

INDIAN INSTITUTE OF TECHNOLOGY(GUWAHATI)



Software Engineering Project (Hospital Management System)

Instructor Prof: Dr. P. K. Das

HOSPITAL MANAGEMENT SYSTEM USER MANUAL

(Group: 5)

HOME PAGE

HOME

LOGIN

INFO

CONTACT

IITG HOSPITAL



Welcome to IITG HOSPITAL MANAGEMENT SYSTEM

INTRODUCTION

This Web Application is for management and smooth functioning of the IITG HOSPITAL SYSTEM.

Developed by :

1. Tarun Sharma
2. Vivek Kumar
3. Jitendra Choudhary
4. Nikit Begwani(Team Leader)
5. Varun Raj
6. Kushal Chawla
7. Ajinkya
8. Piyush Kedia
9. Revanth Chetluru
10. Yash Mehta
11. Prabodh Shetty
12. Nikhil Agarwal
13. Arnav Vohra
14. Pavaaneswar
15. Abhishek Kumar
16. Prarabdha Soni
17. Kshitiz Agarwal

Let's start

Installation guide

Before installing , be sure to read the User Manual, supplied with the software.

Login

WELCOME. PLEASE LOGIN.

Username

LOGIN

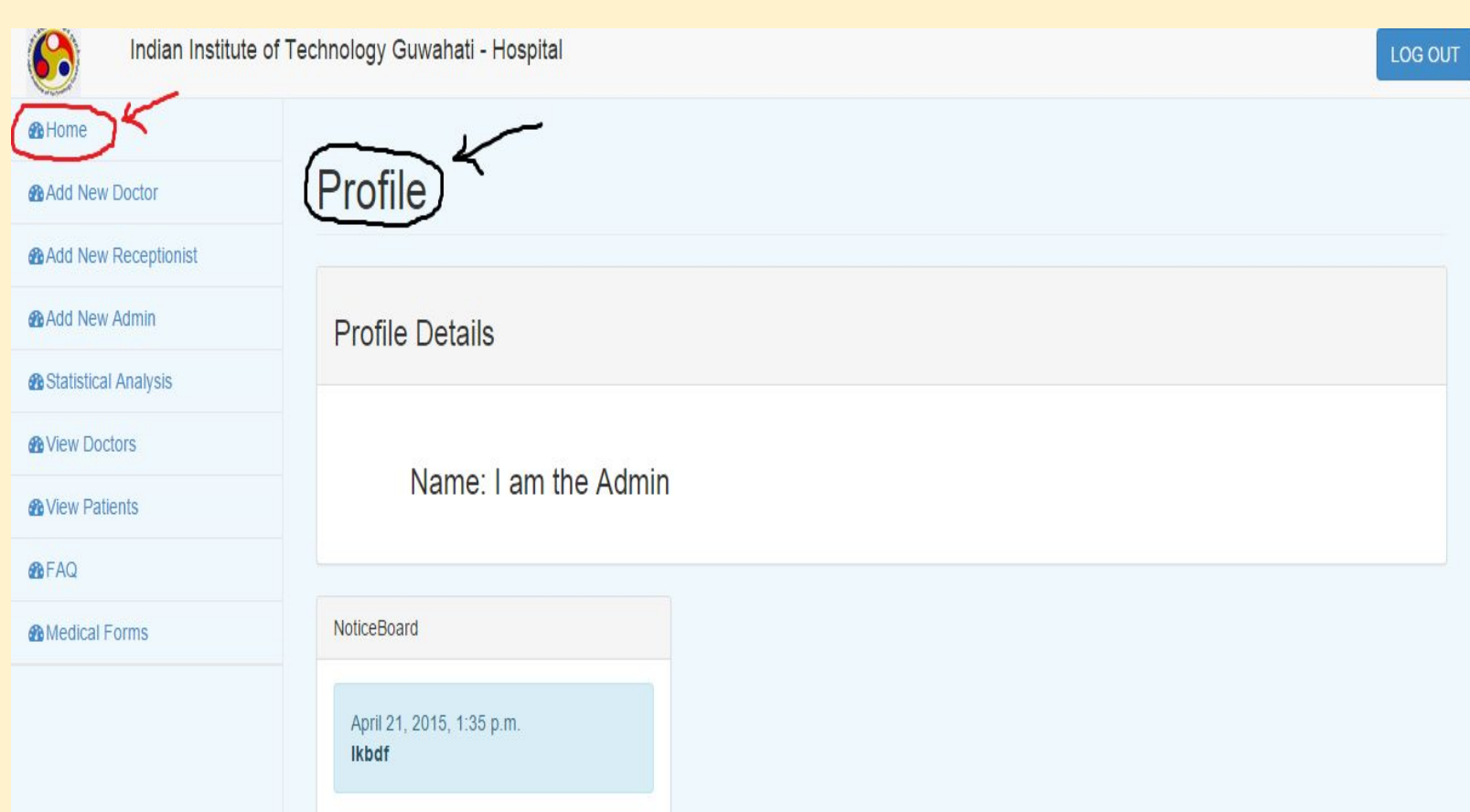
Admin Login

If you are administrator, then you have to enter username = admin and password = admin.

And you will directed to the next page, which contains the profile of the admin along with other features as described below.

FEATURES

PROFILE



This is the home page that appears after admin logs in.
He can also access this page by clicking on home on left panel.

ADD NEW DOCTOR

Here the admin can add a new doctor along with speciality and password and then click on the add doctor button.



Home

Add New Doctor

Add New Receptionist

Add New Admin

Statistical Analysis

View Doctors

View Patients

FAQ

Medical Forms

NEW DOCTOR

Enter Doctor Details :

username: password:
 name: speciality:
 qualification:

Select an Image:

No file chosen

max 1 megabytes

ADD NEW RECEPTIONIST

Here the admin can add a new receptionist and a password for him/her to access the site and click on add receptionist.



Home

Add New Doctor

Add New Receptionist

Add New Admin

Statistical Analysis

View Doctors

View Patients

FAQ

Medical Forms

NEW RECEPTIONIST

Enter Receptionist Details :

username: password:

name:

Select an Image:

No file chosen

max 1 megabytes

ADD NEW ADMIN

Here the admin can add a new admin after giving name, user name and password and clicking submit.



