

# User Manual

## Web App for IITG Hospital

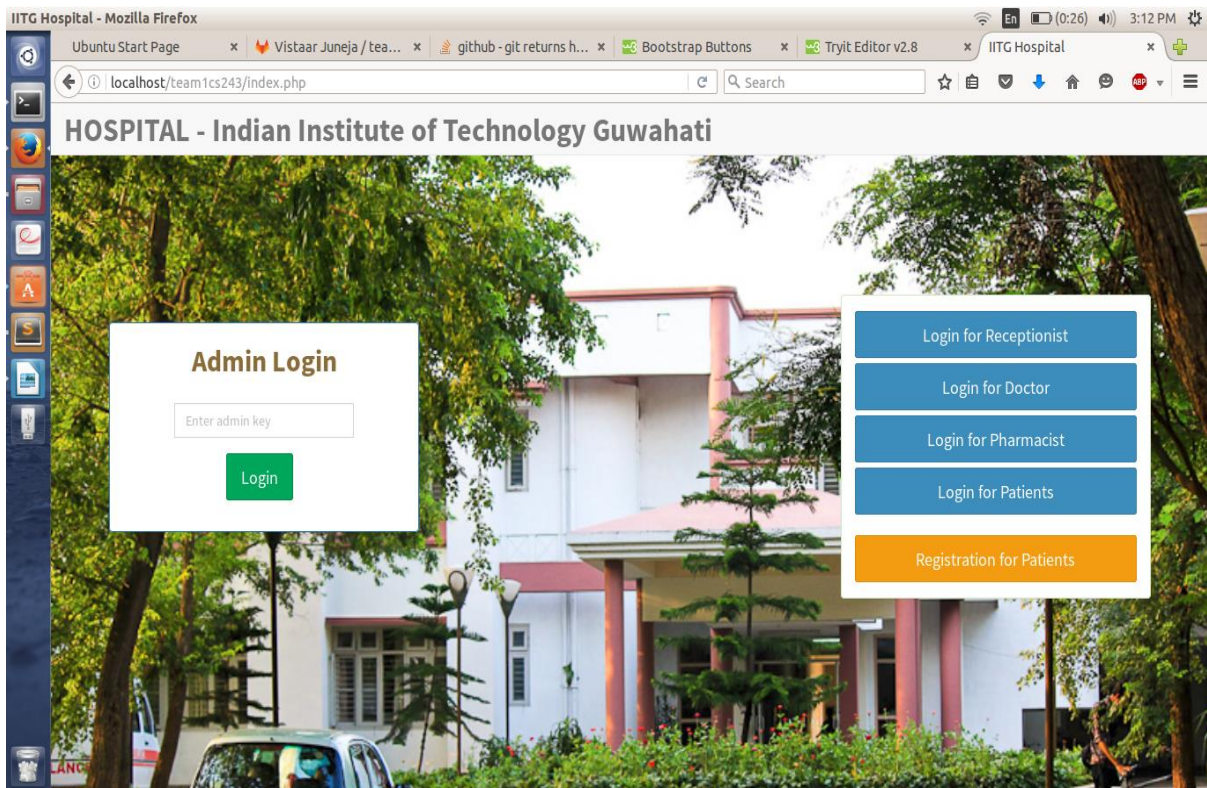
### Introduction

1. Complete automation of the medicine delivery system at the IITG Hospital removing all the middleman paperwork.
2. Keeping in mind the security and accuracy of a patient's medical history, the medical history of any patient is encrypted and is only accessible by the patient.
3. There is an assumed super user which manages the entire staff and has the authority to provide/Update log in details of any staff member.
4. A database is also managed for the medicines currently available in the inventory along with their quantity.
5. The software presents a user-friendly interface which is easy to learn and robust in nature and aims at eradicating all the drawbacks of a system currently in use.

# How to Use?

The index page of the software allows access to all the modules of the product. Here is a screenshot of what it will look like:

## Index Page



# Admin Module

The **ADMIN LOGIN** is for the login of the super user whose access is only allowed to the highest authority. The Admin can view the list of all the existing staff members as well as update any information regarding any staff member. The Admin is the only one who can register any staff member.

The screenshot displays the Admin Panel for IITG Hospital, accessed via Mozilla Firefox. The browser's address bar shows the URL `localhost/team1cs243/admin.php`. The page header includes the title "HOSPITAL - Indian Institute of Technology Guwahati" and a "Logout" link. The main content area is divided into two sections: "List of Hospital Staff Members" and "Register Here".

