**TEACHING PLAN/LECTURE PLAN (TP)**

Institute Code : 019

Course and Code : Course Code:

Semester : CLASS/DIVISION :\_\_\_\_\_\_ Name of Faculty :

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| **Chapter****No. (Total****Hrs.)** | **Title/Details** | **Allocated****Hrs. in****Curriculum** | **Date of****Commencing****Topic** | **Date of****Completion****of Topic** | **Teaching****Method/ Media** | **Remarks** |
| 01/[8] | 1 Steps in program development 1.1 Programming process, 1.2 Algorithm 1.3 Flowcharting & different symbols Study of ‘C’ as a programming language 1.4History of ‘C’ 1.5 Introduction to ‘C’ 1.6. Basic structure ‘C’ program, sample ‘c’ program 1.7 Execution of ‘C’ program Constant variables and data types  1.8.Character set 1.9.Key words and identifiers 1.10Constants  1.11Data types  1.12Variables and declaration of variables |  |  |  | **BLACK BOARD TEACHING.****VIDEO LECTURES****PROJECTOR ETC** |  |

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| **2/[2]** | **Operators and Expressions** 2.1Arithmetic, relational, logical operators  2.2Assignment, increment and decrement operators 2.3Conditional and special operators 2.4Bit wise operators 2.5Arithmetic expressions 2.6Evaluation of expressions 2.7Type conversion in expressions |  |  |  | **BLACK BOARD TEACHING.****VIDEO LECTURES****PROJECTOR ETC** |  |
| **3/[2]** | **3.Managing input and output** operator 3.1. Reading a character 3.2. Writing a character 3.3. Formatted input 3.4. Formatted output |  |  |  |  |  |

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|  | 4.Decision making, branching and looping 4.1Decision making with IF statement4.2 Simple IF statement, 4.3 IFELSE statement, 4.4 Nesting of IF ELSE statement 4.5 Else IF ladder 4.6 SWITCH statement 4.7 GOTO statement 4.8 WHILE statement 4.9 DO statement 4.10 FOR statement |  |  |  |  |  |

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