Home

Add New Doctor

Add New Receptionist

Add New Admin

Statistical Analysis

View Doctors

View Patients

FAQ

Medical Forms

NEW ADMIN

Enter Admin Details :

User Name:

hjfgcgef

Password:

Name:

wdgggygfyl

Submit

STATISTICAL ANALYSIS



- Home
- Add New Doctor
- Add New Receptionist
- Add New Admin
- Statistical Analysis**
- View Doctors
- View Patients
- FAQ
- Medical Forms

Statistical Analysis

Graphs of Diseases

Disease Name

Leave blank for complete data

Start Date

YYYY-MM-DD

End Date

YYYY-MM-DD

Generate Graph

Reset

Graphs of Medicine

Medicine Name

Leave blank for complete data

Start Date

YYYY-MM-DD

End Date

YYYY-MM-DD

Generate Graph

Reset

Follow Up graph

Start Date

YYYY-MM-DD

End Date

YYYY-MM-DD

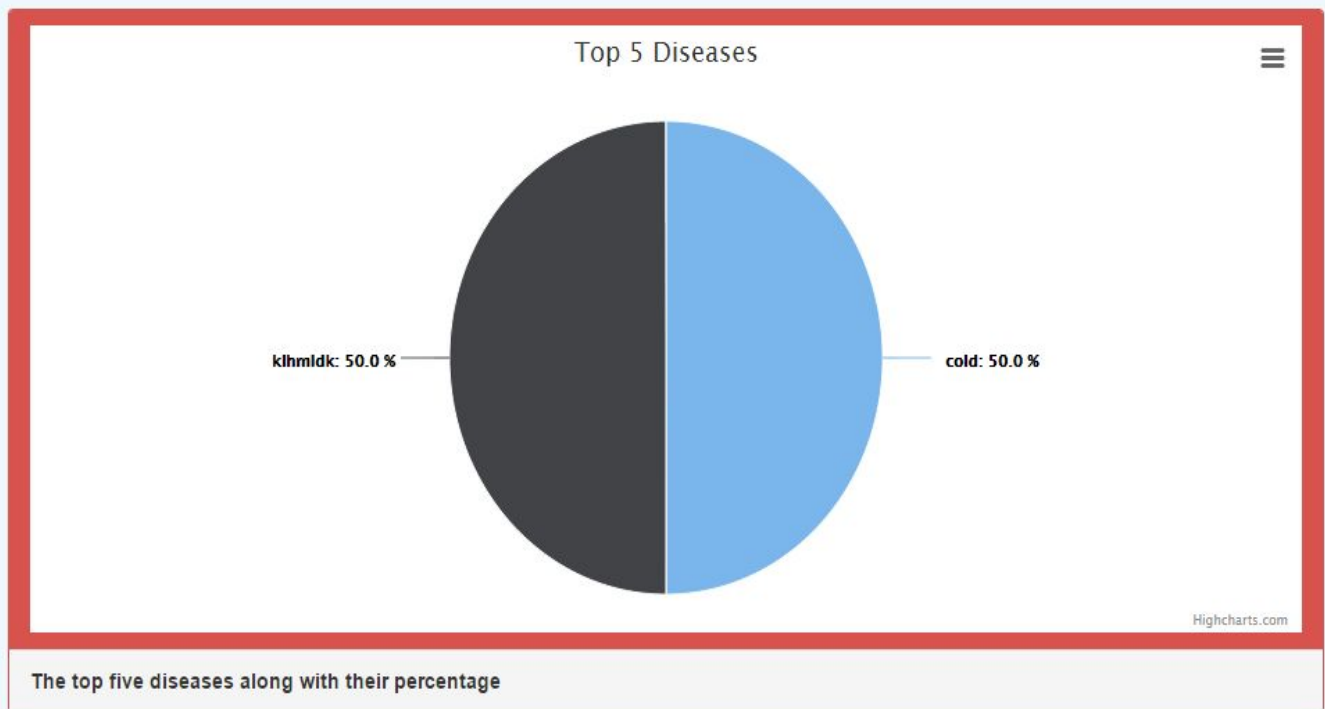
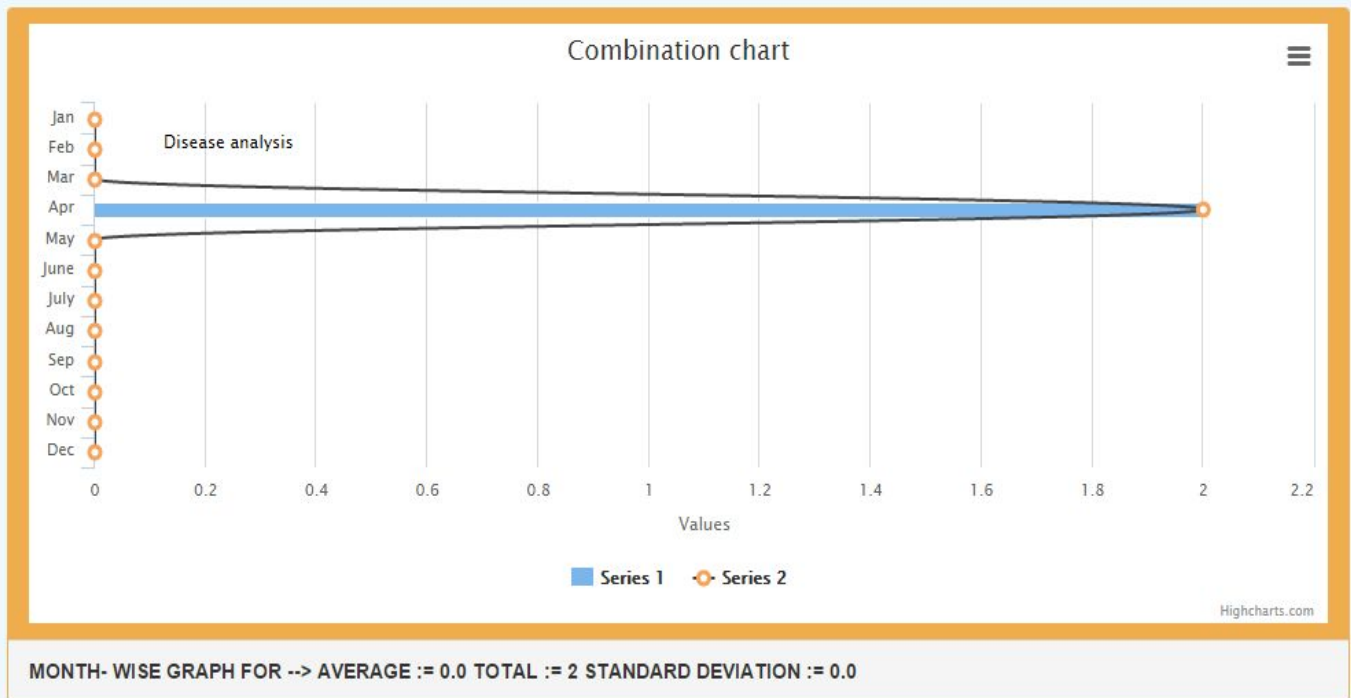
Generate Follow Up Graph

