



Scheme of Study of the Program

**Bachelor of Science-
(Information Technology) (B.SC (IT))
Semester I,II,III,IV,V & VI
(w.e.f batch 2017)**

SEMESTER-I

S.No	Name of the Subject	Credit	Contact Hours Per Week	Total Marks	End Term Theory/ Practical Exam	Mid Term Theory/ Practical Exam	CIA **	Attendance
1	*Introduction to Computer Science	4	4	100	70	20	5	5
2	*Programming In C	4	4	100	70	20	5	5
3	*Discrete Mathematics	4	4	100	70	20	5	5
4	∞Business Communication I	4	4	100	70	20	5	5
5	∞Hindi	2	2	50	35	10	2.5	2.5
6	» IT Awareness - I	2	2	50	35	10	2.5	2.5
	Practical							
7	* Computer Science - Lab	2	4	50	30	10	5	5
8	* Programming In C - Lab	2	4	50	30	10	5	5
	TOTAL	24	28	600	410	120	35	35

SEMESTER-II

S.No	Name of the Subject	Credit	Contact Hours Per Week	Total Marks	End Term Theory/ Practical Exam	Mid Term Theory/ Practical Exam	CIA **	Attendance
1	* Data Structure through C	4	4	100	70	20	5	5
2	* Object Oriented Programming with C++	4	4	100	70	20	5	5
3	* Operating System	4	4	100	70	20	5	5
4	* Numerical & Statistical Methods	4	4	100	70	20	5	5
5	∞ English	2	2	50	35	10	2.5	2.5
6	» IT Awareness - II	2	2	50	35	10	2.5	2.5
	Practical							
7	* Data Structure through C - Lab	2	4	50	30	10	5	5
8	* Object Oriented Programming with C++ - Lab	2	4	50	30	10	5	5
9	* Operating System - Lab	2	4	50	30	10	5	5
	TOTAL	26	32	650	440	130	40	40

SEMESTER-III

S.No	Name of the Subject	Credit	Contact Hours Per Week	Total Marks	End Term Theory/ Practical Exam	Mid Term Theory/ Practical Exam	CIA **	Attendance
1	*Programming with Java	4	4	100	70	20	5	5
2	*Design and Analysis of Algorithms	4	4	100	70	20	5	5
3	* Microprocessor Architecture	4	4	100	70	20	5	5
4	*Database Management System	4	4	100	70	20	5	5
5	* Applied Mathematics	4	4	100	70	20	5	5
6	»Python Programming	4	4	100	70	20	5	5
	Practical							
7	*Programming with Java -Lab	2	4	50	30	10	5	5
8	* Microprocessor -Lab	2	4	50	30	10	5	5
9	*Database Management System -Lab	2	4	50	30	10	5	5
10	»PythonProgramming -Lab	2	4	50	30	10	5	5
	TOTAL	32	40	800	540	160	50	50

SEMESTER-IV

S.No	Name of the Subject	Credit	Contact Hours Per Week	Total Marks	End Term Theory/ Practical Exam	Mid Term Theory/ Practical Exam	CIA **	Attendance
1	* Web Programming	4	4	100	70	20	5	5
2	* Computer Graphics and Animation	4	4	100	70	20	5	5
3	*Software Engineering	4	4	100	70	20	5	5
4	»Mobile Application Development	4	4	100	70	20	5	5
5	*Computer Oriented Statistical Techniques	4	4	100	70	20	5	5
	Practical							
6	*Web Programming -Lab	2	4	50	30	10	5	5
7	*Computer Graphics and Animation -Lab	2	4	50	30	10	5	5
8	»Mobile Application Development -Lab	2	4	50	30	10	5	5
	TOTAL	26	32	650	440	130	40	40

Semester V

S.No	Name of the Subject	Credit	Contact Hours Per Week	Total Marks	End Term Theory/ Practical Exam	Mid Term Theory/ Practical Exam	CIA **	Attendance
1	* Software Project Management	4	4	100	70	20	5	5
2	»Internet of Things	4	4	100	70	20	5	5
3	»Advanced Web Programming	4	4	100	70	20	5	5
4	Discipline Specific Elective (any One) Artificial Intelligence Linux System Administration	4	4	100	70	20	5	5
5	Discipline Specific Elective (any One) Enterprise Java Next Generation Technologies	4	4	100	70	20	5	5
	Practical							
6	»Internet of Things -Lab	2	4	50	30	10	5	5
7	»Advanced Web Programming -Lab	2	4	50	30	10	5	5
8	Discipline Specific Elective (any One) ☛ Artificial Intelligence - Lab ☛ Linux System Administration - Lab	2	4	50	30	10	5	5
9	Discipline Specific Elective (any One) ☛ Enterprise Java - Lab ☛ Next Generation Technologies - Lab	2	4	50	30	10	5	5
	TOTAL	28	36	700	470	140	45	45

Semester VI

S.No	Name of the Subject	Credit	Contact Hours Per Week	Total Marks	End Term Theory/ Practical Exam	Mid Term Theory/ Practical Exam	CIA **	Attendance
1	»Software Quality Assurance	4	4	100	70	20	5	5
2	»Security in Computing	4	4	100	70	20	5	5
3	»Business Intelligence	4	4	100	70	20	5	5
4	∞Cloud Computing	4	4	100	70	20	5	5
5	Discipline Specific Elective (any One) ⚡ IT Service Management ⚡ Cyber Laws	4	4	100	70	20	5	5
	Practical							
6	»Project	4	4	100	50	40	5	5
7	»Security in Computing - Lab	2	4	50	30	10	5	5
8	»Business Intelligence Practical-Lab	2	4	50	30	10	5	5
	TOTAL	28	32	700	460	160	40	40

** CIA – Continuous Internal Assessment – Based on Class Participation / Assignment

* CoreSubjects | ▲ Generic Subjects | »SkillEnhancementSubjects |
 ∞AbilityEnhancement Subjects | ⚡ Discipline Specific Elective

Note: Approved by BOS on dated 11.08.2017 & Approved by Academic Council on Dated 17.08.2017