

AAROGYA (Health Centre)

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Our sincere thanks to Prof. Mulualem Teku and our mentor ma'am Akshita Negi for helping us and giving us this opportunity. It was a wonderful experience for us; we really learnt a lot of new things in the field of web-programming.

1 Brief Description

This is a web2py project, given to us in ITWS-2 course. This web-app is of IIIT-H Health Centre,Aarogya. Using this app, you can register yourself and can contact doctors of the Health Centre.

1.1 Salient Features:

- Patients Login
- Doctors Login
- Change Password
- Can check IIIT website
- Book Appointments
- See Appointments
- Check History
- Send automated E-mail
- Check Medicines Available
- See staff profiles
- Manage patients records
- See some general info on health

2 Welcome to AAROGYA!

-Functioning of the App

- If you need any kind of medical assistance, our app is there to help you! You can register yourself,login anytime you want and change your password too.
- Doctors have some special privilages; a doctor has a different account using which he can exercise his special privilages.
- After logging in, you can fill an appointment form to seek help from any of the doctors available and give the time that suits you. And guess what, doctor will reply you through an e-mail!
- After you give suitable timings, doctor will send you an e-mail(automatic), to confirm your appointment and if necessary he may change the appointment timings. That you have to check on the portal.*Only docotors can send automated mails and only they can change appointment timings; no patient has permission to do this.*

- You can check your appointment anytime you want on the portal and see your history.
- You can also check what are the medicines available. Medicines available in the Health Centre can be updated by IIIT doctors only.
- Want to see all the doctors' profiles? Just click on Staff button on the menu bar. If a new doctor joins AAROGYA family, he can create his own profile and upload his image on the portal.
- Only a doctor can edit or delete patients' appointments.
- Want to search your appointment? Click on Search button on menu bar and it will do the job for you.
- You can also see some general info. on health and medicines and also visit IIIT-H website!

3 Schema of tables used

3.1 Patients' table has:(for appointment form)

- Name of the patient
- Problem of the patient
- Symptoms
- Email of the patient
- Registration date
- Appointment time

3.2 Staff table has:(doctors profile)

- Doctor's name
- Qualifications
- Specialisation
- Doctor's image

4 Future Scope

This portal can be extended for a big hospital in which nurses, compounders, administrators, trustees etc. can also register and login into their accounts, along with patients and doctors. Special privileges can be given to different kinds of users.

