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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Program: Bachelor of Science Honours (Information Technology) | | | | | | | Semester: I | | | |
| Course: Introduction to Computer Programming LAB | | | | | | | Code: | | | |
| Teaching Scheme | | | | | Evaluation Scheme | | | | | |
| Lecture | Practical | Tutorial | | Credits | Theory | | | | Practical | |
| Internal | External | | | Internal | External |
| Nil | 15X2 | Nil | | 01 | Nil | Nil | | | 20 | 30 |
|  | | | | | | | | | | |
| Internal Component | | | | | | | | | | |
| MAchine Test Duration Mins | | | Assignment& projects | | | | | Class Participation | | |
| 30 Marks 2.5 Hours | | | Mini Project 20 Marks | | | | | Nil | | |
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| Pedagogy   * PPTs, Case studies, Group discussions, Classroom Activity, Videos, Research papers, News articles etc. | | | | | | | | | | |

List of Practicals: (To be done in C or python programming language)

1. Programs based on basic structure.
2. Programs to implement different types of variables.
3. Programs to illustrate Conditional statements and loops(basic).
4. Programs to illustrate Conditional statements and loops(advanced).
5. Programs to display different patterns.
6. Programs to implement Arrays
7. Programs to implement functions
8. Programs to implement Recursive functions
9. Programs to implement Pointers
10. Programs to implement Structures and Unions