**List of Hospital Staff Members**

|    |                |              |                              |                        |                        |
|----|----------------|--------------|------------------------------|------------------------|------------------------|
| 1. | Abhishek Yadav | Doctor       | <a href="#">View Profile</a> | <a href="#">Update</a> | <a href="#">Delete</a> |
| 2. | Arpan          | Doctor       | <a href="#">View Profile</a> | <a href="#">Update</a> | <a href="#">Delete</a> |
| 3. | Vistaar        | Receptionist | <a href="#">View Profile</a> | <a href="#">Update</a> | <a href="#">Delete</a> |
| 4. | Ankit          | Office       | <a href="#">View Profile</a> | <a href="#">Update</a> | <a href="#">Delete</a> |
| 5. | Vistaar Juneja | Doctor       | <a href="#">View Profile</a> | <a href="#">Update</a> | <a href="#">Delete</a> |
| 6. | new admin      | Doctor       | <a href="#">View Profile</a> | <a href="#">Update</a> | <a href="#">Delete</a> |
| 7. | new admin2     | Doctor       | <a href="#">View Profile</a> | <a href="#">Update</a> | <a href="#">Delete</a> |
| 8. | new admin3     | Doctor       | <a href="#">View Profile</a> | <a href="#">Update</a> | <a href="#">Delete</a> |

**Register Here**

Name:

Username:

Email:

Password:

Confirm Password:

Date of Birth:

Gender: ☐ Female ☐ Male ☐ Other

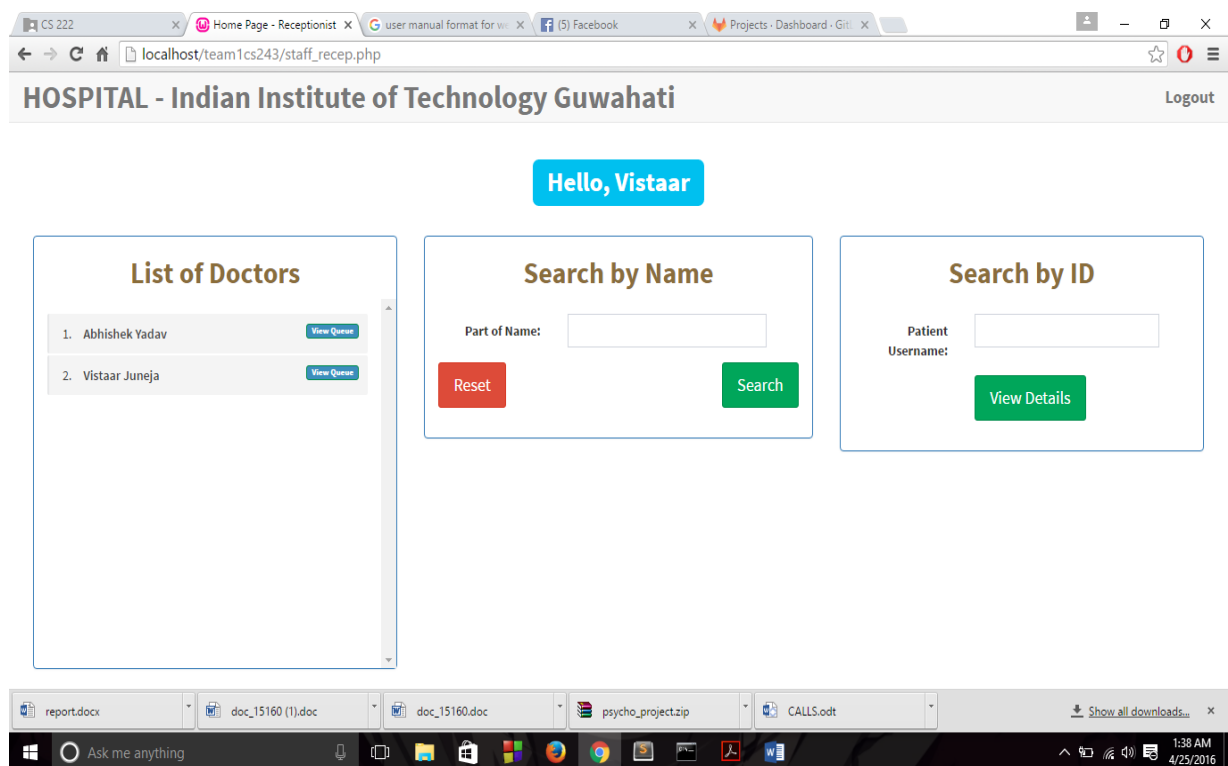
Designation:

[Reset](#) [Register](#)

