5	OE 1	CS514	Software Metrics	3	0	0	3
	5		CS522	Pattern Recognition and Application	3	0	0	3
	5		IT518	Internet of Things	3	0	0	3
			IT570	Basics of Python Programming	0	1	4	3
	5		IT522	Cyber Security and Digital Forensics	3	0	0	3
SECON D/ Spring	5	OE 2	IT523	Biometric Security	3	0	0	3
	5	-	IT504	Applied Cryptography	3	0	0	3
	5	-	IT524	Image Processing Techniques	3	0	0	3
	5	-	CS524	Soft Computing	3	0	0	3
			IT571	Introduction to R Programming	0	1	4	3
	5	1	CS512	Artificial Intelligence	3	0	0	3
	5		IT516	Data Mining and Data Analysis	3	0	0	3