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**Course Title: Real World Project**

**Course ID: GTU206CDE**

GROUP TWO

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**PROJECT TITLE**

**DOCTOR APPOINTMENT BOOKING SYSTEM**

**PROJECT PROPOSAL**

An online doctor appointment booking system can prove to be a boon to doctors and patients alike.

**Introduction**

In recent years, Hospitals have come to prefer the Appointment Booking System whereas Patients with the use of telephones call hospitals for doctor Appointments. In this type of system many problems also arise. In the world of social distancing or more popularly known as “Covid-19”. Problems like patients not showing up or attending, also falling sick as everyone was crowding around each other, can be detrimental to the progress of the society. Since an illness could be contracted, spread and if not caught in time in the hospital. Another Covid-19.

An online doctor appointment booking system can prove to be a boon to doctors and patients alike. Those of us who have witnessed a busy doctor's waiting room may recall patients crowding around the receptionist. Most times “the queue” or first in – first out do not work and causes overcrowding which has been stated in the first paragraph to be bad for our health. The waiting paradigm may be fairly long, and if the patient did not respond quickly when summoned, he or she might have to wait much longer. Which in some cases is also fairly bad for the patient's health. It is generally known that No patient wants to spend hours waiting to book an appointment when there are system online doctors out there who are offering equal service with a booking system that makes appointment scheduling quick and stress-free.

Doctors are lifesavers, that is why they should not be too far away from individuals in need of treatment. With an increasing number of individuals needing medical attention, doctors must make their services accessible and available to their patients. With The Online Appointment Booking System, this situation and many more are given precedence. Since the Online Appointment Booking System doesn’t exactly have to for one hospital but many more, Between the Telephone booking system, the first come – first out and Online Appointment system. The Online Appointment Booking System is the best choice without user review.

Doctors are very important in our daily lives and therefore their availability should always be brought to book. Without them. Patients may not survive without them and this is to provide easy accessibility for their services.

**Problem Statement**

The suggested idea is a savvy appointment booking system that allows patients or any user to book a doctor's appointment online quickly and easily. This is a web-based application that solves the problem of maintaining and arranging appointments depending on the preferences or expectations of the user. The chore of manually allotting appointments for the compounder or doctor might get exceedingly laborious at times. The act of manually allotting appointments for users based on their availability might become laborious for the compounder or doctor. As a result, this project provides a useful solution in which users can view available booking slots and select their preferred date and time. The space that has already been reserved will be highlighted in yellow and will not be available to anybody else for the time period given The space that has already been reserved will be highlighted in yellow and will not be available to anybody else for the duration of the reservation. Users can also cancel their reservations at any moment using this method. The system also has a component that calculates a doctor's monthly earnings. The doctor only needs to input the system with daily profits on a regular basis, and the system will automatically prepare a report detailing the total amount made at the end of the month. Asp.net is used as the front-end, and a SQL database is used as the back-end.

**Aim**

The major goal of the Doctor Appointment Booking System is to keep track of the information about the doctor, the patient, the test, the medicine, and the appointment number. Because the project is entirely constructed at the administrative level, only the administrator has access. The goal of the project is to create an application program that will reduce the amount of time spent manually tracking Doctors, Patients, Appointments, and Tests.

**Objective**

The objective of a Doctor Booking Appointment System is to maximize available resources while reducing patient wait times. Appointment systems that combine capabilities and capacities with patient demand are in high demand in hospitals.

**Features Of Doctor Appointment System**

1. Offers search options based on a variety of criteria such as doctor, test, medicine, and booking.
2. Because the transactions are performed in an off-line mode, on-line data capture and modification for Doctors and Patients is not possible.
3. It keeps track of all of the patient's information, such as appointments, medications, and so on.
4. It manages the patient's information.
5. It displays the doctor's information and description.
6. All fields are validated and do not accept invalid data, such as Doctor, Test, and Booking Number.
7. It generates a report that includes information on the doctor, the patient, and the appointment.
8. Provide test, medicine, and booking number filter reports
9. You can quickly export PDF files for Doctors, Appointments, and Medical Records.
10. Excel export for Patient, Test, and Booking Number is also available in the application.
11. The report can also be exported.
12. For Patient, Test, and Booking Number, the application also supports an excel export.
13. For Doctor, Patient, and Booking Number, you can also export the report to CSV format.
14. To improve the efficiency of the doctor's management. Ability to edit, add, and update records to improve the efficiency of the doctor’s management.
15. It is in charge of keeping track of the information and transactions relating to Medicine
16. Integration of all records of Booking Number