# Receptionist Module

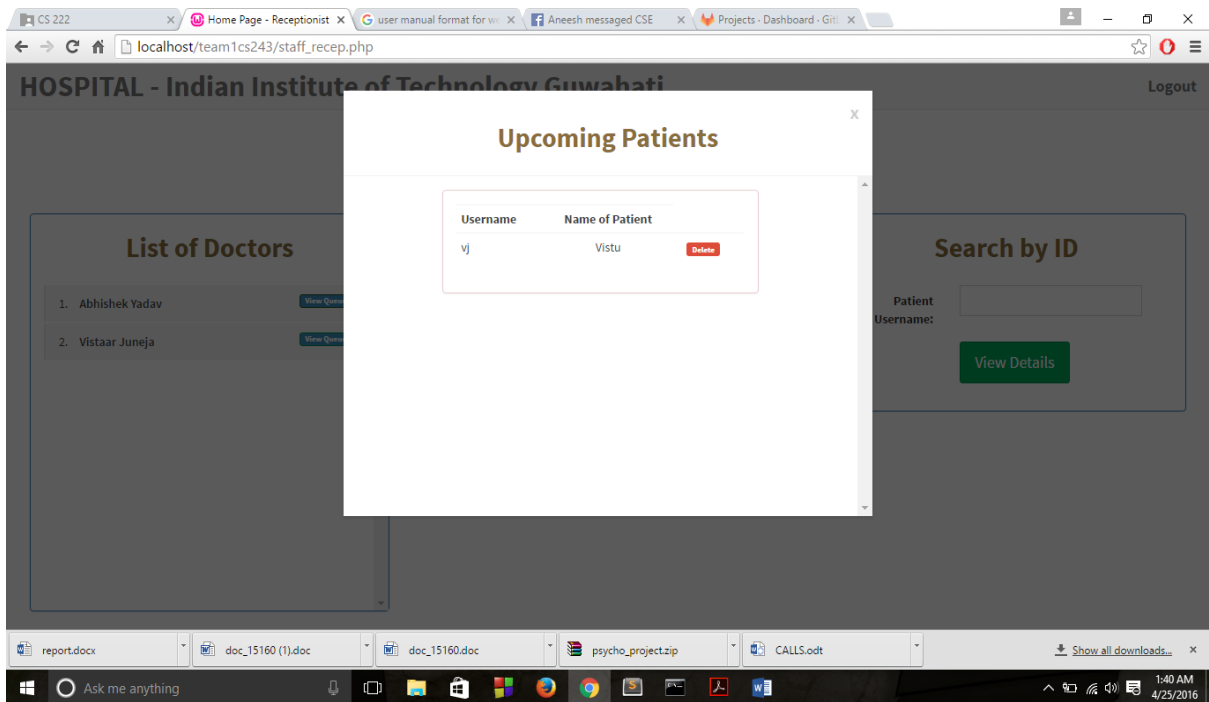
The **Receptionist module** is where the staff member who is registered as a receptionist can log in with the login id password provided by the Admin.

The receptionist page looks like this:

