THE LEARNING OUTCOME FRAME OF UG AND PG COURSE OF COMPUTER SCIENCE

Course outcome

Computer Science

B.Sc. Ist Year

After completing B.Sc. Ist Year with Computer Science Student acquires knowledge of :

Fundamental of Computer, Types of Computer, Windows and their features, Word Processing ,Excel, Number System: Conversion from one base to another, Codes, Boolean Algebra, Binary Arithmetic, de-Morgan's theorem, Boolean Functions, Logic Gates, Memory and its types, Memory accessing method, Microcomputers, Architecture of CPU, Data transfer Scheme.

Classification of programming languages, C programminglanguage, Structured Programming, Structure of C program, Input/output operators, expression, branching, looping, jumping, Arrays & Functions, Printers, File handling in C, Graphics programming.

Related Practical with C Programming, MS-Word,EXCEL.

B.Sc. IInd Year

After completing B.Sc. IInd Year with Computer Science Student acquires knowledge of :

C++, Key Concept of OOP's Input/ Output stream, parts of C++ program, Tokens, identifiers, data types, operators, Control structures of C++, Functions, Argument passing , Library functions, Classes & Objects, Member function, Static member variables , Friend Class & friend function , Constructors & Destructors, operator overloading, Inheritance, Pointers, Polymorphism.

Data Structure and analysis of Algorithm, Stack, stack application, Queue with their application ,Linked list and its application, Tree terminology, binary tree, Searching methods, Sorting methods , Graphs ,Spanning tree.

Related Practical.

B.Sc. IIIrd Year

After completing B.Sc. IIIrd Year with Computer Science Student acquires knowledge of :

Database System, types of database, Entity relationship model, E-R diagram, Fundamentals of set theoretical notations , Keys, Integrity rules, Relational algebra, Functional dependencies , Normalization, Indexing & Hashing , SQL , Component of SQL, DDL,DML.DCL, Operating System & its types , System calls, operating system services, Process management , Types of Scheduler, Scheduling Algorithms ,Inter-process communication, Deadlocks, Memory management, Dynamic linking & loading ,Virtual Memory concept, Page replacement Algorithm, Storage management, Device management , Linux & its features , working with Linux , Linux commands , Vi –Editor, File security.

Related Practical with DBMS and Linux.