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CS/IT After 12th –

Bachelor of Science in IT & CS

Semester	Subject - Title	Course Type
Semester 1	Programming Principle with C	Core
	Digital Logic and Applications	Core
	Fundamentals of Database Management Systems	Core
	Computational Logic and Discrete Structure	Core
	Technical Communication Skills	Ability Enhancement Skill Course

	Programming Principles with C Practical	Core Subject Practical
	Digital Logic and applications Practical	Core Subject Practical
	Fundamentals of Database Management Systems Practical	Core Subject Practical
	Computational Logic and Discrete Structure Practical	Core Subject Practical
	Technical Communication Skills Practical	Ability Enhancement Skill Course Practical
Semester 2	Object Oriented Programming with C++	Core
	Fundamentals of Micro-Processor and Microcontrollers	Core
	Web Applications Development	Core
	Numerical Methods	Core
	Green IT	Ability Enhancement Skill Course
	Object Oriented Programming with C++ Practical	Core Subject Practical
	Fundamentals of Micro-Processor and Microcontrollers Practical	Core Subject Practical
	Web Applications Development Practical	Core Subject Practical

	Numerical Methods Practical	Core Subject Practical
	PL/SQL Practical	Core Subject Practical

Semester	Subject - Title	Course Type
Semester 3	Python Programming	Skill Enhancement Course
	Data Structures	Core
	Computer Networks	Core
	Operating Systems	Core
	Applied Mathematics	Core
	Python Programming Practical	Skill Enhancement Course Practical
	Data Structures Practical	Core Subject Practical
	Computer Networks Practical	Core Subject Practical
	Operating Systems Practical	Core Subject Practical
	Mobile Programming Practical	Core Subject Practical

Semester 4	Core Java	Skill Enhancement Course
	Introduction to Embedded Systems	Core
	Computer Oriented Statistical Techniques	Core
	Software Engineering	Core
	Computer Graphics and Animation	Core
	Core Java Practical	Skill Enhancement Course Practical
	Introduction to Embedded Systems Practical	Core Subject Practical
	Computer Oriented Statistical Techniques Practical	Core Subject Practical
	Software Engineering Practical	Core Subject Practical
	Computer Graphics and Animation Practical	Core Subject Practical

- Electives and some core courses may change according to pre-requisites required for selected specialization/major.
- Students must also study some of mandatory courses (apart from provided electives) after transferring as directed by the university
- Number of transferrable credits from Vidyalankar are 60.