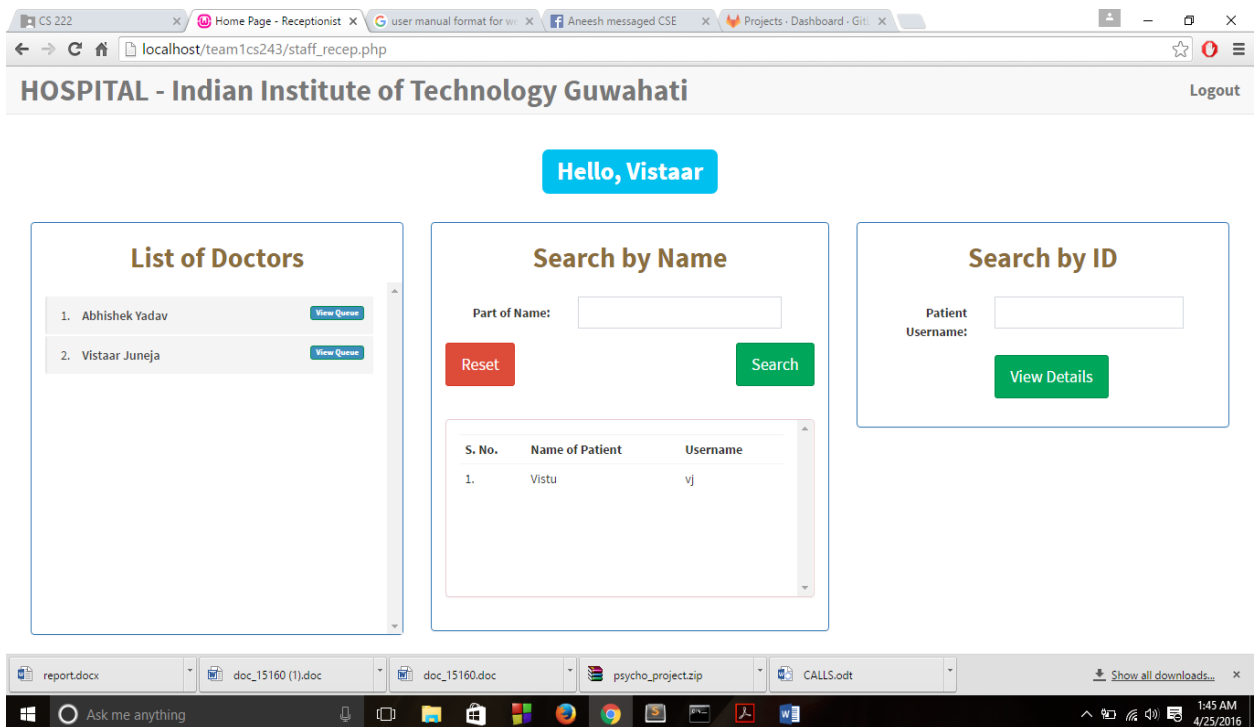


The left table shows the list of all available doctors and the view queue options lets the receptionist see the queue of patients associated with the respective doctor.

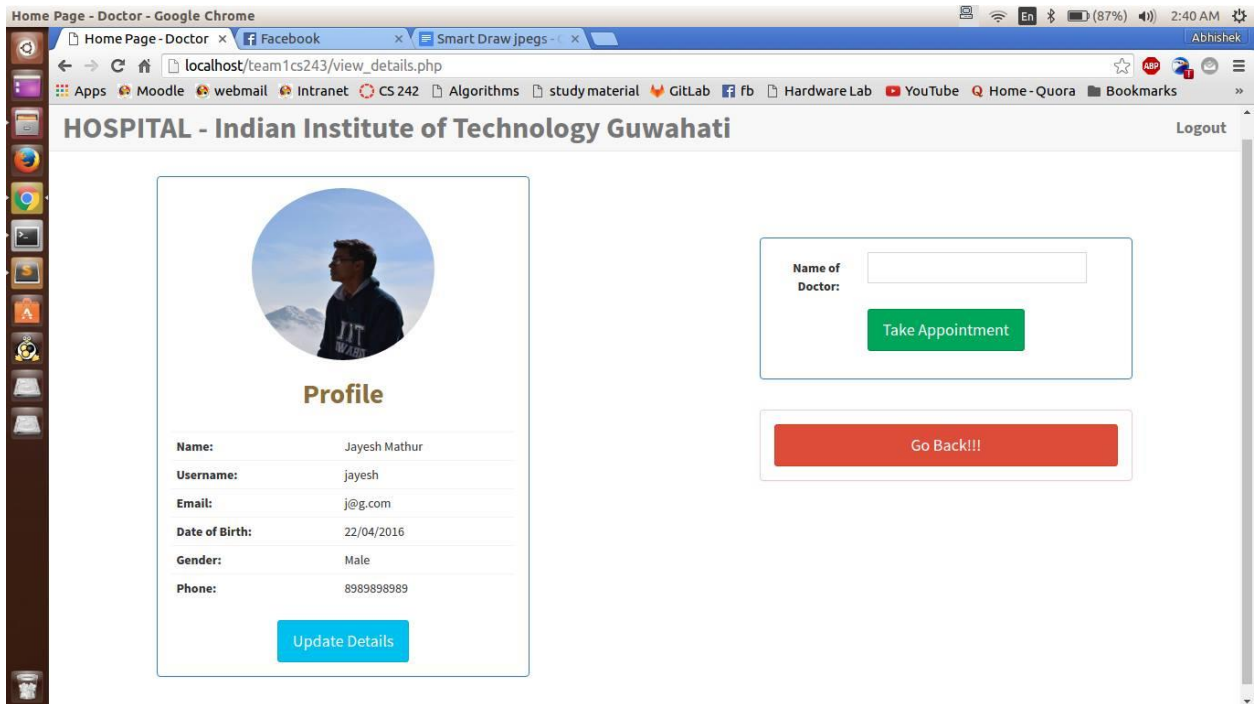
The view queue button will result in the following box displaying the queue of the selected doctor.



