E-DIAGNOSTIC LABORATORY MANAGEMENT SYSTEM

ABSTRACT

Project Guide: Submitted By,

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E-DIAGNOSTIC LABORATORY MANAGEMENT SYSTEM

Abstract

It is an online diagnostic lab management website that brings up various diagnoses working online. Here patients get an option to access the laboratory and register on their site and login using registered details. After registration the patients may now see a variety of tests conducted by the lab along with their costs. The system allows patients to do the bookings for various tests like CBC, Blood Glucose, KFT, LFT, Hemoglobin, WBC, etc. The system allows users to book any test needed in available slots and after successful booking, system calculates costs and allows users to pay online. After this the patient may service in 2 ways: One can go to laboratory for sample extraction or lab may now collect samples from patient's registered address by staffs. After successful testing, the patient gets a notification of test result in their profile.

The second function of the system is to provide an e-commerce system for purchasing of health monitoring devices.This module provides a platform for users to purchase health monitoring devices that contribute to proactive health management.

The proposed e-diagnostic lab management can be accessed in 4 modules:

- ➢ Admin

- ➢ Patient

- ➢ Staff

- ➢ Delivery boy

Modules and Functionalities

Admin functionalities

- User management : Manage user accounts,permissions,appointment details,add or edit reports of patients

- Laboratory management

- Booking Management : Managing booking of available slots , secure and complete payment.

-Add health monitoring devices on the e-store.

-Manage the products on e-store,their selling,payment.

-Manage the staffs

-Manage the delivery boy.

Patient functionalities

-Registration : The patient can register in the site with all the details in

the registration form.

-Login with registered username and password

-browse for available services and take appointment by doing payment.

-View report on test and history of test

-Buy products from e-store

-Add products to cart

-add/update Shipping address.

-view purchase history.

-Track shipping of products and notifications.

-Reviews and ratings.

Staff functionalities

-Report test results

-Collect samples from intended patient's address and their confirmation .

-Manage personal information .

-view the appointment of patients.

<u>Delivery Boy functionalities</u>

-Shipping of products from e-store and its management.

-OTP verification.

-Profile Management.

<u>Topics to be covered on Mini Project</u>

-registration and login of users

-User portal management.

-laboratory booking and appoinment scheduling

-Home service

-Payment

-Mail confirmation

<u>Topics to be covered on Main project</u>

-E commerce site of health monitoring devices and its management including the delivery boy.

-Live chat for enquiry with assistant.

<u>Technologies implemented</u>

- ➢ Machine Learning
- ➢ Chatbot or Virtual health assistant

<u>Language Preferences</u>

Frontend : HTML / CSS

Backend : Django