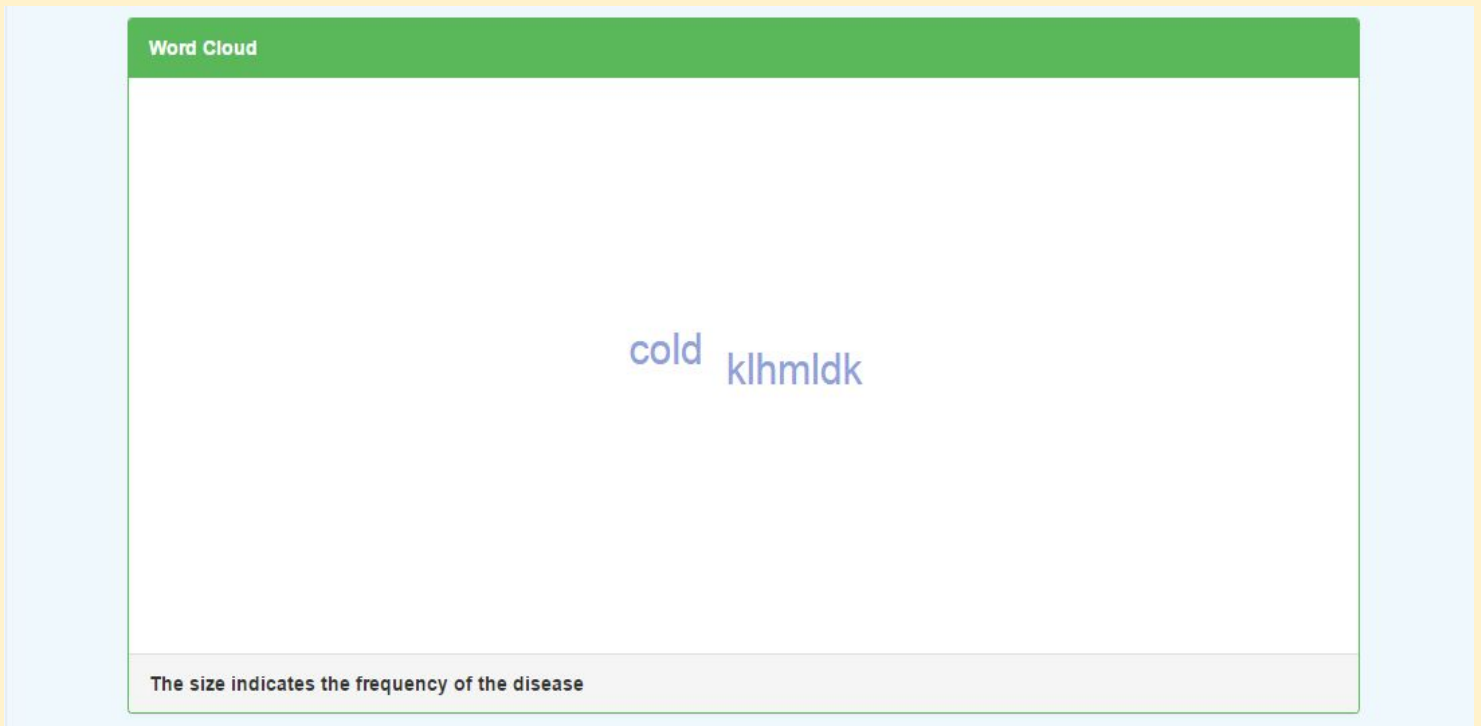
Reset

Here the admin can view Graph of diseases, graph of medicine or follow up graph, giving him idea about the frequency of diseases after entering the required fields.
He's redirected to a new page.

An example is the following :

Disease Graphs





VIEW DOCTORS

On right panel, clicking at view doctors takes him to the list of all doctors as shown.

Indian Institute of Technology Guwahati - Hospital

LOG OUT


- Home
- Add New Doctor
- Add New Receptionist
- Add New Admin
- Statistical Analysis
- View Doctors**
- View Patients
- FAQ
- Medical Forms

Present Doctors List

Name	Speciality	Qualification	Schedule
I am Doctor.	ENT Doc	PhD	NA
I am DocDoc	ENT	PHD	

Here the admin can view all the doctors according to name, speciality, qualification and schedule.

VIEW PATIENTS


Indian Institute of Technology Guwahati - Hospital
LOG OUT

- Home
- Add New Doctor
- Add New Receptionist
- Add New Admin
- Statistical Analysis
- View Doctors
- View Patients**
- FAQ
- Medical Forms

Present Patients List

Patients Record						
Username	Registration No.	Name	Age	Height	Weight	Outsider
patient	X	PATPAT	19	5.16		
new	X	new	0			

Here admin can view all the the registered patients details.

FAQ(Frequently Asked Question)

Clicking on FAQ on right panel takes him to an faq page in new tab.

Frequently Asked Questions

What are the medical facilities provided by the Institute?

Institutes medical facility has three major components. i) Out Patient Treatment and Referrals (OPD), ii) In Patient Treatment and Referrals (IPD).

