Manarat International University
Structured Programming(CSE-102)
Course Outline

Course Objective

- To provide knowledge and expertise in structured programming
- To help students to develop programming skills to solve various problems challenges

Course Description
This course is planned for undergraduate computer science students as a one semester course in structural programming concepts. The course covers the principles of the modern-day conceptualizing and writing curriculum that students would encounter in many courses in computer science. In the area of computer science, this course has found a profound application.

Course Duration: Two hours of theory and two hours of Lab per week
Course Status: Compulsory
Prerequisite: Basic knowledge of mathematics

Course Contents:
Basic knowledge of solving problems; data types, operators, expressions, control structures; Functions and program structure: parameter passing conventions, scope rules and storage classes, recursion; Header files; Preprocessor; Pointers and arrays; Strings; Multidimensional array; User defined data types: structures, unions, enumerations; Input and Output: standard input and output, formatted input and output, file access; Variable length argument list; Command line parameters; Error Handling; Graphics; Linking; Library functions.

Marks Distribution:

S.L.	Exam	Mark	Syllabus
1.	Midterm	20	First half of Course contents
2.	Final	40	Second half of Course contents
3.	Lab	25	Quiz (5) + Presentation (5) + Assignment(5) + Project(10)
4.	Teacher's Review	15	Class Performance
	Total	**100**	

Resources:
Books- Teach yourself C, Computer Programming 1st and 2nd part.
Course- C for Everyone: Structured Programming(Coursera)
Repository

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