

B.Sc. (Information Technology)
Course Curriculum based on Choice Based Credit System (CBCS)

<u>Sem</u>	<u>Course Code</u>	<u>Title of the Course</u>	<u>Marks</u>	<u>Credits (Th/Pr)</u>
I	BITC101A	Programming Fundamentals Using C/C++	75	4
	BITC101B	Practical	25	2
	BITC102A	Discrete Structure	100	6
	ENGAEC01	English Communication or	100	2
	MILAEC01	MIL Communication	100	2
	MATGE01	Mathematics-I	100	6
II	BITC203A	Programming in Java	75	4
	BITC203B	Practical	25	2
	BITC204A	Data Structure	75	4
	BITC204B	Tutorial	25	2
	EVSAEC01	EVS	100	2
	MATGE02	Econometrics	100	6
III	BITC305A	Computer System Architecture	75	4
	BITC305B	Practical	25	2
	BITC306A	Operating System	75	4
	BITC306B	Practical	25	2
	BITC307A	Computer Networks	75	4
	BITC307B	Practical	25	2
	BITSEC01	HTML	50	2
	MATGE03	Cryptography and Network	100	6
IV	BITC408A	Design and Analysis of Algorithm	75	4
	BITC408B	Practical	25	2
	BITC409A	Software Engineering	75	4
	BITC409B	Practical	25	2
	BITC410A	Database Management System	75	4
	BITC410B	Practical	25	2
	BITSEC02	XML	50	2
	BITSEC02B	Practical	100	6
V	BITC511A	Internet Technologies	75	4
	BITC511B	Internet Technologies Lab	25	2
	BITC12A	Artificial Intelligence	75	4
	BITC12B	Artificial Intelligence Lab	25	2
	BITDSEIA	DSE I	75	4
	BITDSEIB	DSE I Lab	25	2
	BITDSE2A	DSE II	75	4
	BITDSE2B	DSE II Lab	25	2
VI	BITC613	Theory of Computation	100	6
	BITC613A	Computer Graphics	75	4
	BITC613B	Computer Graphics Lab	25	2
	BITDSE3A	DSE III	75	4

	<i>BITDSE3B</i>	<i>DSE III Lab</i>	<i>25</i>	<i>2</i>
	<i>BITDSE4A</i>	<i>Dissertation / Project and Viva Voice</i>	<i>75</i>	<i>4</i>
	<i>BITDSE4B</i>	<i>Industrial Visit and Reporting</i>	<i>25</i>	<i>2</i>

- ❖ *1 Credit =15 Learning Hours***
- ❖ *Total Academic Credit of the Programme: 140***
- ❖ *Total Non Academic Credit of the Programme: 1***
- ❖ *Total Credit of the Programme: 141***
- ❖ *Th-Theory, Pr-Practical***