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| Department of Software Engineering  Mehran University of Engineering and Technology, Jamshoro |

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| Course: AI-112 – Programming Fundamentals | | | |
| Instructor | Engr. Fahama Barakzai | **Practical/Lab No.** | 01 |
| Date |  | **CLOs** | 3 |
| Signature |  | **Assessment Score** | 01 Mark |

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| Topic | Installation of Turbo C++, Dev-C++ IDEs, To become familiar with Basic C++ Program structure and Programming syntax |
| Objectives | * To become familiar with Program statements /Program instructions and a computer Program. * To know about programming Syntax, Source code and object code, source file and object file, Executable file. * To become familiar with Language Translators (Assembler, Compiler, Interpreter). |

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| Lab Discussion: Theoretical concepts and Procedural steps |

**TOOLS: TURBOO C++/ DEV C++/ VS-CODE/ CODE BLOCKS**

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| Lab Tasks |

1. Practice a C++ program which outcomes “Hello World” on computer screen.
2. Consider the variable char character=’A’;

Print the character ‘A’ in single quotes.

**Expected output:** character in single quotes: ‘A’

1. Rebuild a C++ program to print a face.

**Expected output:**

+ “ “ +

[ | o o | ]

| ^ |

| ‘ – ‘ |

1. Rebuild a C++ program which outcomes “The sum of 20 and 39 is: 59” on computer screen.
2. Rebuild three C++ statements to print the pattern as shown below:

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