5 Browse through the app

-Images of the UI

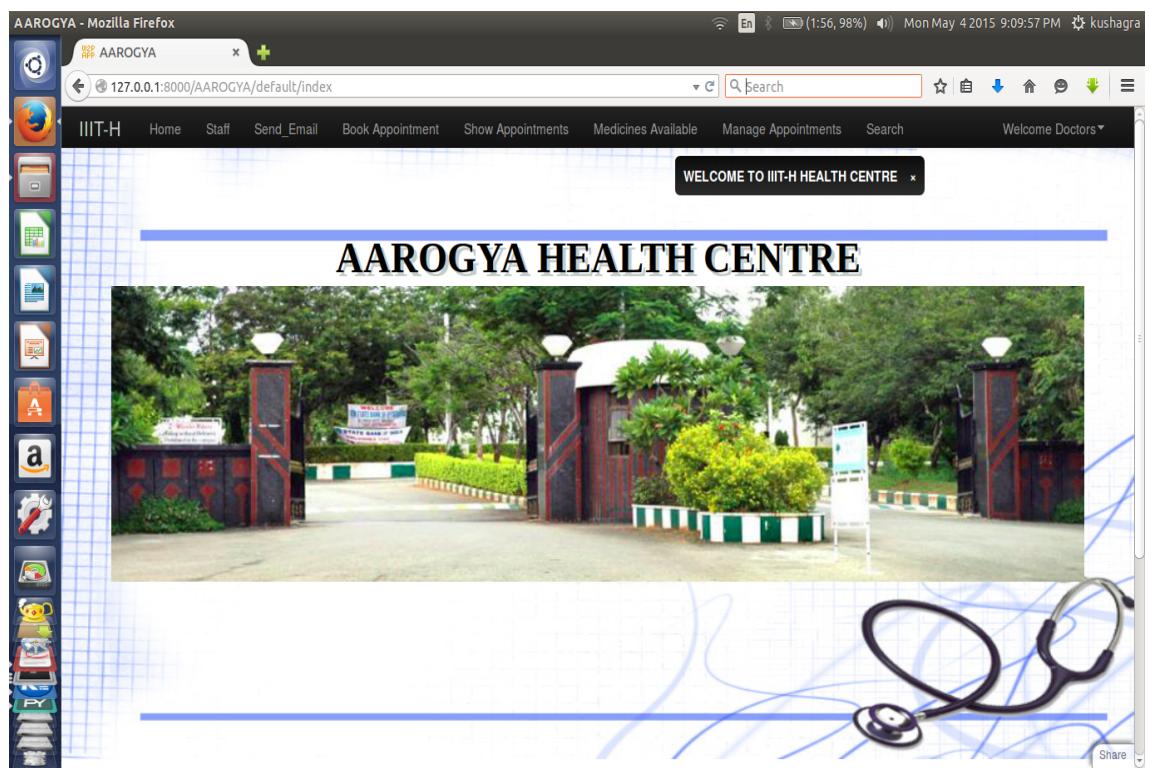


Figure 1: Home Page

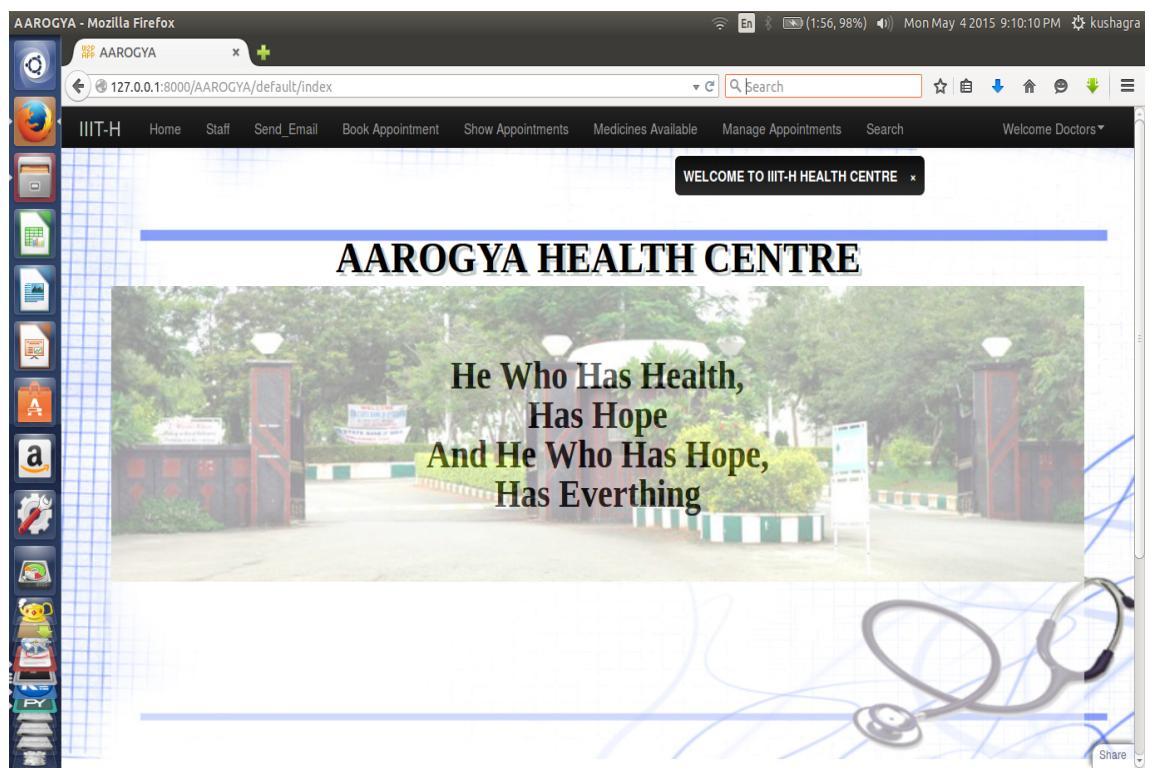


Figure 2: Home Page

The screenshot shows a Mozilla Firefox browser window titled "AAROGYA - Mozilla Firefox". The address bar displays "127.0.0.1:8000/AAROCYA/default/Display". The main content area is titled "Staff" and shows a table of staff records. The table has columns: Id, Name, Qualification, Specialistin, and Picture. There are two records listed:

