الكلية المصرية الكوريه لتكنولوجيا الصناعه والطاقة

جامعة بني سويف التكنولوجية

BANI SWIEF TECHNOLOGICAL UNIVERSITY

C++ Lab Outline
Course: Programming Essentials in C
ICT Program

Lab	Contents
Week 1: Introduction to C++	○ Install Code Bloks IDE for C++ programming language ○ Create first C++ program ○ Explanation of the program layout ○Steps for execution the code ○ Steps for debugging the code
Week 2: C++ basics: Identifier,keyword, constants and data types	○Declaring varibles with different data types ○Assignment varibles with different ways ○ Explanation constants with examples
Week 3: Input and output - Increment/Decrement	○Explanation cin and cout with examples ○ Using escape sequences ○ Explanation increment and decrement

Week 3: C++ basics: Identifier,keyword, constants and data types	○Declaring varibles with different data types ○Assignment varibles with different ways ○ Explanation constants with examples
Week 4: Arithmetic & Boolean Expressions	○ Explanation Arithmetic Expressions with examples ○ Explanation Boolean Expressions with examples
Week 5: Conditional Statements	○ Explanation if and if else with examples
Week 6: Loop	○Explanation for, while, and do while with examples
Week 7: Type Casting- Global & local variables	○Explanation type casting with examples ○Explanation different between gloab and local varibales with examples
Week 8: Predefined Functions & Defined Functions	○Explanation including and calling Predefined Functions with examples ○Explanation decalaring, defining and calling defined Functions with examples
Week 9: Advanced Fuction	○Explanation Overloading Function ○Explanation Call-by-Reference Parameters
Week 10: I/O file streams	○Explanation read and write to files with examples ○ Catching errors
Week 11: Array	○Explanation one and Two Dimensional with examples
Week 12: Pointer	○Explanation pointer with examples