**National University of Computer and Emerging Sciences**



SDA Project Proposal

(Online Medical Management System)

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* Introduction

This software application will work as a platform for patients to book appointments with doctors. Patients can view the doctors qualification, experience and reputation (reviews). They will have to register themselves and provide their health history along with their general identity details (phone number, email etc.). Moreover, patients can leave a review after their sessions with the doctors. All in all, this application will be a complete package to connect doctors and patients.

* Functionalities

The following section contains all the functionalities proposed for this project.

2.1 Sign up

Patients will register themselves by providing their details and medical history.

2.2 Login

Login of both users (doctors and patients) and admin will be done through valid credentials.

2.3 Admin Functionalities

2.3.1 Check Appointments

Admin can view the requested appointments.

2.3.2 Approve an appointment

Admin can approve the book appointment requests of patients depending upon the schedule of the requested doctor. Once an appointment is approved a unique token number will be given to that specific patient.

2.3.3 Reject an appointment

Admin can reject the book appointment requests of patients depending upon the schedule of the requested doctor.

2.3.4 Enroll Doctor

Admin can enroll a new dooctor in the system.

2.3.5 View Doctor Schedule

Doctors schedule will be visible when searching.

2.4 Doctor Functionalities

2.4.1 View Patient Profile

Doctors can view the requested patient’s personal details.

2.4.2 View Patient History

Doctors can view the requested patient’s medical history.

2.4.3 Precribe Medicine or Tests

Doctors can prescribe medicine or tests to that specific patient.

2.5 Patient Functionalities

2.5.1 Book Appointment

In order to book appointments with the preferred doctor, patients will have to send a request and wait from approval from the admin. Once approved the appointment will be visible on the patients profile.

2.5.2 View Departments

The patients can view departments enrolled in the system.

2.5.3 View Doctors

The patients can view doctors enrolled in a specific department.

2.5.4 View a Doctors Details

The patients can view the selected doctors details like specialisation and review of that doctor.

2.5.5 View History

The patients can view their history.

2.5.6 View Prescription

The patients can view their prescription.

2.5.7 Advanced Payment on approved requests

The patients will have to pay in advance to get themselves checked by that doctor.

2.5.8 Leave a Review for any doctor

The patients can leave a review for a specific doctor that they have got themselves checked from.