Id	Name	Qualification	Specialistin	Picture
3	Dr. abc xyz	MBBS	ENT	file View Edit Delete
4	Mr. Rounak Mundra	MD	Neurology	file View Edit Delete

Below the table, there are export options: CSV, CSV (hidden cols), HTML, JSON, TSV (Spreadsheets), TSV (Spreadsheets, hidden cols), and XML. The page also includes a sidebar with various icons and a footer with copyright and powered-by information.

Figure 3: Staff Page

AAROGYA - Mozilla Firefox

AAROGYA

127.0.0.1:8000/AAROGYA/default/Display1

Search

IIIIT-H Home Staff Book Appointment Show Appointments General Info. Medicines Available Search Welcome Kushagra▼

Staff

Name	Qualification	SpecialistIn	Photo
Dr. abc xyz	MBBS	ENT	
Mr. Rounak Mundra	MD	Neurology	

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Powered by web2py

Share

Figure 4: Staff Page

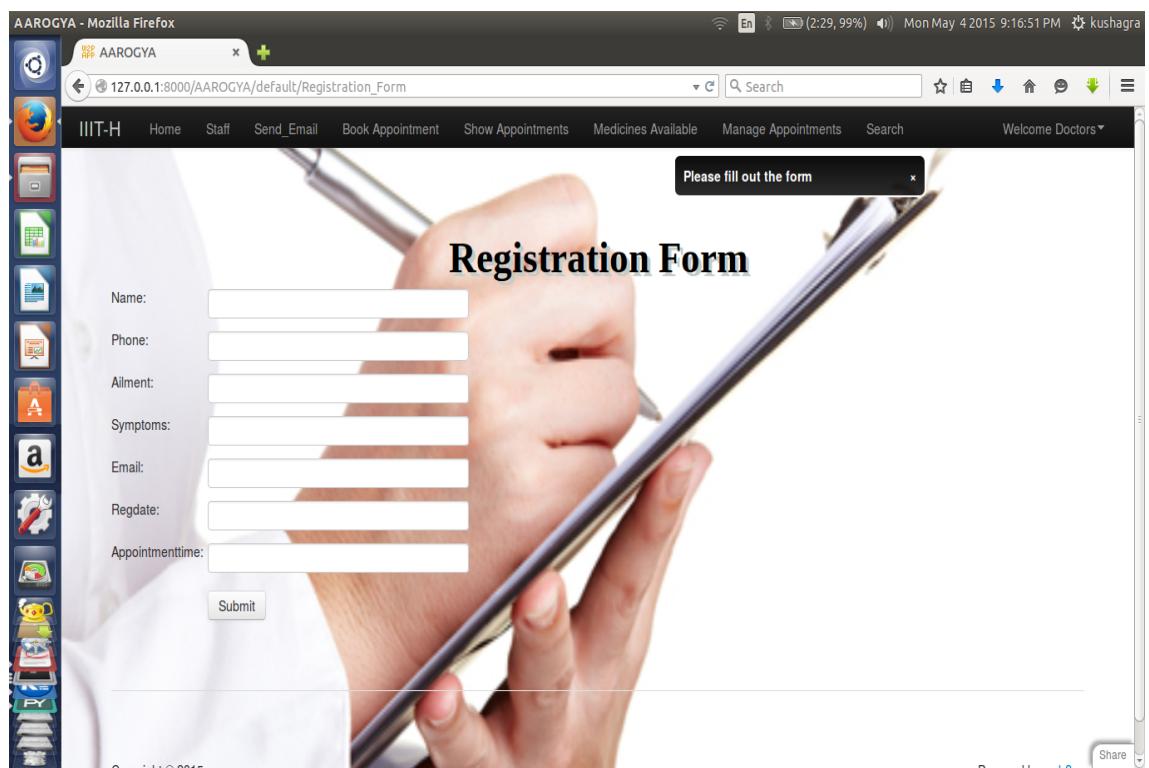


Figure 5: Book Appointment Page

