Lesson Plan

BCA – 121 Advanced Programming in C

Teacher name:

April 2021

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| Strings in ‘C’: Introduction, Declaration and initialization of string, String I/O, Array of strings, String manipulation functions: String length, copy, compare, concatenate, search for a substring. Structure and Union: Introduction, Features of structures, Declaration and initialization of structures, Structure within structure, Array of structures, Structure and functions. Union: Introduction, Union of structures. Typedef, Enumerations. |

May 2021

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| Pointers: Introduction, Pointer variables, Pointer operators, Pointer assignment, Pointer conversions, Pointer arithmetic, Pointer comparison, Pointers and arrays, Pointers and functions, Pointers and strings, Pointer to pointer, dynamic allocation using pointers. |

June 2021

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| Files: Introduction, File types, File operations, File I/O, Structure Read and write in a file, Errors in file handling, Random-access I/O in files. Preprocessor: Introduction, #define, macros, macro versus functions, #include, Conditional compilation directives, undefining a macro.  |

July 2021

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| Command line arguments: defining and using command line arguments. |