

MODEL SCHEME FOR B. Sc. INFORMATION TECHNOLOGY (HONOURS) FOR 2020 AND ONWARDS

SEM	COURSE CODE	COURSE TITLE	COURSE TYPE	CREDITS			
				LECTURES	PRACTICALS	TUTORIAL	TOTAL
I	BIT120C1	Basics of Information Technology	CORE COURSE (C-1)	4	2	0	6
	BIT120C2	Mathematics For Information Technology	CORE COURSE (C-2)	4	0	2	6
	GE-I*	<i>Mathematics; Physics; Chemistry; Statistics; Electronics, Psychology, Education, Economics; Sociology & Commerce: Business Law</i>	GENERIC ELECTIVE COURSE- (GE-I)	4	2/0	0/2	6
	AECC-II	ENVIRONMENTAL STUDIES	ABILITY ENHANCEMENT COMPULSORY COURSE-II	4	0	0	4
II	BIT220C1	Programming in C	CORE COURSE (C-3)	4	2	0	6
	BIT220C2	Basic Electronics	CORE COURSE (C-4)	4	2	0	6
	GE-II*	<i>Mathematics; Physics; Chemistry; Statistics; Electronics, Psychology, Education; Economics, Sociology & Commerce: Corporate Law</i>	GENERIC ELECTIV E COURSE (GE-II)	4	2/0	0/2	6
	AECC-I	ENGLISHCOMMUNICATION SKILLS	ABILITY ENHANCEMENT COMPULSORY COURSE-I	4	0	0	4
III	BIT320C1	Open Source Tools &Technologies	CORE COURSE (C-5)	4	2	0	6
	BIT320C2	OOPS using C++	CORE COURSE (C-6)	4	2	0	6
	BIT320C3	Data Structure using C	CORE COURSE (C-7)	4	2	0	6
	SEC320S	SKILL ENHANCEMENT COURSE-I (FROM SEC BASKET)	SKILL ENHANCEMENT ELECTIVE COURSE (SEC)	2	2/0	0/2	4
	GE-III*	<i>Mathematics; Physics; Chemistry; Statistics; Electronics, Psychology, Education; Economics, Sociology & Commerce: Management Principles and Applications</i>	GENERIC ELECTIVE COURSE (GE-III)	4	2/0	0/2	6
IV	BIT420C1	Computer Organization &Architecture	CORE COURSE (C-8)	4	2	0	6
	BIT420C2	Data Communication &Computer Networks	CORE COURSE (C-9)	4	2	0	6
	BIT420C3	Software Engineering	CORE COURSE (C-10)	4	2	0	6
	DM420S	COMPULSORYSKILLENHANCEMENT COURSE	DISASTER MANAGEMENT	2	0	2	4
	GE-IV*	<i>Mathematics; Physics; Chemistry; Statistics; Electronics, Psychology, Education; Economics, Sociology & Commerce: Goods & Services Tax (GST)</i>	GENERIC ELECTIVE COURSE (GE-IV)	4	2/0	0/2	6
V	BIT520C1	Database Management Systems	CORE COURSE (C-11)	4	2	0	6
	BIT520C2	Operating System	CORE COURSE (C-12)	4	2	0	6
	BIT520D1A/B	Dot-Net Technologies OR Microprocessor	DISCIPLINE SPECIFIC ELECTIVE COURSE (DSE)-1	4	2	0	6
	BIT520D2A/B	PHP OR Android	DISCIPLINE SPECIFIC ELECTIVE COURSE (DSE)-2	4	2	0	6
VI	BIT620C1	Core Java programming	CORE COURSEC-13	4	2	0	6
	BIT620C2	Project Work & Dissertation	CORE COURSEC-14	4	2	0	6
	BIT620D1A/B	Computer Graphics OR Cloud Computing	DISCIPLINE SPECIFIC ELECTIVE COURSE (DSE)-3	4	2	0	6
	BIT620D2A/B	Numerical Methods OR Unix & Shell Programming	DISCIPLINE SPECIFIC ELECTIVE COURSE (DSE)-4	4	2	0	6
TOTAL CREDITS							148

*N. B. THE GENERIC ELECTIVE OPTED FROM THE DISCIPLINE IN THE 1st SEMESTER SHALL CONTINUE UP TO 4th SEMESTER.

GENERIC ELECTIVE COURSES OF INFORMATION TECHNOLOGY OFFERED FOR OTHER HONOURSP ROGRAMMES:

1st Semester:	Basics of Information Technology
2nd Semester:	Programme in C
3rd Semester:	OOPS using C++
4th Semester:	Software Engineering