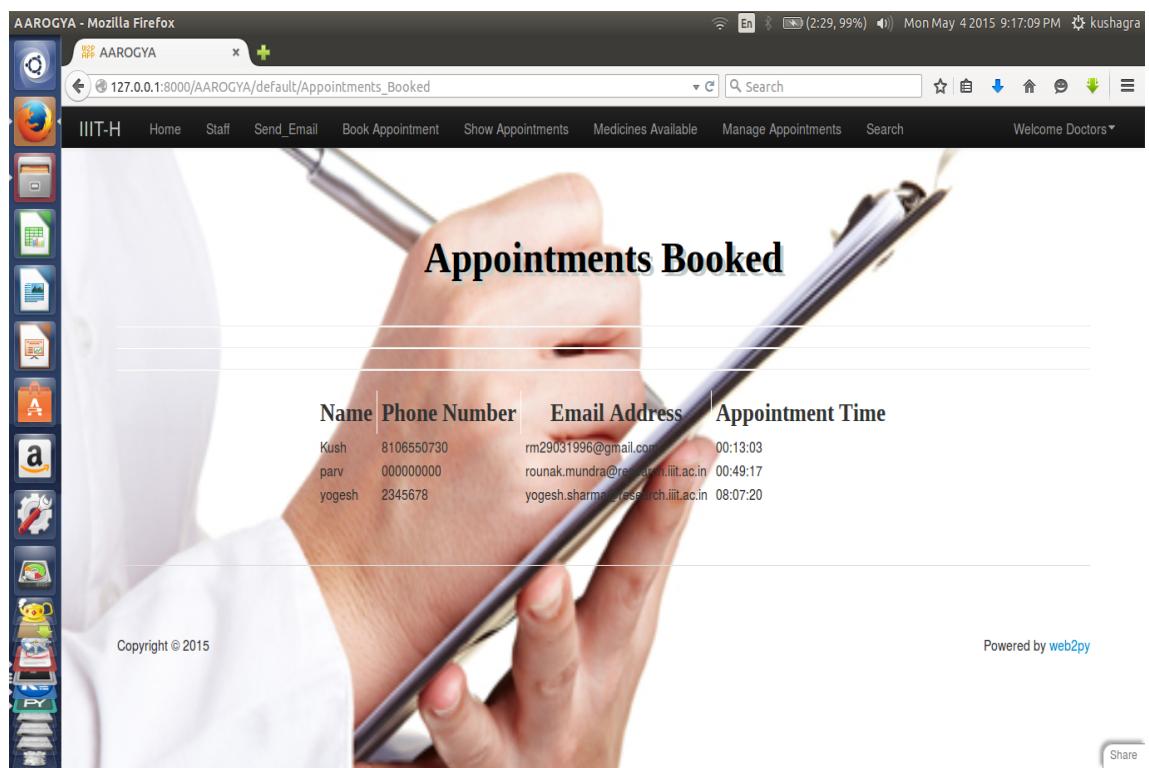


Figure 6: Show Appointments Page

AAROGYA - Mozilla Firefox

127.0.0.1:8000/AAROGYA/default/Manager

IIIT-H Home Staff Send_Email Book Appointment Show Appointments Medicines Available Manage Appointments Search Welcome Doctors

+ Add Record Search Clear 3 records found

	ID	Name	Phone	Ailment	Symptoms	Email	Regdate	Appointmenttime	
	8	Kush	8106550730	headache	pain	rm29031996@gmail.com	2015-05-03	00:13:03	View Edit Delete
	9	parv	0000000000	fever	pain	rounak.mundra@res...	2015-05-04	00:49:17	View Edit Delete
	10	yogesh	2345678	rtyui	ertyuio	yogesh.sharma@res...	2015-05-04	08:07:20	View Edit Delete

Export: [CSV](#) [CSV \(hidden cols\)](#) [HTML](#) [JSON](#) [TSV \(Spreadsheets\)](#) [TSV \(Spreadsheets, hidden cols\)](#) [XML](#)

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Figure 7: Manage Appointment Page