What are the prevailing medical rules of the Institute?

The medical rules are available on the Intranet site http://shiloi.iitg.ernet.in/~establishment/Medical_Rules/Revised_Medical_Rules.pdf

What is Medical Insurance Scheme (MIS) of the Institute?

In order to outsource the medical reimbursements towards the expenses of IPD, the Institute has chosen a "Group Medical Insurance Policy" offered by an Insurer. The Institute takes this policy every year through a tendering process. This is the MIS of the Institute. blocks of Rs. 1 lakh upto the top-up of Rs. 5 lakhs. The top-up premium shall be paid by the employee.

Who will process the reimbursement claims?

The Insurer shall engage an agency called Third Party Administrator (TPA) through which the reimbursement claims will be processed.

MEDICAL FORMS


Click on logout on upper right corner.

Clicking on Medical forms takes him to a new page as shown where he can see all the forms.

Medical Forms

Reimbursement Form For OPD Treatment by Institute Doctor	FORM 1	pdf	doc
Reimbursement Form For OPD Treatment by Outside Doctor	FORM 2	pdf	doc
Reimbursement Form For Indoor Treatment	FORM 3	pdf	doc
Medical Leave Form	FORM 4	pdf	doc
Medical certificate of Fitness to Return to Duty	FORM 5	pdf	doc
Annexure-A	FORM 6	pdf	doc

LOG OUT

 Indian Institute of Technology Guwahati - Hospital

[Home](#)
[Add New Doctor](#)
[Add New Receptionist](#)
[Add New Admin](#)
[Statistical Analysis](#)
[View Doctors](#)
[View Patients](#)
[FAQ](#)
[Medical Forms](#)

[LOG OUT](#)

Present Patients List

Patients Record						
Username	Registration No.	Name	Age	Height	Weight	Outsider
patient	X	PATPAT	19	5.16		
new	X	new	0			

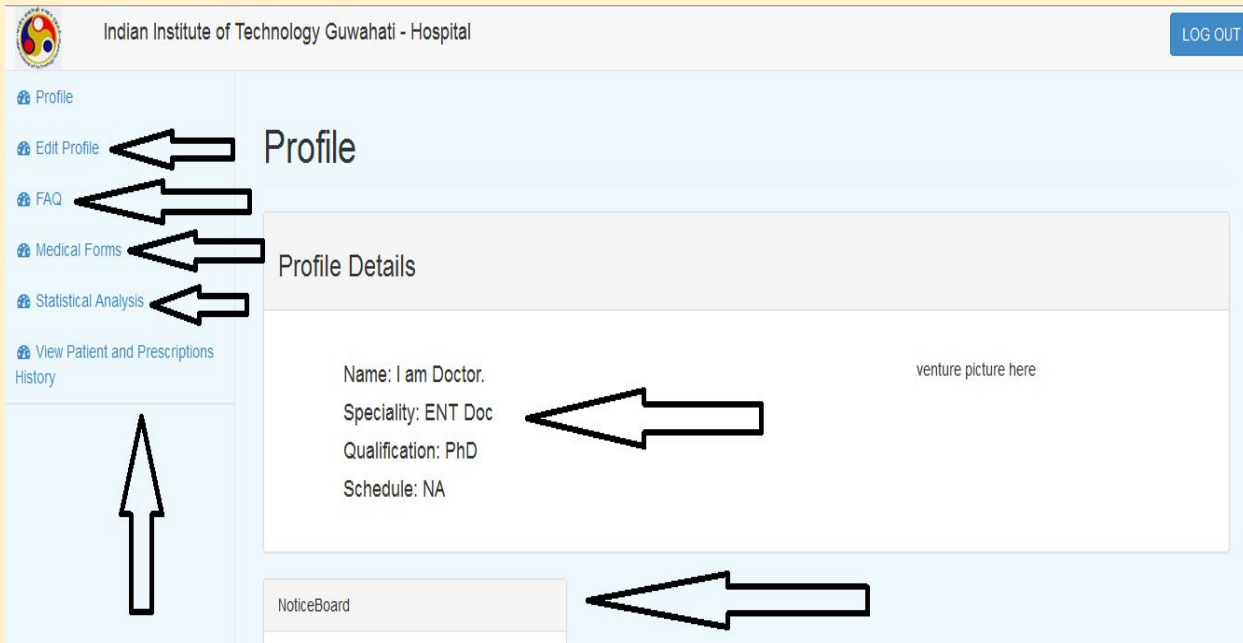
Doctors login



On clicking the circle given in above image you will see a login page.
Enter the credentials for "Doctor Login" for authentication.(Default username='doc',
password='doc'.)
As shown in the image below.

The image shows a login form on a light blue background. At the top, it says 'WELCOME, PLEASE LOGIN.' Below this are two input fields: 'Username' and 'Password'. A large black arrow points to the 'Username' field. Below the 'Password' field is a green button labeled 'LOGIN'. Another large black arrow points to the 'LOGIN' button.

After successful login you will be directed to the homepage of doctor.



Here you can see the profile as a doctor.

You can also:

1. Edit profile.
2. See FAQs and medical form.
3. Can see statistical analysis of the disease.
4. And most important patient and prescription history.
5. Also notice board.

To edit his profile info.

Edit Your Profile Here:

Name	<input type="text" value="I am Doctor."/>
Speciality	<input type="text" value="ENT Doc"/>
Max. 100 characters	
Qualification	<input type="text" value="PhD"/>
Max. 100 characters	
Schedule	<input type="text" value="NA"/>
<input type="button" value="Update Profile"/> <input type="button" value="Reset"/>	

Click update profile button after filling the data.

Medical prescription of patient with patient name, date, symptoms,disease and medicine.

PREVIOUS PRESCRIPTIONS

PATIENT NAME	DATE	SYMPTOMS	DISEASE	MEDICINE
PATPAT	April 14, 2015	fever, running nose	cold	Montek LC
new	April 19, 2015	lkfmbklfmkl	klhmldk	lkdbmlksmbik

You can see the statistical analysis of given period of time by putting start and end date, as shown in the image below.

