Chapter 7

**IMPLEMENTATION**

**7.1 Introduction**

Implementation is the realization of an application, or execution of a plan, idea, model, design, specification, standard, algorithm, or policy. In other words, an implementation is a realization of a technical specification or algorithm as a program, software component, or other computer system through programming and deployment. Many implementations may exist for a given specification or standard.

Implementation is one of the most important phases of the SDLC(Software Development Life Cycle). It encompasses all the processes involved in getting new software or hardware operating properly in its environment, including installation, configuration, running, testing, and making necessary changes. Specifically, it involves coding the system using a particular programming language and transferring the design into an actual working system.

This phase of the system is conducted with the idea that whatever is designed should be implemented; keeping in mind that it fulfills user requirements, objective and scope of the system. The implementation phase produces the solution to the user problem.

**7.2 Overview of System Implementation**

This project is implemented considering the following aspects:

1. Usability Aspect.
2. Technical Aspect.

**7.2.1 Usability Aspect**

The usability aspect of implementation of the project is realized using two principles: