

BACHELOR OF TECHNOLOGY (COMPUTER SCIENCE)

SYLLABUS – SUBJECT CODE & COURSE NAME (8 SEMESTERS)

SEMESTER I

SUBJECT CODE	COURSE NAME
CS101	ENGINEERING MATHEMATICS – I
CS102	ENGINEERING PHYSICS
CS103	BASIC ELECTRICAL ENGINEERING
CS104	ENGINEERING GRAPHICS
CS105	PROGRAMMING IN C
CS106	C PROGRAMMING LAB

SEMESTER II

SUBJECT CODE	COURSE NAME
CS201	ENGINEERING MATHEMATICS – II
CS202	ENGINEERING CHEMISTRY
CS203	ELECTRONICS ENGINEERING
CS204	DATA STRUCTURES
CS205	COMMUNICATION SKILLS
CS206	DATA STRUCTURE LAB

SEMESTER III

SUBJECT CODE	COURSE NAME
CS301	DISCRETE MATHEMATICS
CS302	OBJECT ORIENTED PROGRAMMING (C++)
CS303	COMPUTER ORGANIZATION
CS304	OPERATING SYSTEM
CS305	OOP LAB
CS306	OS LAB

SEMESTER IV

SUBJECT CODE	COURSE NAME
CS401	DESIGN AND ANALYSIS OF ALGORITHMS
CS402	DATABASE MANAGEMENT SYSTEM
CS403	SOFTWARE ENGINEERING
CS404	COMPUTER NETWORKS
CS405	DBMS LAB
CS406	NETWORK LAB

SEMESTER V

SUBJECT CODE	COURSE NAME
CS501	THEORY OF COMPUTATION
CS502	JAVA PROGRAMMING
CS503	WEB TECHNOLOGY
CS504	MICROPROCESSORS
CS505	JAVA LAB
CS506	WEB LAB

SEMESTER VI

SUBJECT CODE	COURSE NAME
CS601	COMPILER DESIGN
CS602	CLOUD COMPUTING
CS603	ARTIFICIAL INTELLIGENCE
CS604	DATA MINING
CS605	MINI PROJECT
CS606	AI / DATA MINING LAB

SEMESTER VII

SUBJECT CODE	COURSE NAME
CS701	MACHINE LEARNING
CS702	CYBER SECURITY

SUBJECT CODE	COURSE NAME
CS703	INTERNET OF THINGS (IOT)
CS704	BLOCKCHAIN TECHNOLOGY
CS705	INDUSTRIAL TRAINING
CS706	PROJECT – I

SEMESTER VIII

SUBJECT CODE	COURSE NAME
CS801	BIG DATA ANALYTICS
CS802	SOFTWARE TESTING
CS803	MOBILE APPLICATION DEVELOPMENT
CS804	PROJECT – II
CS805	SEMINAR AND VIVA VOCE