Statistical Analysis

Graphs of Diseases

Disease Name

Start Date

End Date

Similarly for medicine and for overall also.

You can logout anytime from any page by clicking the dark blue button on top right corner of the page as shown below.

Profile

Profile Details

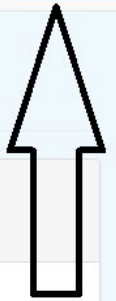
Name: I am Doctor.

Speciality: ENT Doc

Qualification: PhD

Schedule: NA

venture picture here



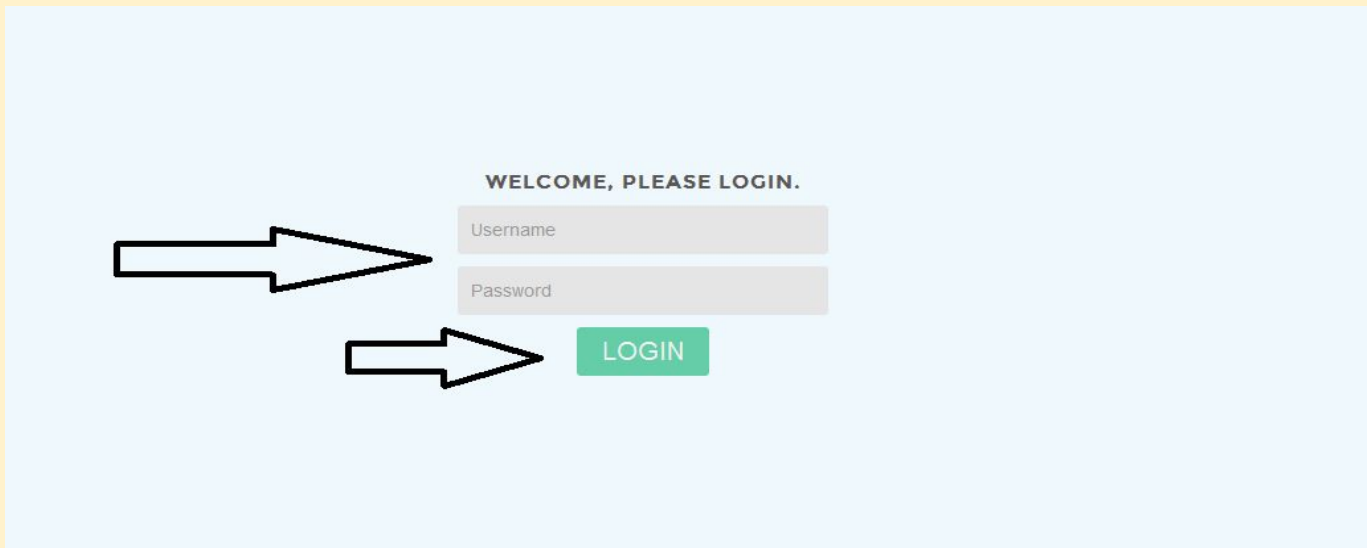
**THAT'S IT !!!! YOU ARE DONE WITH DOCTOR
LOGIN :)**

PATIENT LOGIN



On clicking the circle given in above image you will see a login page.
Enter the credentials for "Patient Login" for authentication.(Default username='patient',
password='patient'.)

As shown in the image below.



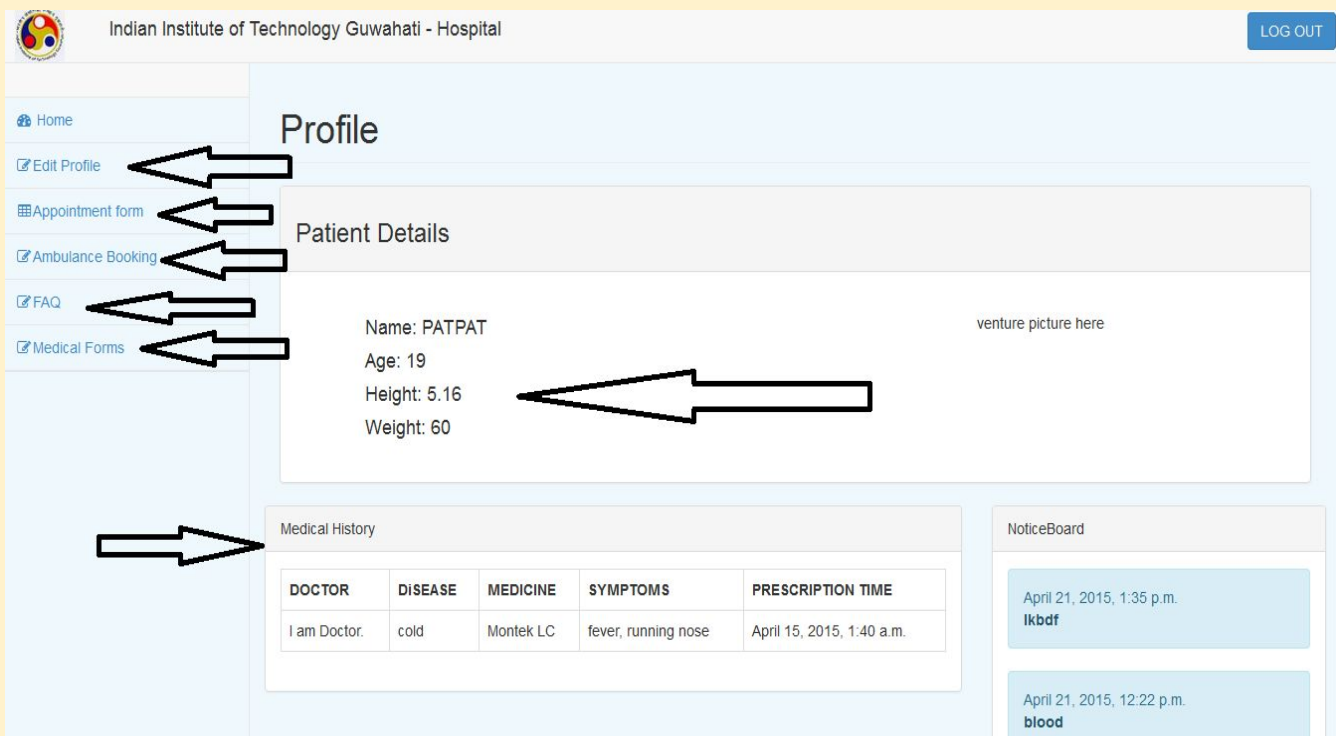
WELCOME, PLEASE LOGIN.

