ACKNOWLEDGEMENT

We are grateful to the Department of Computer Science and Engineering for giving us the opportunity for exploring new ideas and developing a sustainable software application. We would like to express our gratitude to our project supervisor **Asst.Prof.Krishna Bikram** Shah for guiding us immensely throughout the course of the project. His constructive advice, keen observation and constant motivation have been responsible for the successful completion of the project.

Our sincere thanks to our project coordinator **Ansu Ghimire** for providing us with the opportunity to expand our knowledge and abilities. Also, we would like to extend our sincere esteems to all our mentors for their timely support.

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Objective:

The system aims to help patients to make appointments online through the internet and track their records through it. With the increase in the number of the patients visiting, it has become difficult to manage the appointment system manually. For the receptionist it makes it easy to set date and time for the treatment of the patient to the relevant doctor.

* To help doctors and other healthcare providers manage their schedules efficiently and reduce scheduling conflicts or overbooking.
* To ensure the privacy and security of the patient information.
* To allow the patients to reschedule or cancel appointments as needed.
* To allow patient to chat with their preferred doctors.
* To increase the customer satisfaction:
* To reduce unpunctuality:
* Less wastage of time

The main objective of the Project on Doctor Appointment System is to manage

the details of Doctor, Appointment, Patient, Booking, Doctor Schedule. It manages all

the information about Doctor, Doctor Fees, Doctor Schedule, Doctor. The project is

totally built at administrative end and thus only the administrator is guaranteed the

access. The purpose of the project is to build an application program to reduce the

manual work for managing the Doctor, Appointment, Doctor Fees, Patient. It tracks all

the details about the Patient, Booking, Doctor Schedule.

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Problem of statement:

* Traditional doctor appointments often have limited availability, especially for specialists, leading to long wait times for patients to get an appointment. This can be particularly problematic for individuals with urgent medical needs or chronic conditions that require regular monitoring and care.
* Traditional doctor appointments require patients to physically visit doctor’s office or medical facility. This can be challenging for individuals who live in remote areas or have limited mobility.
* Traditional doctor appointments can be inconvenient and time consuming for patients. They may need to take time off work or rearrange their schedules to accommodate the appointment.
* Traditional doctor appointments also lack the primarily communication between patients and doctors which causes the trust issues in the patients and doctors.
* Additionally, the actual appointment itself may be brief, leaving patient with limited time to discuss their concerns and ask questions.

Objective:

Doctor appointment is driven by several objectives:

* To allow patients to register, login and book appointment with available doctors.
* To allow users view their past and upcoming appointments and access medical records.
* To allow doctors login, view their schedules, access patients information and upload medical reports.

Implementation and discussion

Here’s an outline for implementing an online doctor appointment system:

Task completed:

* User registration and login with access tokens.
* The booking of the appointment is implemented.
* View the availability of the doctor.
* View the patient appointment by doctor.
* View the reports of the patients by doctor.

Task remaining:

* Implementation of email verification.
* Web notification for status update .
* Implementation of messaging.
* Implementation of online payment platform and patient dashboard.