

## F.Y.B.Sc. Computer Science - Semester II

### PROGRAMME STRUCTURE

Vertical	Credits	Title of Course
Major	4	Advanced Python Programming
Major	4	Computer Networks
Major	4	Object Oriented Programming With C++
Minor	2	Advanced Calculus
General Elective / Open Elective - I (Choose any one)	2	A) Principles of Accounting
		B) Economics
General Elective / Open Elective - II (Choose any one)	2	A) Practical Accounting
		B) Economic Modelling
Ability Enhancement Course	2	English Technical Writing Skills
Indian Knowledge System	2	Fundamentals of Indian Knowledge System

## S.Y.B.Sc. Computer Science - Semester III

### PROGRAMME STRUCTURE

Vertical	Credits	Title of Course
Major	4	Java Programming
Major	4	Data Structures & Algorithms
Major	4	Operating Systems
Minor	2	Numerical Methods
General Elective / Open Elective (Choose any one)	2	A) Advanced Tally
		B) IT Return Filing
Skill Enhancement Course (Choose any one)	4	A) Programming with PL/SQL
		B) Cryptography & Network Security
Ability Enhancement Course (Choose any one)	2	Hindi Lekhan Kausal
		Marathi Lekhan Kaushal
		Sanskrit Parichayah – Sanskrit Basics

## S.Y.B.Sc. Computer Science - Semester IV

### PROGRAMME STRUCTURE

Vertical	Credits	Title of Course
Major	4	Web Programming
Major	4	Theory of Computation
Major	4	Agile Scrum
Minor	4	Linear Algebra
General Elective / Open Elective (Choose any one)	2	A) Creative Content Writing
		B) Startup & Entrepreneurship Skills
Skill Enhancement Course (Choose any one)	2	A) Mobile App Technologies
		B) Unity Programming
Ability Enhancement	2	Vyavaharik Hindi Lekhan, Batchet aur Prastuti

Course (Choose any one)	Vyavaharik va Upayojik Marathi Lekhan, Sambhashan va Sadarikaran
	Sanskrit Pravinta Pathyakram (Sanskrit Proficiency Course)

## T.Y.B.Sc. Computer Science - Semester V

### PROGRAMME STRUCTURE

Vertical	Credits	Title of Course
Major	4	AI and ML
Major	4	MERN
Major (Choose any one)	4	Information Retrieval
		Linux Administration
Minor	4	Statistics for Computer Science
Vocational & Skill Enhancement Course (Choose any one)	4	Ethical Hacking
		DevOps
Research Project / On Job Training (Choose any one)	2	Project
		On Job Training

## T.Y.B.Sc. Computer Science - Semester VI

### PROGRAMME STRUCTURE

Vertical	Credits	Title of Course
Major	4	Data Science Fundamentals
Major	4	Web Services & Cloud Computing
Major (Choose any one)	2	Introduction to Blockchain
		Cyber Laws and Patents
Minor	4	Internet of Things
	4	Virtual Reality & Augmented Reality

Vocational & Skill Enhancement Course (Choose any one)		Digital Forensics
Research Project	4	CAPSTONE Project