Username

Password

LOGIN

After successful login you will be directed to the homepage of patient.
As shown in the image below.



Indian Institute of Technology Guwahati - Hospital

LOG OUT

Home

Edit Profile

Appointment form

Ambulance Booking

FAQ

Medical Forms

Profile

Patient Details

Name: PATPAT

Age: 19

Height: 5.16

Weight: 60

venture picture here

Medical History

DOCTOR	DISEASE	MEDICINE	SYMPTOMS	PRESCRIPTION TIME
I am Doctor.	cold	Montek LC	fever, running nose	April 15, 2015, 1:40 a.m.

NoticeBoard

April 21, 2015, 1:35 p.m.
lkbf

April 21, 2015, 12:22 p.m.
blood

Here you can see your profile.(as shown in above image)

You can also:

1. Edit your profile like name, age, sex etc.

2. You can book ambulance.
3. You can take appointment.
4. You can also look FAQs and Medical forms.
5. You can also see your medical history.

Edit his profile:

Also he can fill the appointment form:

The screenshot shows a web interface with a sidebar on the left containing links: Home, Edit Profile, Appointment form, Ambulance Booking, FAQ, and Medical Forms. The main content area is titled "Appointment booking" and contains a form with the following fields: "What is your problem?" (text input), "Max. 140 characters" (text), "Choose Doctor" (dropdown menu with "First Doctor, NA, test shedule" selected), "Fix Date" (text input with placeholder "mm/dd/yyyy"), "Fix Time" (text input with placeholder "--:-- --"), "Submit", and "Reset" buttons.

He can book the ambulance in case of emergency:

The screenshot shows a web interface with a sidebar on the left containing links: Home, Edit Profile, Appointment form, Ambulance Booking, FAQ, and Medical Forms. The main content area is titled "Ambulance booking" and contains a form with the following fields: "From" (text input), "Enter the place from where u have to be picked" (text), "To" (text input), "Availability of Ambulance" (dropdown menu with "Wednesday, 12:03 p.m." selected), "State your problem" (text input), "Submit Button", and "Reset Button".

He can view and fill any of the medical forms:

FORM TYPE	FORM NUMBER	pdf LINK
Reimbursement Form For OPD Treatment by Institute Doctor	FORM 1	pdf
Reimbursement Form For OPD Treatment by Outside Doctor	FORM 2	pdf
Reimbursement Form For Indoor (Hospitalised) Treatment	FORM 3	pdf
Medical Leave Form	FORM 4	pdf
Medical certificate of Fitness to Return to Duty	FORM 5	pdf
Annexure- A	FORM 6	pdf

He can view the FAQs in case of any query:

Frequently Asked Questions

What are the medical facilities provided by the Institute?

Institutes medical facility has three major components. i) Out Patient Treatment and Referrals (OPD), ii) In Patient Treatment and Referrals (IPD).

What are the prevailing medical rules of the Institute?

The medical rules are available on the Intranet site http://shiloi.iitg.ernet.in/~establishment/Medical_Rules/Revised_Medical_Rules.pdf

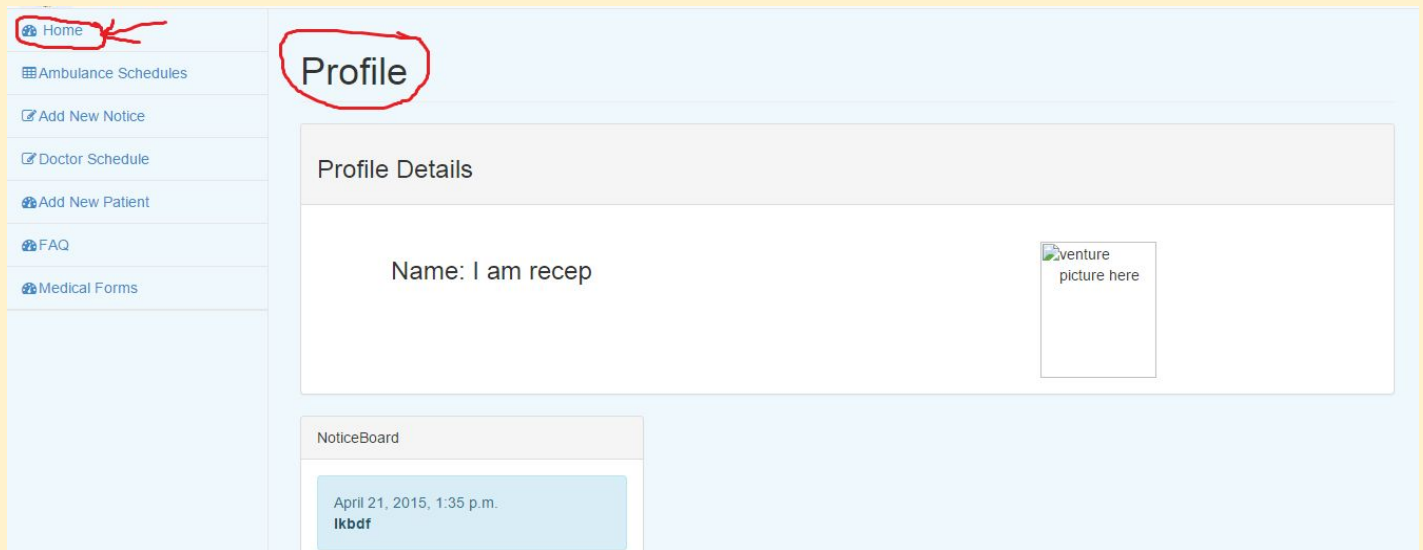
What is Medical Insurance Scheme (MIS) of the Institute?