Medicines, Its Uses And Precautions

MEDICINE-NAME	USE	PRECAUTIONS
Aspirin	Pain Relief	Do not give to children younger than 18 years due to potential for Reye's syndrome
Fenoprofen	Prevention of tension, headache, migraines	-
Cromoglycate	Asthma Prophylaxis	Take this medicine when prescribed by your doctor
Dextromethorphan	Cough	-
Quinine	Anti Malarial	Take this medicine when prescribed by your doctor
Acetaminophen	Fever, Sore Throat	Make sure it won't interact with any other medications you're taking or health problems you have. If you're not sure, ask your doctor or pharmacist.
Etoposide	Anti Cancer	Take this medicine when prescribed by your doctor
Chlorpheniramine	Sneezing, Runny Nose, Watery Eyes	Taking these medicines frequently can dry out your eyes, nose and mouth.

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Figure 8: General Info. Page

AAROGYA - Mozilla Firefox

127.0.0.1:8000/AAROGYA/default/Medicines

IIIT-H Home Staff Send_Email Book Appointment Show Appointments Medicines Available Manage Appointments Search Welcome Doctors

Medicines Available

+ Add Record Search Clear 2 records found

ID	Name	Uses	
1	Paracetamol	Fever, cold, pain	View Edit Delete
2	D-cold total	Cough,cold	View Edit Delete

Export: [CSV](#) [CSV \(hidden cols\)](#) [HTML](#) [JSON](#) [TSV \(Spreadsheets\)](#) [TSV \(Spreadsheets, hidden cols\)](#) [XML](#)

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The screenshot displays a web-based application for managing medical records. The main page title is "Medicines Available". It features a table with columns for ID, Name, and Uses. Two records are listed: "Paracetamol" (uses: Fever, cold, pain) and "D-cold total" (uses: Cough,cold). Each record has "View", "Edit", and "Delete" buttons. Below the table are export options: CSV, CSV (hidden cols), HTML, JSON, TSV (Spreadsheets), TSV (Spreadsheets, hidden cols), and XML. The bottom of the page includes copyright information (Copyright © 2015) and a note that it is "Powered by web2py". The browser's address bar shows the URL as 127.0.0.1:8000/AAROGYA/default/Medicines. The browser status bar indicates the date and time as Mon May 4 2015 9:17:45 PM.

