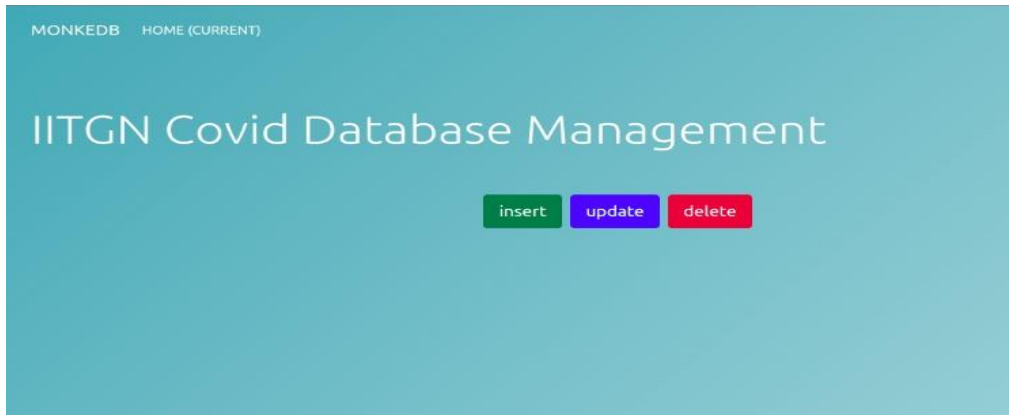


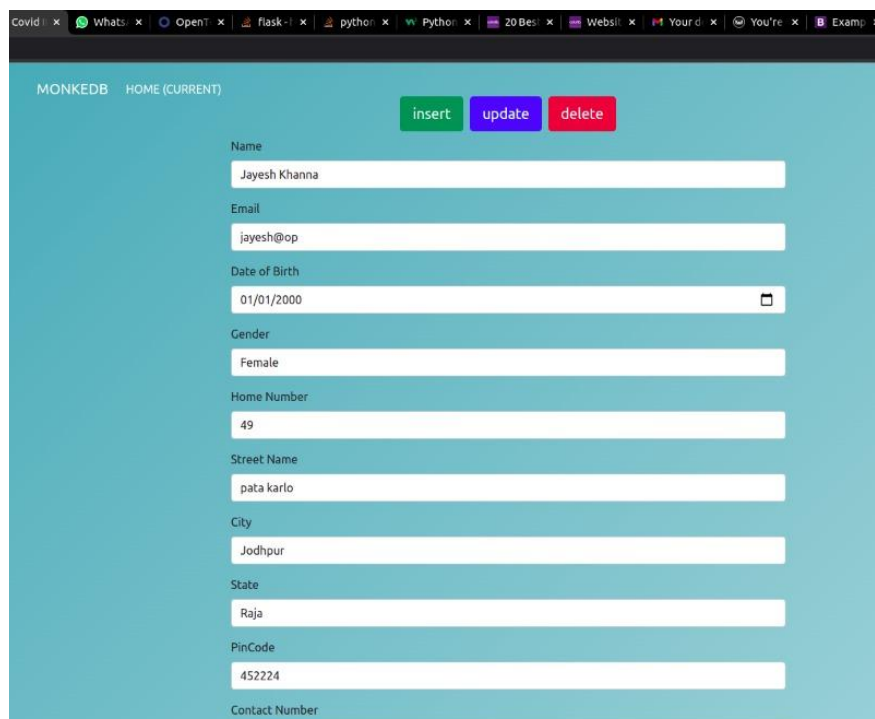
IITGN COVID DATABASE MANAGEMENT

WebApp Implementation

As the user enters the website, they get to a home page. Here the user will get three options corresponding to three operations: INSERT, UPDATE, DELETE. These options can be used to access and edit the database.



Once the insert operation is selected, the user gets option to fill all the necessary information required for making an entry to the database.

A screenshot of a web browser showing the 'insert' form of the IITGN Covid Database Management application. The browser's address bar shows 'Covid'. The page has a teal background and a dark header with 'MONKEDB HOME (CURRENT)' and three buttons: 'insert' (green), 'update' (purple), and 'delete' (red). The form contains the following fields: 'Name' (text input with 'Jayesh Khanna'), 'Email' (text input with 'jayesh@op'), 'Date of Birth' (date picker with '01/01/2000'), 'Gender' (text input with 'Female'), 'Home Number' (text input with '49'), 'Street Name' (text input with 'pata karlo'), 'City' (text input with 'Jodhpur'), 'State' (text input with 'Raja'), 'PinCode' (text input with '452224'), and 'Contact Number' (text input, currently empty).

Then user needs to choose among three options: Student, Staff and Faculty. Depending on whether the user is staff, student, or faculty, there are some additional details required as shown below.

MONKEDB HOME (CURRENT)

Street Name
pata karlo

City
Jodhpur

State
Raja

PinCode
452224

Contact Number
999999225

☒ Student ☐ Staff ☐ Faculty

Vaccine Name

First Dose Date
dd/mm/yyyy

Second Dose Date
dd/mm/yyyy

Booster Dose Date
dd/mm/yyyy

Covid Date
dd/mm/yyyy

Other Disease

The following form will be shown when the user selects student option.