In order to outsource the medical reimbursements towards the expenses of IPD, the Institute has chosen a "Group Medical Insurance Policy" offered by an Insurer. The Institute takes this policy every year through the tendering process. This is the MIS of the Institute. blocks of Rs. 1 lakh upto the top-up of Rs. 5 lakhs. The top-up premium shall be paid by the employee.

THAT'S IT !!!! YOU ARE DONE WITH PATIENT LOGIN :)

RECEPTIONIST LOGIN

Receptionist can login with password=recep and username=recep for now.He's redirected to this page where he can view his profile.



He also enjoys following features:

Ambulance schedules:

He can update the ambulance schedule as shown.

Home

Ambulance Schedules

Add New Notice

Doctor Schedule

Add New Patient

FAQ

Medical Forms

Ambulance Schedules

AMBULANCE SCHEDULES FOR THE WEEK

DAY	TIME	NO OF STUDENTS	GOING
-----	------	----------------	-------

UPDATE AMBULANCE SCHEDULE

Monday

Hour of Departure

Min of Departure

☒ Available ☐ Not Available

Submit

Home

Ambulance Schedules

Add New Notice

Doctor Schedule

Add New Patient

FAQ

Medical Forms

Ambulance Schedules

AMBULANCE SCHEDULES FOR THE WEEK

DAY	TIME	NO OF STUDENTS	GOING
-----	------	----------------	-------

UPDATE AMBULANCE SCHEDULE

Monday

12

60

☒ Available ☐ Not Available

Submit

ADD NOTICE

HE can also add notices to be displayed on notice board .

Home

Ambulance Schedules

Add New Notice

Doctor Schedule

Add New Patient

FAQ

Medical Forms

ADD NEW NOTICE

ENTER NEW NOTICE

Title of Notice

Enter notice here

Submit

UPDATE DOCTORS SCHEDULE

Clicking on doctors schedule takes him to:

Home

Ambulance Schedules

Add New Notice

Doctor Schedule

Add New Patient

FAQ

Medical Forms

DOCTOR SCHEDULES

UPDATE DOCTOR SCHEDULE

I am DocDoc

Enter the details of schedule of the selected doctor here

Update

ADD NEW PATIENT

He can also add a new patient.

Home
Ambulance Schedules
Add New Notice
Doctor Schedule
Add New Patient
FAQ
Medical Forms

NEW PATIENT

Enter Patient Details :

username: dkjhfp password:
qwful name: edfhu age:
22 weight: 77 height:
23 reg_no: 13000000

Select an Image:
Choose File No file chosen
max 1 megabytes
Upload

VIEW FAQ:

Clicking on faq on the right panel takes him to this faq page.

RECEPTIONIST LOG OUT

By clicking on log out button, he can log out of the system.

Indian Institute of Technology Guwahati - Hospital

Home
Ambulance Schedules
Add New Notice
Doctor Schedule
Add New Patient
FAQ
Medical Forms

NEW PATIENT

Enter Patient Details :

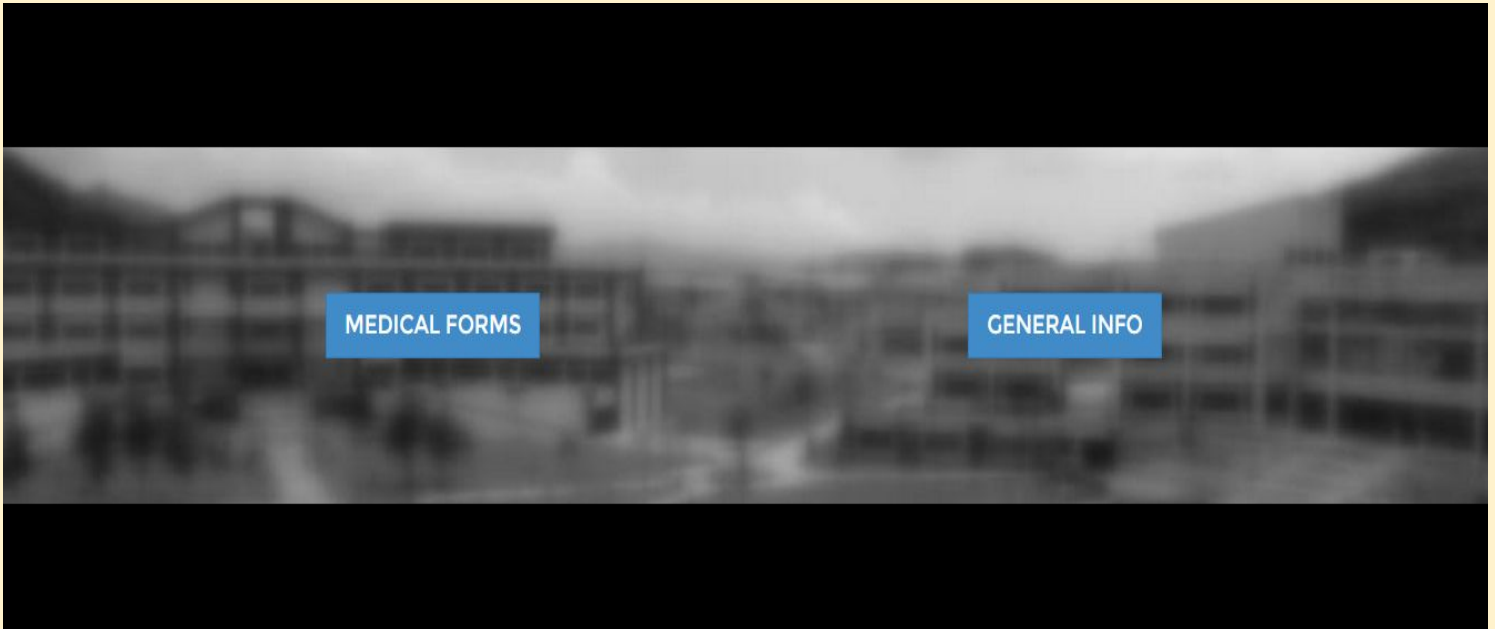
username: dkjhfp password:
qwful name: edfhu age:
22 weight: 77 height:
23 reg_no: 13000000