The box in the middle (receptionist page) lets the receptionist search the name and user id of patients by the part of their name. The corresponding screenshot is shown:



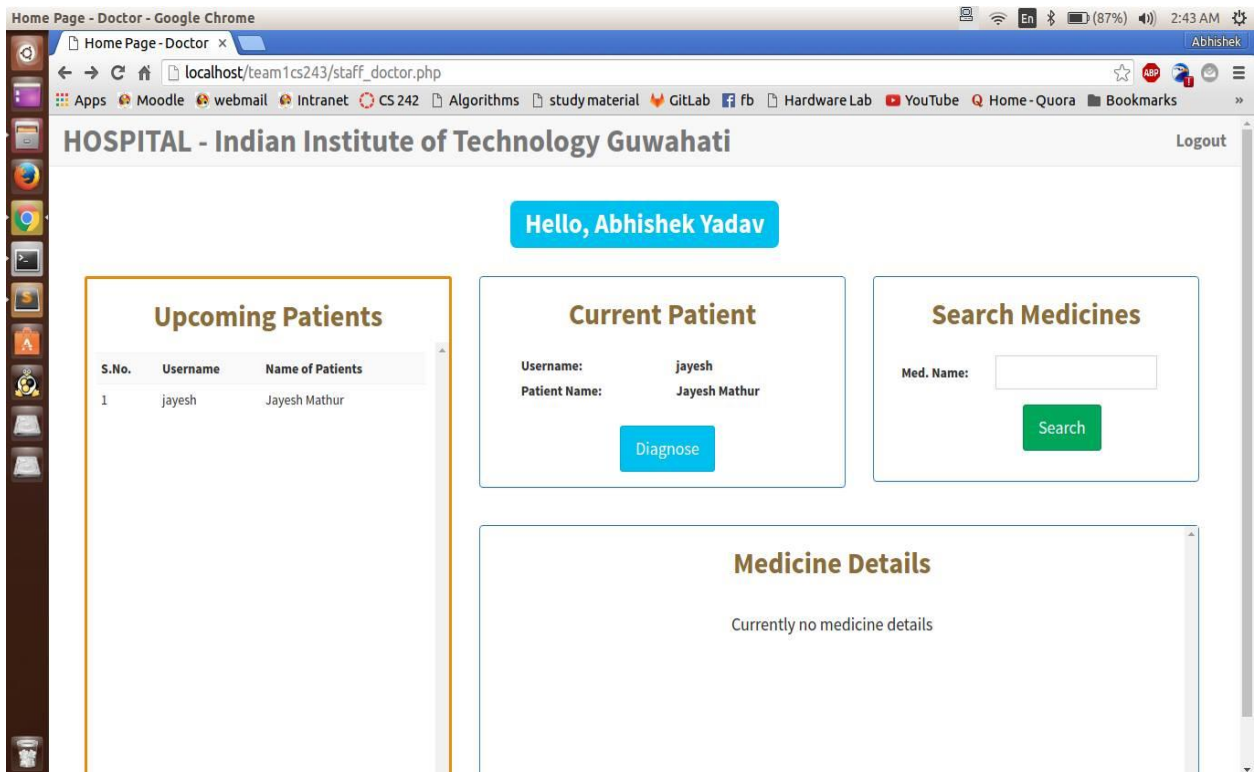
The right box on this page allows the receptionist to access the patient's profile using the username. The receptionist can then give an appointment on behalf of the patient to any doctor that is available.



The left box allows the receptionist to update the information of the patient while the right box is to give a doctor's appointment.

# Doctor Module

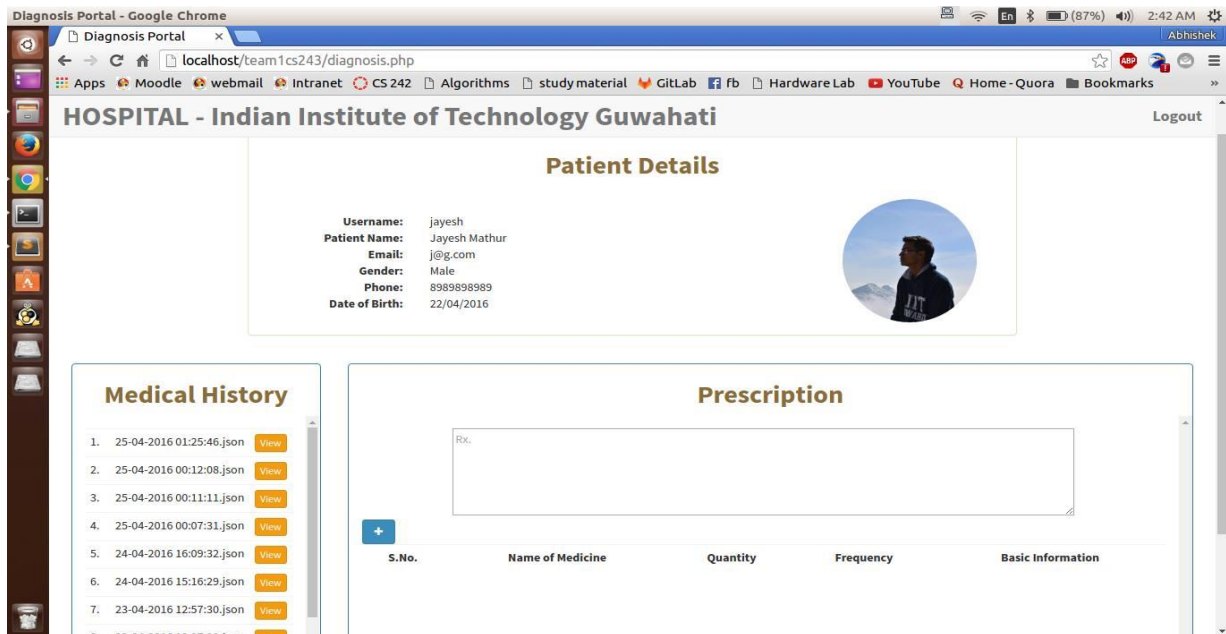
Coming back to the Index page, the **DOCTOR** page can be accessed by a staff member that is registered by the Admin as a doctor. The page will be as shown:



