

INDIAN INSTITUTE OF TECHNOLOGY TIRUPATI

भारतीय प्रौद्योगिकी संस्थान तिरुपति

1.	Title of the course	Introduction to Programming
2.	Course number	ES103M
3.	Structure of credits	2-0-3-4
4.	Offered to	UG
5.	New course/modification to	Modification To ES1101/14
6.	To be offered by	Department of Computer Science and Engineering
7.	To take effect from	July 2022
8.	Prerequisite	Nil
9.	Course Objective(s): To develop computational thinking for problem solving and express a solution in such a way that a computer can effectively execute it. To gain hands-on programming abilities by implementing well-structured programs in C.	
10.	programs, phases of program development; compiler, debugger; Basics: data types, con precedence; Statements: declaration, input/ou statements; Arrays: strings, multidimension arithmetic, array manipulation, dynamic memor	olem, pseudocode, flowcharts, variables, statements, Operating environment: shell commands, editor, stants, variables, expressions, operators, operator atput, compound, conditional, selection, and control al arrays, matrices; Pointers: operators, pointer y allocation; Storage classes; Functions: modularity, n call, return, recursion; User defined data types: files.
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