



Information Technology

With tremendous developments made in the field of Information Technology, the need for trained professionals has also increased over the years. Various companies require professionals who can manage their sensitive data in a secure way. This course covers all the technical aspects such as software, database, networking etc. B.Sc. (IT) offers more options in management of systems which is a combination of software, communication, internet etc... Candidate with B.Sc. (IT) will have more exposure in management of systems and networks. The job opportunities related to information systems are: Programmer, Programmer Analyst, Business Systems Analyst, Systems Engineer, Systems Integration Engineer, System Administrator, Customer Engineer, Field Engineer, etc.

[Second Year]

Semester- 3

Core Courses		
Information Technology	1.	Fundamentals of Information Technology
	2.	Problem Solving Methodology & Programming in C
	3.	Practical
Mathematics	1.	Advanced Calculus
	2.	Numerical Analysis
	3.	Mathematics Practical
Elective Courses		
Elective	1.	Elective
	2.	Elective
Foundation Course		
	1.	Functional English

Semester- 4

Core Courses		
Information Technology	1.	Computer Organization and Digital Computer Electronics
	2.	Web Designing & Applications
	3.	Practical
Mathematics	1.	Linear Algebra
	2.	Differential Equations
	3.	Mathematics Practicals
Elective Courses		
Elective	1.	Elective
	2.	Elective
Foundation Course		
	1.	Functional English

[Third Year]

Semester- 5

Core Courses		
Information Technology	1.	Relational Database Management Systems-I
	2.	Data and File Structures
	3.	Visual Programming through VB.NET
	4.	Operating Systems
	5.	System Analysis, Design & Software Engg.
	6.	Computer Architecture and Microprocessor
	7.	Practical-I
	8.	Practical-II

Semester- 6

Core Courses		
Information Technology	1.	Relational Database Management Systems-II
	2.	Web Application Development Using PHP
	3.	Object Oriented Programming Using JAVA
	4.	Software Project Management
	5.	Information Security
	6.	Data Communication & Networking
	7.	Practical- 1
	8.	Practical II and Project