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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Program: Bachelor of Science Honours (Information Technology) | | | | | | | Semester: I | | | |
| Course: Object Oriented 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 | | | 20 Marks Mini Project | | | | | Nil | | |
|  | | | | | | | | | | |
| Pedagogy   * PPTs, Case studies, Group discussions, Classroom Activity, Videos, Research papers, News articles etc. | | | | | | | | | | |

**List of Practicals: To be implemented using  C++or Java as a programming language**

1. Programs demonstrating basic implementation of Classes and methods
2. Programs demonstrating the use of friend functions.
3. Programs to implement Constructors and method overloading.
4. Programs to implement Operator Overloading
5. Programs to implement types of Inheritance
6. Programs to demonstrate Virtual functions and abstract classes
7. Programs to demonstrate Exception handling
8. Programs to implement Templates