

COURSE TITLE	:	OBJECT ORIENTED PROGRAMMING LAB
COURSE CODE	:	3137
COURSE CATEGORY	:	B
PERIODS/WEEK	:	5
PERIODS/SEMESTER	:	75
CREDITS	:	3

Hardware Requirement: Desk Top Computer

Software Requirement : Linux Operating System with gcc and g++

LIST OF EXPERIMENTS

1. Simple C++ Programs to Implement Various Control Structures.
 - a. If statement
 - b. Switch case statement and do while loop
 - c. For loop
 - d. While loop
2. Programs to Understand Structure & Unions.
 - a. Structure
 - b. union
3. Programs to Understand Pointer Arithmetic.
4. Functions & Recursion.
 - a. Recursion
 - b. function
5. Inline Functions.
6. Programs to Understand Different Function Call Mechanism.
 - a. Call by reference & Call by Value
7. Programs to Understand Storage Specifiers.
8. Constructors & Destructors.
9. Use of "this" Pointer. Using class
10. Programs to Implement Inheritance and Function Overriding.
 - a. Multiple inheritance –Access Specifiers
 - b. Hierarchical inheritance – Function Overriding /Virtual Function
11. Programs to Overload Unary & Binary Operators as Member Function & Non Member Function.
 - a. Unary operator as member function
 - b.** Binary operator as non member function
12. Programs to Understand Friend Function & Friend Class.
 - a. Friend Function
 - b. Friend class
13. Programs on Class Templates