Select an Image:
Choose File No file chosen
max 1 megabytes
Upload

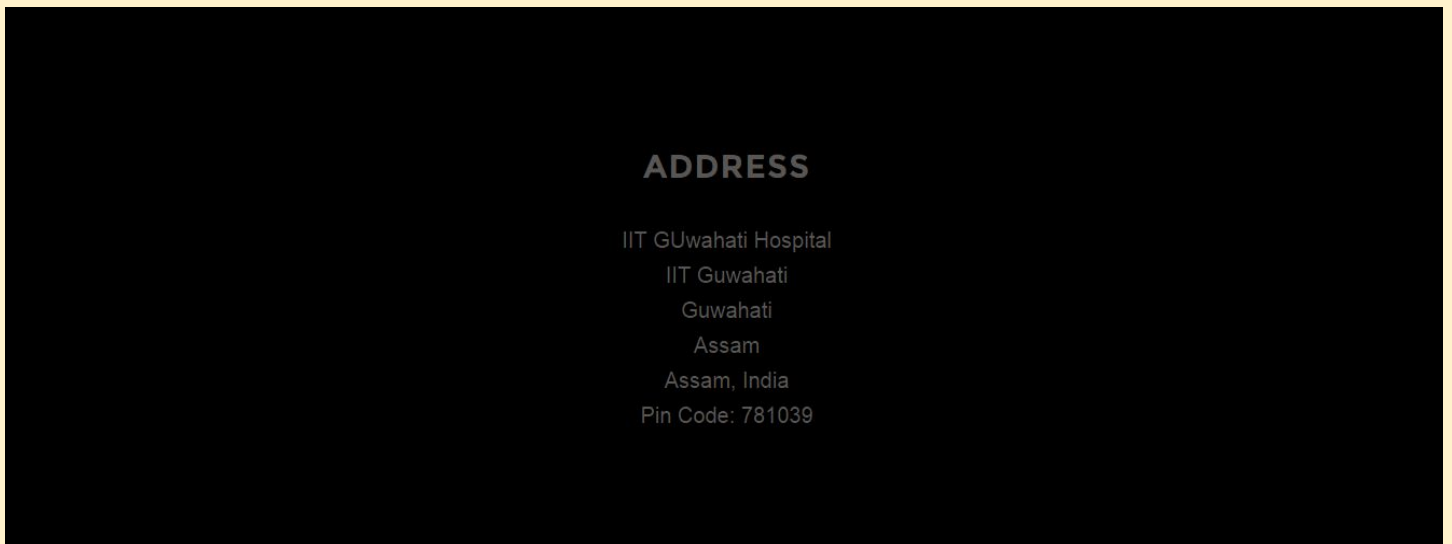
LOG OUT

INFORMATION

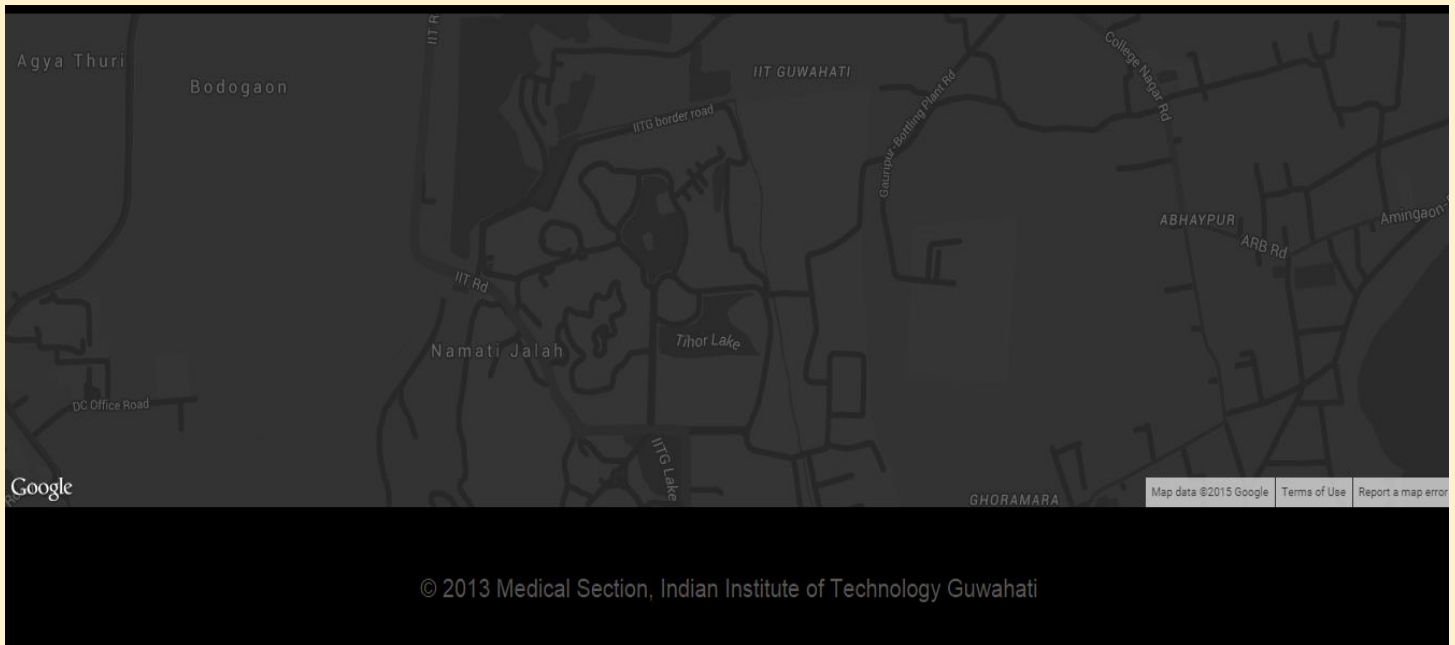
Once the user clicks on info,he's dragged to this portion.



ADDRESS



MAP LOCATION



SECURITY AND CRYPTO

We hash all the passwords using MD5 encryption scheme so that no passwords are saved in text format.

Example of the hashed password saved in the database so that the user's password is secure



We also implement sessions in Django so that invalid page access and also page request by users who don't have permission are not allowed.

THANK YOU SO MUCH :)

