**Problem Statement :**

**“**Hotel Resrevation Service System” aims at managing the Room Details, Customer Details and Room Booking Details of a certain hotel. The Data Entry Operator manages the software. The room details can be managed by adding, deleting, updating and viewing. Customer details can be entered in the system when a new customer arrives. Customer details could also be deleted, modified and displayed whenever required. When a room is booked the booking details will be recorded against the respective customer and will be updated whenever the cutomer checks out. Room booking details can be deleted, modified and displayed whenever required.

**Process Model :**

Iterative Waterfall Model-

The Iterative Waterfal model has the following stages:

Feasibitlity Study

Requirement Analysis

and Specification

Design

Coding and Unit Testing

Integration and

System testing

Maintenance

*Feasibilty Study* – The main aim of the feasibility study activity is to determine whether it would be financially and technically feasible to develop the product(software).

*Requirement Analysis and Specification –* The aim of this phase is to understand the exact requirements of the customer and to document them properly.

*Design –* The goal of the design phase is to transform the requirements specified in the SRS document into a structure that is suitable for implementation in some programming language.

*Coding and Unit Testing –* The purpose of this phase is to translate a software design into source code and to ensure that individually each function is working correctly.

*Integration and System Testing –* In this phase the different modules are integrated incrementally and tested in a planned manner. After all the modules have been successfully integrated and tested, system testing is carried out on this fully working system.

*Maintenance –* In this phase, the project team provides ongoing support and maintenance for the solution.