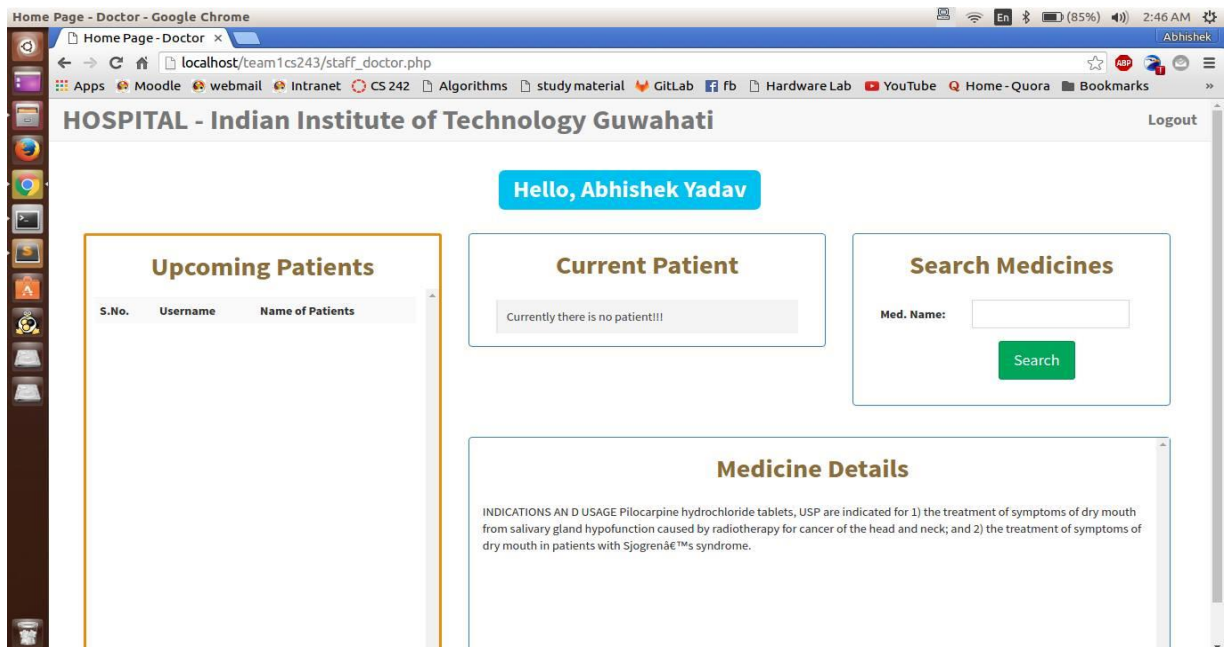
The left box indicates the list of upcoming patients that have an appointment with the doctor that is logged in.

The middle box lets the doctor diagnose the top most patient, as entered in the queue and this leads to the diagnosis page which is as shown:





The diagnosis page has the patient details and a box where the doctor can write prescription. In the main box the doctor will write the diagnosis and the doctor can prescribe as many medicines by using the add button to add more rows. The search medicine box on the right on the doctor's page allows the doctor to search for the indication and usage of any medicine. If we search for paracetamol the results will be shown as below:





# Pharmacist Module

Coming back to the index page, the next is the **PHARMACIST page**. Any staff member which has been registered by the admin as a pharmacist can use his login credentials to login to this module.

The left table shows the list of patients who have been diagnosed by the doctor and are in queue to receive their medicine. The pharmacist can click the generate receipt to generate the receipt which can be printed and the medicine will be given to the patient. The medicine inventory is updated accordingly.

