

Micro-Project Report

Subject Name :-Object Oriented Programming Language(OOP)

Micro-Project Name :- Hospital Management System.

Subject Code :- 22316

1.0 Rationale:

In the modern world of information technology, the object oriented programming most preferred to software development. It is the powerful way to cope up with the complexities of the real world problems.

2.0 Aims of the Micro-project:

- a) To implement various control statements using C++.
- b) To represent collection of similar data types using array and by creating array of object.
- c) To represent real time entity with classes and objects and related member functions.
- d) To show the reusability of the existing class properties and deriving a new class with additional properties with the help of inheritance.

3.0 Course Outcomes Achieved:

After completion of this project we will able to:-

- a) Develop C++ program using different control statements.
- b) Develop C++ programs using classes and objects.
- c) Implement different types of inheritance in C++ program.

4.0 Literature Review:

- 1. Object oriented programming with C++ book used to know the information about the class and how the member functions are defining outside the class.
- 2. To know the information about structure for collection of different types of variables.
- 3. To know about various control statements in C++.

5.0 Actual Methodology Followed:

- a) We had decided topic name for preparing the project.
- b) We had planned the general structure of program and searched information about the project.
- c) After searching developed all information about Hospital Management System and what should be included in program.
- d) After collecting all information we typed the program in Windows7 (Turbo C)by using classes and member function.
- e) e)We also used structure and outside class defining of member function to reduce complications.

5.0 Actual Resources used:

| Sr.no | Name of resource | Specification | Quantity | Remarks |
|-------|------------------|---|----------|---------|
| 1) | Laptop | Hp | 1 | |
| 2) | Book | Object Oriented Programming with C++ -E Balagurusamy | 1 | |
| 3) | Software | Turbo C7 | - | |

7.0 Skills developed / Learning outcomes of this Micro-Project:

1. We will able to develop C++ program using different control statements.
2. We will able to develop C++ programs using classes and objects.
3. Able to use structure to declare the data members.
4. Able to use file handling to store the data.

8.0 Applications of this Micro-Project:

1. Minimized documentation and no duplication of records.
2. Better administration control.
3. Faster information flow between various departments.
4. Reduced paper work.
