

Participants and their roles:

- **Patients**
Patients are people with who come with ailments to the health centre. Patients can either be students or staffs. Each patient much register themselves before availing the services of the health centre.
- **Doctor**
Doctors receive the patient's details and the need for visiting from receptionists. Doctors prescribe medicines and tests to be done if necessary. Doctors can view patient's track of visiting the health centre, the tests done and their result done.
- **Receptionist**
Receptionist coordinates the overall operation of the health centre. Receives the patients, register them if not done already. Gets the basic necessities of their visit and sends the information to the doctor. Receptionists can create new user-id for a doctor and receptionist. Can generate statistics on number of people visiting the health centre for a specified period of time.
- **Pharmacist**
The role of pharmacist begins after the patient has consulted with the doctor. Pharmacist distributes the medicine prescribed and maintains stock registry. Checks notifications to keep track of pharmaceuticals.
- **Laboratory Technician**
Checks for tests to be done on the dashboard sent by the doctor for a patient. The assistant performs the test and uploads the test result.
- **Dressings Assistant**
The assistant takes care of dressings to be done. The pharmaceuticals are also maintained by the assistant. Also maintains a record of all the patients who comes for dressing.
- **Injections Assistant**
The assistant takes care of injections and ECG. The pharmaceutical needed are maintained by the assistant and the assistant also maintains a record of all the patients visiting.

In the following part we consider each page and discuss the need and the function of each component present, starting with the home page.

Home Page

Contains basic information of Health centre of MIT. The home page contains buttons for all the participants which once clicked redirects to the respective pages.

Here is a list of buttons and their functionalities:

Register – Redirects to the Registration page where you can fill out the details to register a new patient. Once filled the details click on the Register button to submit the form.

Doctor – Redirects to the login page where a doctor can enter his login-id and password. Once the credentials are verified, the doctor-desk page loads displaying a list of patients to be attended.

Receptionist – Redirects to the login page where a doctor can enter his login-id and password. Once the credentials are verified, the reception page loads displaying a list of buttons and labels for the receptionist to carry out his function.

Pharmacist - Redirects to the login page where a doctor can enter his login-id and password. Once the credentials are verified, the reception page loads displaying a list of buttons and labels for the pharmacist to carry out his function.

Laboratory – Redirects to the login page where a doctor can enter his login-id and password. Once the credentials are verified, the reception page loads displaying a list of buttons and labels for the laboratory assistant to carry out his function.

Dressing – Redirects to the login page where a doctor can enter his login-id and password. Once the credentials are verified, the reception page loads displaying a list of buttons and labels for the dressing assistant to carry out his function.

Injection – Redirects to the login page where a doctor can enter his login-id and password. Once the credentials are verified, the reception page loads displaying a list of buttons and labels for the injection assistant to carry out his function.

Doctor's Home page

Here is a list of buttons on the doctor's home page and their functionalities

Log –

- **Change Password** – The receptionist can change password by clicking this button
- **Logout** – Enables the user to logout of the session.

A table displays a list of patients to be attended, with their name and the basic details from the receptionist. The doctor may choose to avoid attending the patient and clear the name from the table by click the "Clear" button. The doctor may click on the name of the patient to move to the "Display" page.

Display Page:-

Displays the basic details about the patient, test results, past track record of the patient and provisions to prescribe medicines and lab tests. The doctor shall just search for medicines available in the pharmacy and prescribe it to the patients.

The Receptionist Page

Here is a list of buttons on the receptionist page and their functionalities.

Profile –

- **View Profile** – Clicking on this button takes the user to ‘View Profile’ page where the receptionist can view the details of any patient by choosing whether that give patient is a student or a staff and by entering the reg.id of the patient.
- **Update Profile** – Clicking on this button takes the user to ‘Update Profile’ page where the receptionist can update the details of any patient by choosing whether that give patient is a student or a staff and by entering the reg.id of the patient. Once choses a form appears below and when the details are entered and submitted, it is updated in the database.

Register a Patient – Redirects to the registration page where the receptionist can fill the form to register a new patient.

Patients – Redirects to the statistics page where the receptionist can chose the dates within which she intends to find the stats.

Create new Receptionist – Redirects to the page where the receptionist can fill the form to create a new user login for another receptionist to access the page.

Create new Doctor – Redirects to the page where the receptionist can fill the form to create a new user login for a doctor to access the home page for the doctors.

Log –

- **Change Password** – The receptionist can change password by clicking this button
- **Logout** – Enables the user to logout of the session.

When a patient comes, the receptionist checks the patient-id in the search for text box and if the patient record is not found, the receptionist registers the patient. If found the receptionist asks the queries from the patient enters in the text area and send to them the doctor of choice of the receptionist.

The Pharmacist's Page

Here is a list of buttons on the pharmacist page and their functionalities.

Create new User – Redirects to the page where the pharmacist can fill the form to create a new user login for another pharmacist to access the page.

Stocks – Redirects to the page where the pharmacist to check the stock of the medicines available. The right section of the page enables the pharmacist to add stocks. It also provides way to move existing stock out in case the medicine expires. The medicine button on the page can be used to view the list of medicines to ever have been on the stock list.

Notification – Redirect to the page which displays warnings when the expiry date of a medicine is near or when the stock of a particular medicine is low.

Log –

- **Change Password** – The pharmacist can change password by clicking this button
- **Logout** – Enables the user to logout of the session.

Statistics – Enables the pharmacist to generate report on the sales of medicines on any specific given dates.

The home page displays a table which contains the medicines to be distributed to the patients. When the patient arrives at the pharmacy, the pharmacist can use the right section of the page to enter the medicine name and the quantity to be given to the patient, to generate the bill. Once the bill is generated the medicines can be issued. Once issues the patient name is automatically removed from the table on the page.

Laboratory technician's Home page

Here is a list of buttons on the lab assistant's page and their functionalities.

Create new User – Redirects to the page where the lab technician can fill the form to create a new user login for another technician to access the page.

Stocks – Redirects to the page where the lab technician to check the stock of the pharmaceuticals available. The right section of the page enables the lab technician to add stocks. It also provides way to move existing stock out in case the medicine expires. The medicine button on the page can be used to view the list of medicines to ever have been on the stock list.

Notification – Redirect to the page which displays warnings when the expiry date of a medicine is near or when the stock of a particular medicine is low.

Log –

- **Change Password** – The pharmacist can change password by clicking this button
- **Logout** – Enables the user to logout of the session.

In the home page of the technician, there is table listing the patients along with the tests to be done for them. When the tests are done and the reports are made, the technician can upload the documents using the section on the right side of the home page.

Choose the test done, Patient-Id and the document to be uploaded from the computer and click upload. The document will be uploaded to the server and is available for the doctor to view when needed.