The left box shows the entire medical inventory that is available at the moment. The pharmacist can always look at the entire inventory at any time.

The screenshot shows a web browser window with multiple tabs. The active tab is 'Home Page - Pharmacist' at the URL 'localhost/team1cs243/staff\_pharma.php'. The page header includes 'HOSPITAL - Indian Institute of Technology Guwahati' and a 'Logout' link. A blue button says 'Hello, Arpan'. The main content area is divided into two sections:

- Upcoming Patients:** A table with 4 columns: S.No., Username, Name of Patients, and Receipt files. It contains 2 rows of patient data, each with a 'Generate pdf' button.
- Medical Inventory:** A table with 4 columns: S.No., Medicine, Quantity left, and Expiry Date. It contains 3 rows of inventory data.

The Windows taskbar at the bottom shows the system clock as 2:03 AM on 4/25/2016, along with various application icons and a search bar.

| S.No. | Username | Name of Patients | Receipt files                |
|-------|----------|------------------|------------------------------|
| 1     | vj       | Vistu            | <a href="#">Generate pdf</a> |
| 2     | vj       | Vistu            | <a href="#">Generate pdf</a> |

| S.No. | Medicine    | Quantity left | Expiry Date |
|-------|-------------|---------------|-------------|
| 1     | Levodopa    | 5             | 04/04/2016  |
| 2     | Paracetamol | 10            | 30/04/2016  |
| 3     | Tylenol     | 2             | 27/04/2016  |

The general receipt format is as shown:

Home Page - Pharmacist - Google Chrome

localhost/team1cs243/receipt.php?id=10

Abhishek

Apps Moodle webmail Intranet CS 242 Algorithms study material GitLab fb Hardware Lab YouTube Home - Quora Bookmarks

### Medical Receipt

Doctor Name: Abhishek Yadav  
Date & Time: 25-04-2016 & 02:45:00  
Patient Username: jayesh  
Patient Name: Jayesh Mathur

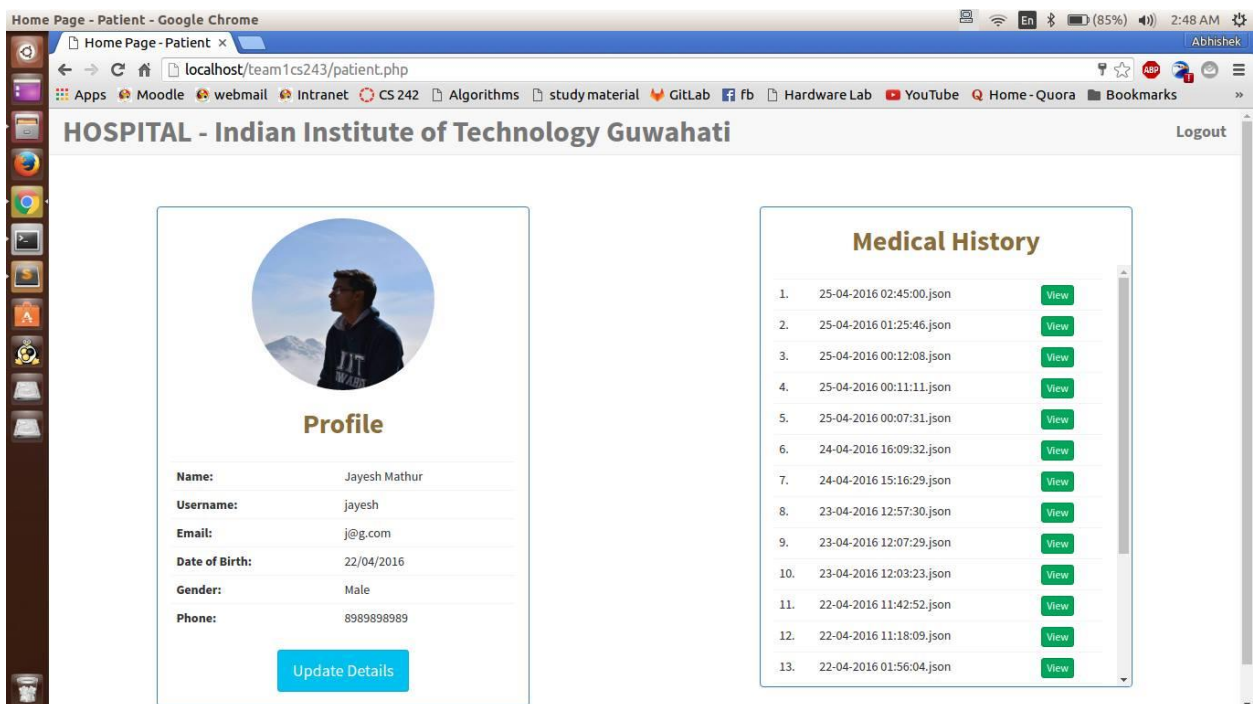
| S.No. | Name of Medicine | Quantity | Frequency    | Basic Information |
|-------|------------------|----------|--------------|-------------------|
| 1     | paracetamol      | 2        | twice a day  | after meal        |
| 2     | vickss           | 1        | before sleep | afssd             |

Back

# Patient Module

The **PATIENT** page can be accessed by the login for patient button and by all the patients who have a valid login id and password.

