**ACKNOWLEDGEMENT**

First of all I would like to be grateful to the GTU, who gave me effort to work on this project for the Summer Internship subject in 7th Semester.

The project of “**Doctor Appointment Booking System**” has been guided by **Prof. Amit Rathod** who is my internal guide. I would also thank Head of the Department Prof. Mansukh T. Savaliya for giving me such a wonderful chance to work with this interesting project and perform the project work. Also thanks to internal guide for providing technical guidance and giving inspiration in all the way during project making.

Last but not the least, I would like to thank my parents, friends and almighty for being with me to support directly or indirectly while making this project.

ABSTRACT [pending]

Life is getting too busy to get medical appointments and to maintain a proper health care. The main idea of this project is to provide ease and comfort to patients while taking appointment from doctors and it also resolves the problems that the patients has to face while making an appointment offline.

This project is entitled as “Doctor Appointment Booking System” is a web based application. It maintains records of patient,

Chapter - 2

System Analysis:

2.1: Study of current System:

Few patients do not book their appointment in advance due to this it gets crowded in hospital/clinic and patients have to wait until their turn comes. And this causes waste of time and unwanted waiting period for patients.

Also there are some related systems available right now but no one is totally similar. Many of the system have some limitations. From the study of this similar project I got interested to develop this system.

2.2. Problem and weakness of Current System

* No user login option.
* Payment before Appointment.
* Doctors were getting many requests which they were not able to fulfil.
* Difficult for layman.
* Users could only see doctor’s location and visit-time.

2.3. Requirement analysis of New System

**Functional Requirements:-**

* + FR01: The user should be able to register and login into the system.
  + FR02: The user should be able to search doctor, book appointment, delete appointment, and download appointment slip.
  + FR03: The user can change his profile info at any time.
  + FR04: Database has to store all the information efficiently without any information loss.
  + FR05: Doctors should be able to accept/reject appointment request sent by patients.
  + FR06: Doctors should be able to schedule/update their time slots.
  + FR07: Admin should be able to accept/reject registration request sent by doctors.
  + FR08: Admin should be able to manage doctors and patients.
  + FR08: Admin should be able to view appointments of system.

**Non Functional Requirements:-**

* **Performance Requirements:** 
  + The system need to be reliable
  + If unable to process the request then appropriate error message is printed.
  + Web pages are loaded within few seconds
  + **Safety Requirements:**
  + Doctors and patients must be authenticated.
  + **Security Requirements:**
* After entering the password and email the user can access his profile.

2.4. Brief Literature Review

I have explored few websites which are related to doctor appointment booking system, first my attention caught in ‘Doctorola.com’. In their system user need to search for doctor or hospital from different location and get them for booking appointment. There is no user login option and personal profile so users are totally detached from getting extra facilities in future purpose. And ‘Doctorsbd.com’ site provides only doctors list. Users can only able to know their service location from this site.