MONKEDB HOME (CURRENT)

☒ Student ☐ Staff ☐ Faculty

Roll Number
18110073

Hostel
J

Room Number
412

Discipline
Civil

Home Contact Number
9662323535

Vaccine Name
pfizer

First Dose Date
06/06/2021

Second Dose Date
06/09/2021

Booster Dose Date
03/06/2022

Covid Date
01/01/2000

Other Disease

Submit button can then be clicked once the details are filled.

MONKEDB HOME (CURRENT)

Roll Number
18110073

Hostel
J

Room Number
412

Discipline
Civil

Home Contact Number
9662323535

Vaccine Name
pfizer

First Dose Date
06/06/2021

Second Dose Date
06/09/2021

Booster Dose Date
03/06/2022

Covid Date
01/01/2000

Other Disease

Submit

Once the details are added to the database, the users can see the details in the table.

MONKEDB HOME (CURRENT)

IITGN Covid Database Management

User ID	Name	Email	DOB	Gender	Age	home no	Street name	city	state	pincode	contact number
9281	Tanmay	tanmay@op	2000-01-01	male	22	6	unknown	gwalior	mp	433221	99999999
37842	Jayesh Khanna	jayesh@op	2000-01-01	female	22	49	pata kario	Jodhpur	Raja	452224	999999225

update delete

The following screen will be displayed and user will update the same. Jayesh Khanna is changed to Jaya Khanna.

MONKEDB HOME (CURRENT)

IITGN Covid Database Management

User ID	Name	Email	DOB	Gender	Age	home no	Street name	city	state	pincode	contact number
9281	Tanmay	tanmay@op	2000-01-01	male	22	6	unknown	gwaiior	mp	433221	99999999
37842	Jayesh Khanna	jayesh@op	2000-01-01	female	22	49	pata kario	Jodhpur	Raja	452224	999999225

update

delete

User ID

37842

Name

Jaya Khanna

Email

Date of Birth

dd/mm/yyyy

Home Number

Street Name

City

State

The details can be updated using the UPDATE option. Once the data is updated, it can be seen as follows.

MONKEDB HOME (CURRENT)

IITGN Covid Database Management

User ID	Name	Email	DOB	Gender	Age	home no	Street name	city	state	pincode	contact number
9281	Tanimay	tanmay@op	2000-01-01	male	22	6	unknown	gwaiior	mp	433221	99999999
37842	Jaya Khanna	jayesh@op	2000-01-01	female	22	49	pata kario	Jodhpur	Raja	452224	999999225

update

delete

For deleting the record, click delete button and type user ID attribute.

MONKEDB HOME (CURRENT)

IITGN Covid Database Management

User ID	Name	Email	DOB	Gender	Age	home no	Street name	city	state	pincode	contact number
9281	Tanmay	tanmay@op	2000-01-01	male	22	6	unknown	gwalior	mp	433221	99999999
37842	Jaya Khanna	jayesh@op	2000-01-01	female	22	49	pata karlo	Jodhpur	Raja	452224	999999225

[update](#)
[delete](#)

User ID

37842

[Delete](#)

User ID 37842 (Jaya) is deleted and updated relation is shown.

MONKEDB HOME (CURRENT)

IITGN Covid Database Management

User ID	Name	Email	DOB	Gender	Age	home no	Street name	city	state	pincode	contact number
9281	Tanmay	tanmay@op	2000-01-01	male	22	6	unknown	gwalior	mp	433221	99999999

[update](#)
[delete](#)

From home page, you can click update button and select the table which you want to update.

MONKEDB HOME (CURRENT)

IITGN Covid Database Management

[insert](#)
[update](#)
[delete](#)

SELECT TABLE TO WHICH YOU WANT TO UPDATE/DELETE

[users](#)
[vaccine](#)
[Covid Data](#)

[students](#)
[staff](#)
[faculty](#)

[qr](#)
[disease](#)

Then click the update button.

MONKEDB HOME (CURRENT)

IITGN Covid Database Management

Roll Number	Hostel	Room Number	Discipline	Home Contact Number
18110029	J	314	ce	9662323535
18110073	J	412	Civil	9662323535
18110109	J	349	ce	59594

update

delete

And similarly, update all the attributes.

MONKEDB HOME (CURRENT)

IITGN Covid Database Management

Roll Number	Hostel	Room Number	Discipline	Home Contact Number
18110029	J	314	ce	9662323535
18110073	J	412	Civil	9662323535
18110109	J	349	ce	59594

update

delete

Roll Number

18110109

Hostel

Room Number

Discipline

computer

Home Contact Number

Update

Similarly, you can delete the table by clicking the delete button.and fill the primary id attribute.

MONKEDB HOME (CURRENT)

IITGN Covid Database Management

Roll Number	Hostel	Room Number	Discipline	Home Contact Number
18110029	J	314	ce	9662323535
18110073	J	412	Civil	9662323535
18110109	J	349	computer	59594

[update](#) [delete](#)

Roll Number

[Delete](#)

The filled id is deleted.

MONKEDB HOME (CURRENT)

IITGN Covid Database Management

Roll Number	Hostel	Room Number	Discipline	Home Contact Number
18110029	J	314	ce	9662323535
18110109	J	349	computer	59594

[update](#) [delete](#)

Code Execution

All the webpages templates are stored in a folder templates. Once the app.py is run, the executed code, uses mysql and flask to setup connection with database and calls other methods based on user input. db.yaml is the configuration of the database. All the requirements are stored in requirements.txt. Finally, all the sql queries are stored in sql_execution.py.