BIRLA INSTITUTE OF TECHNOLOGY- MESRA, RANCHI
NEW COURSE STRUCTURE - To be effective from academic session 2018- 19
Based on CBCS & OBE model
Recommended scheme of study for M.Tech (Information Security)

SEMESTER / Session of Study (Recommended)	**Course Level**	**Category of Course**	**Course Code**	**Courses**	**Mode of delivery & credits** *L-Lecture; T-Tutorial;P-Practicals*			**Total Credits** *C-Credits*
					L(Periods/week)	*T(Periods/week)*	*P (Periods/ week)*	**C**
	THEORY							
FIRST / Monsoon	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
	LABORATORIES							
	Fifth	Programme Core (PC)	CS503	Advanced Data Structures Lab	0	0	4	2
		Programme Elective (PE)	**	PE LAB 1	0	0	4	2
			**	PE LAB 3	0	0	4	2
		TOTAL						**24**
	THEORY							
SECOND/ Spring	Fifth	Programme Core (PC)	CS509	Advanced Computer Algorithm	3	0	0	3
			IT514	Cryptography	3	0	0	3
			IT515	Digital Forensics	3	0	0	3
			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
	LABORATORIES							
	Fifth	Programme Core (PC)	CS510	Advanced Computer Algorithm Lab	0	0	4	2
		Programme Elective (PE)	**	PE LAB 2	0	0	4	2
								22
TOTAL FOR FIFTH LEVEL								**46**
	THEORY							
THIRD /Monsoon	Sixth	Programme Core (PC)	CS600	Thesis Part I				8
	LABORATORIES							
		TOTAL						**8**
FOURTH/ Spring	Sixth	Programme Core (PC)	CS650	Thesis Part II				16
		TOTAL						**16**
TOTAL FOR SIXTH LEVEL								**24**
GRAND TOTAL FOR M.TECH PROGRAMME (46+24)								**70**