**Chapter 1: OVERVIEW**

* 1. **Absctract**

The proposed project is smart appointment booking system that provides patients or any user and easy way of bo oking a doctor’s appointment online. This is a Android based application that overcomes the issue of managing and booking appointments according to user’s choice or demands. The task sometime become very tedious for the compounder or doctor himself in manually allotting appointments for the users as per their availability. Hence this project offers an effective solution where user can view various booking slots available select the preferred date and time. The system provides an additional feature of calculating monthly earnings of doctor. Doctor has to just feed the system regularly with daily earnings and the system automatically generates a report of total amount earned at the end of the month. The application uses Asp.net as a frontend and sql database as the back-end.

The main objective of ‘Doctor Appointment System’ is to manage the bookings and appointments of patients in a efficient manner. It manages all the information about Doctor, Clinic, etc. In past days, patients have to come to clinic and wait for some time till the doctor gets free. This Application helps to reduce this issue by providing a online appointment booking facility. Purpose of the Project : The purpose of building a Doctor Appointment System is to reduce the manual work of managing appointments and clinic.

* 1. **Introduction**

If anybody is ill and wants to visit a doctor for check-up, he or she needs to visit the hospital and waits until the doctor is available. The patient also waits in a queue while getting appointment. If the doctor cancels the appointment for some emergency reasons then the patient is not able to know about the cancelation of the appointment unless or until he or she visits the hospital. As the mobile communication technology is developing rapidly, therefore, one can use the mobile’s applications to overcome such problems and inconvenience for the patients. The proposed work in this paper is an Online Appointment Booking Application that uses an android platform that makes the task of making an appointment from the doctor easy and reliable for the users.

Android based online doctor appointment application contains many modules. One module is the application designed for the patient that contains a login screen. The patient has to register himself before logging in to the application. After logging in, the patient has the option of selecting a doctor from the list of doctors and can view the doctor’s details. The patient can request for an appointment on his/her preferred day. The selected day slot will be reserved and patient will receive the notification of the successfully added appointment. The patient can view the location of the hospital on map. In addition, the patient can contact to the hospital and the doctor by making a call to the doctor. The aaplication also provide the feature to pay half money online using RazorPay API and the rest of the money will be paid after the treatment.

The proposed system consists of two panels: Doctor and Patient. The users will first have to download the application and install it in their mobile devices. Once installed, this application will remain into the device permanently until the user deletes it or uninstalls it. The patient will have to register into the application for the first time. On registering, the patient will receive a username and password. The patient can use this username and password for logging into the app each time he uses it.

* 1. **Scope and Future of Project**