Figure 9: Medicines Page



Figure 10: Search Page

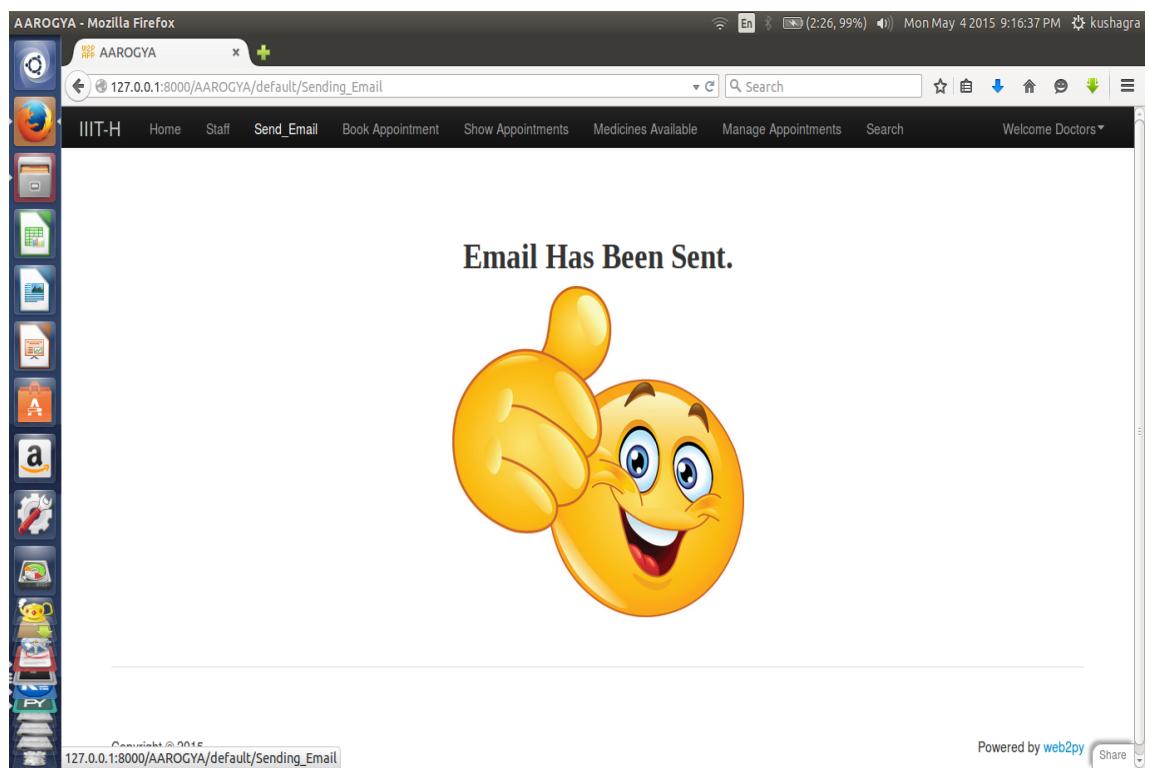


Figure 11: Send Email Page

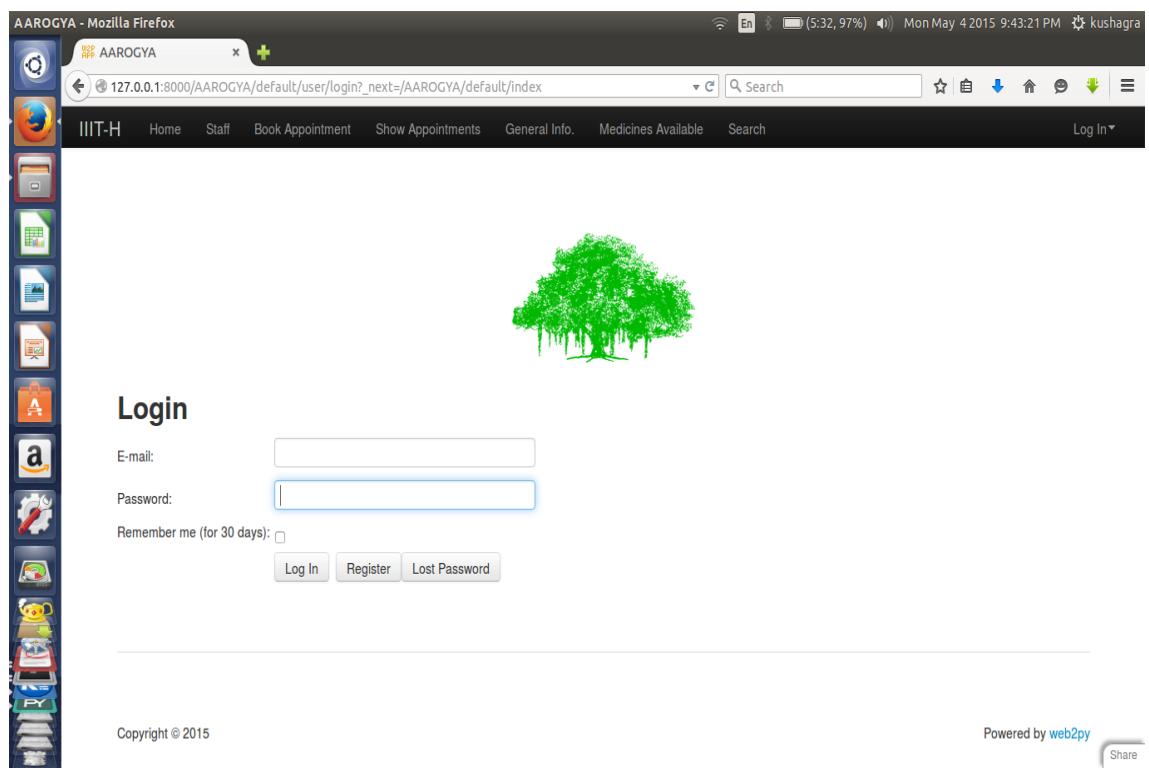


Figure 12: Login Page