The screenshot of the patient module is as shown:

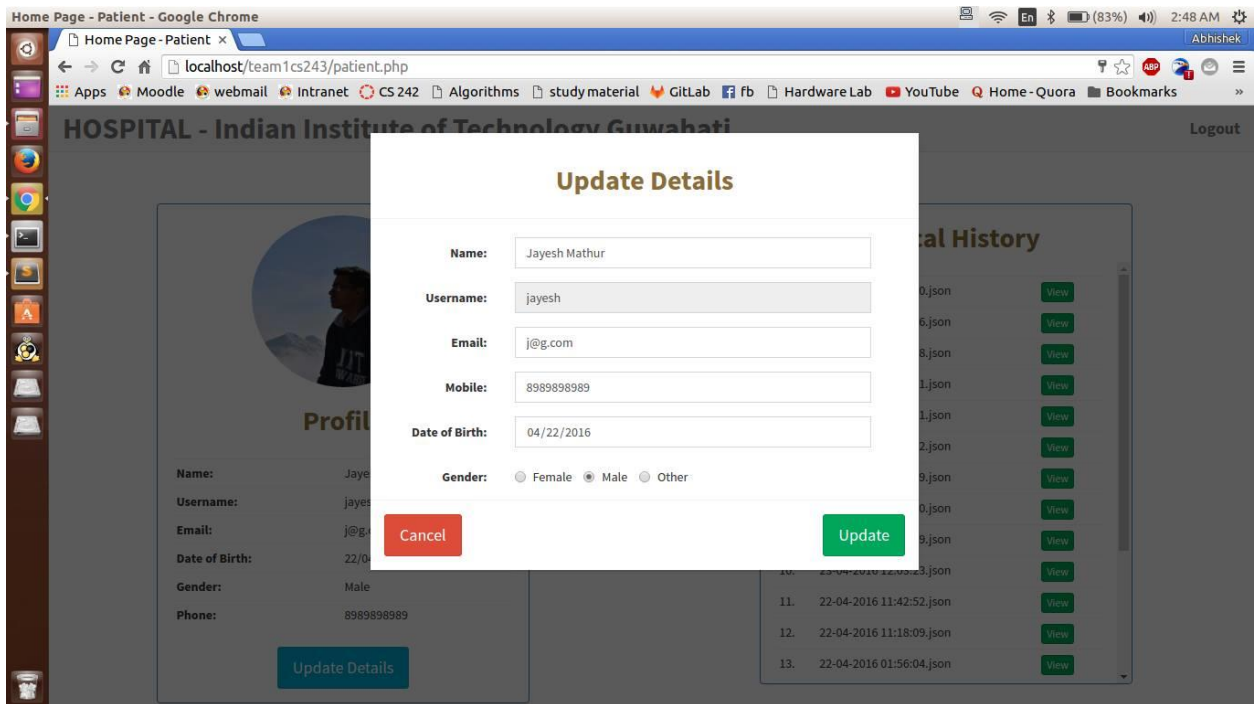


The right box contains the list of all the previous visits of the patient which comprises of the patient's medical history. The patient can view his entire medical history from this box. The left box allows the patient to update his/her details.



The patient can update his/her info using the update details button.

The resulting window will look like this:



The Final button on the Index page is that for registering the patients where anyone can register them as a patient. The page will look like this:

The screenshot shows a web browser window with the address bar displaying `localhost/team1cs243/patient_register.php`. The page has a header with the text "HOSPITAL - Indian Institute of Technology Guwahati" and a sub-header "Register Here". The registration form contains the following fields and controls:

- Name:
- Username:
- Password:
- Confirm Password:
- Email:
- Mobile:
- Date of Birth:
- Gender: ☐ Female ☐ Male ☐ Other
- Profile Picture: (only .jpg files)  No file chosen

At the bottom of the form are two buttons: a red "Reset" button and a green "Register" button.

The browser's taskbar at the bottom shows several open files: `report.docx`, `doc_15160 (1).doc`, `doc_15160.doc`, `psycho_project.zip`, and `CALLS.odt`. The system clock indicates the time is 2:16 AM on 4/25/2016.