

BACHELOR OF TECHNOLOGY (INFORMATION TECHNOLOGY)

SYLLABUS – SUBJECT CODE & COURSE NAME (8 SEMESTERS)

SEMESTER I

SUBJECT CODE	COURSE NAME
IT101	ENGINEERING MATHEMATICS – I
IT102	ENGINEERING PHYSICS
IT103	BASIC ELECTRICAL ENGINEERING
IT104	ENGINEERING GRAPHICS
IT105	PROGRAMMING IN C
IT106	C PROGRAMMING LAB

SEMESTER II

SUBJECT CODE	COURSE NAME
IT201	ENGINEERING MATHEMATICS – II
IT202	ENGINEERING CHEMISTRY
IT203	BASIC ELECTRONICS
IT204	DATA STRUCTURES
IT205	COMMUNICATION SKILLS
IT206	DATA STRUCTURES LAB

SEMESTER III

SUBJECT CODE	COURSE NAME
IT301	DISCRETE MATHEMATICS
IT302	OBJECT ORIENTED PROGRAMMING (C++)
IT303	COMPUTER ORGANIZATION
IT304	OPERATING SYSTEM
IT305	OOP LAB
IT306	OS LAB

SEMESTER IV

SUBJECT CODE	COURSE NAME
IT401	DESIGN AND ANALYSIS OF ALGORITHMS
IT402	DATABASE MANAGEMENT SYSTEM
IT403	SOFTWARE ENGINEERING
IT404	COMPUTER NETWORKS
IT405	DBMS LAB
IT406	NETWORK LAB

SEMESTER V

SUBJECT CODE	COURSE NAME
IT501	THEORY OF COMPUTATION
IT502	JAVA PROGRAMMING
IT503	WEB TECHNOLOGY
IT504	MICROPROCESSORS
IT505	JAVA LAB
IT506	WEB LAB

SEMESTER VI

SUBJECT CODE	COURSE NAME
IT601	COMPILER DESIGN
IT602	CLOUD COMPUTING
IT603	ARTIFICIAL INTELLIGENCE
IT604	DATA MINING
IT605	MINI PROJECT
IT606	AI / DATA MINING LAB

SEMESTER VII

SUBJECT CODE	COURSE NAME
IT701	MACHINE LEARNING
IT702	CYBER SECURITY

SUBJECT CODE	COURSE NAME
IT703	INTERNET OF THINGS (IOT)
IT704	MOBILE APPLICATION DEVELOPMENT
IT705	INDUSTRIAL TRAINING
IT706	PROJECT – I

SEMESTER VIII

SUBJECT CODE	COURSE NAME
IT801	BIG DATA ANALYTICS
IT802	SOFTWARE TESTING
IT803	INFORMATION SECURITY
IT804	PROJECT – II
IT805	SEMINAR AND VIVA VOCE