Course Number and Name
BCS1L1 - COMPUTER PRACTICE LABORATORY

Credits and Contact Hours
1 & 45

Course Coordinator’s Name
Ms Fathima

Text Books and References
Lab Manual

Course Description
To impart basic computer knowledge

Prerequisites
Nil

Co-requisites
Fundamental of computing and programming required, elective, or selected elective (as per Table 5-1)

Course Outcomes (COs)
CO1: Demonstrate major algorithms and data
CO2: Implementation of array operations
CO3: Implementation of binary tree.
CO4: Implementation of linked list
CO5: Students will be able to do analyses data using spread sheet
CO6: Students will be able to understand the basics of C programming.

Student Outcomes (SOs) from Criterion 3 covered by this Course

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List of Topics Covered
LIST OF EXPERIMENTS
A) Word processing
   • Document Creation, Text Manipulation with scientific Notations.
   • Table Creation, Table Formatting and Conversion.
   • Mail merge and Letter Preparation.
   • Drawing Flow Chart.
B) Spread Sheet
   • Chart - Line, XY, Bar and Pie.
   • Formula - Formula Editor.
   • Spread Sheet - Inclusion of Object, Picture and Graphics, Protecting the document and sheet.
   • Sorting and Import / Export features.
C) Simple C Programming
   • Data types, Expression Evaluation, Condition Statements
   • Arrays
   • Structures and Unions
   • Functions
D) Simple C++ Programming
   • Classes and Objects
   • Constructor and Destructor

* For programming exercises Flow chart and Pseudo code are essential