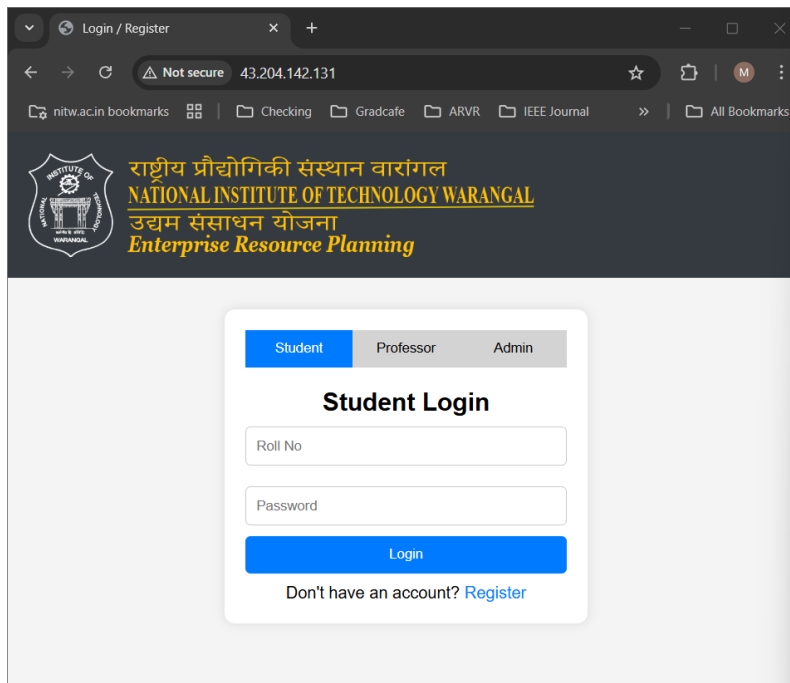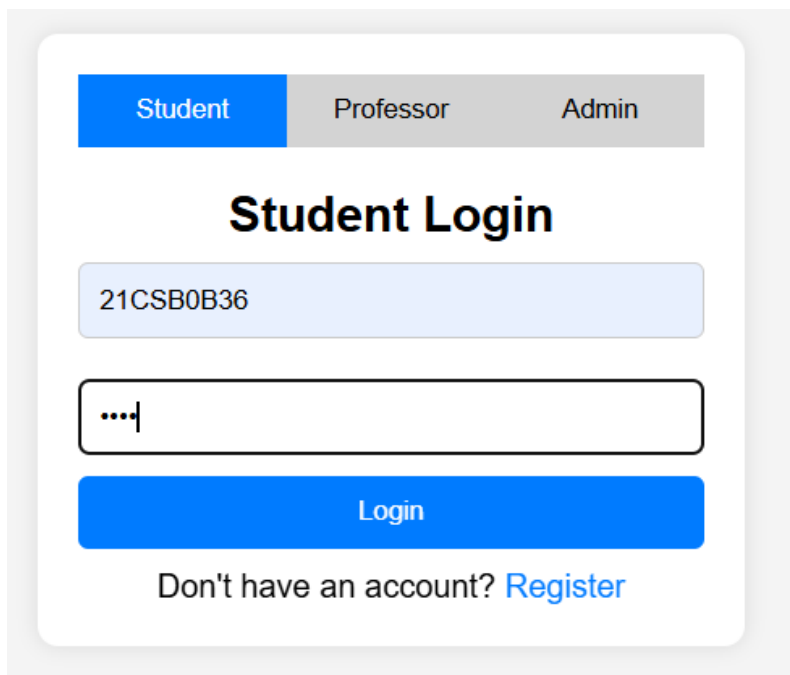# Quick Overview of the Implementation:

The website is hosted on: 43.204.142.131 (aws, not accessible on NITW LAN, have to use mobile data)

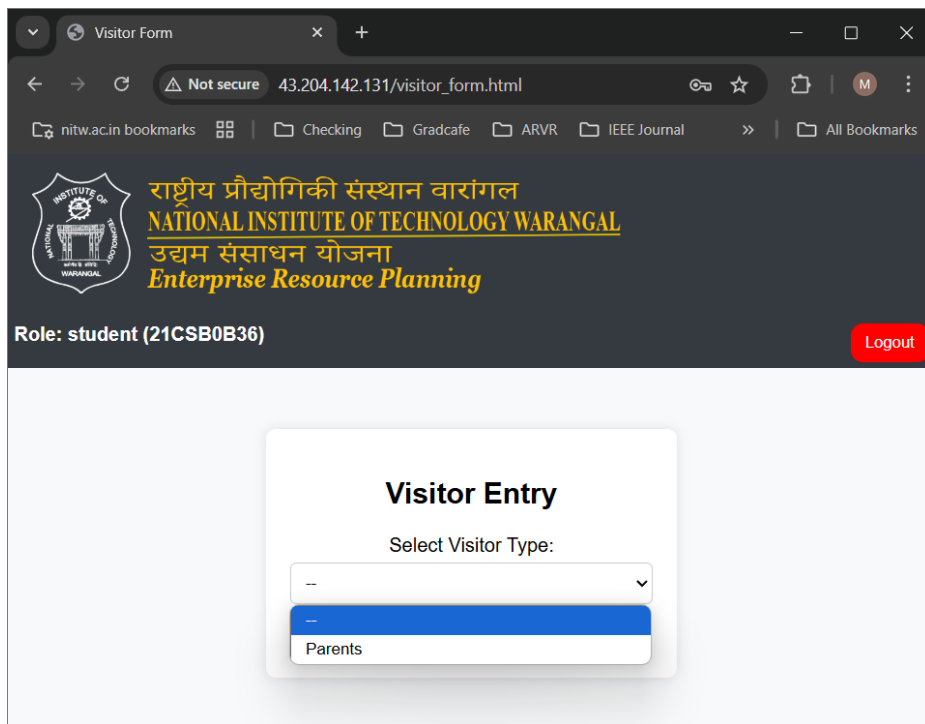➔ Login page: can login and register (similar to erp login)

Student sample login : 21CSB0B36, pass: 1234
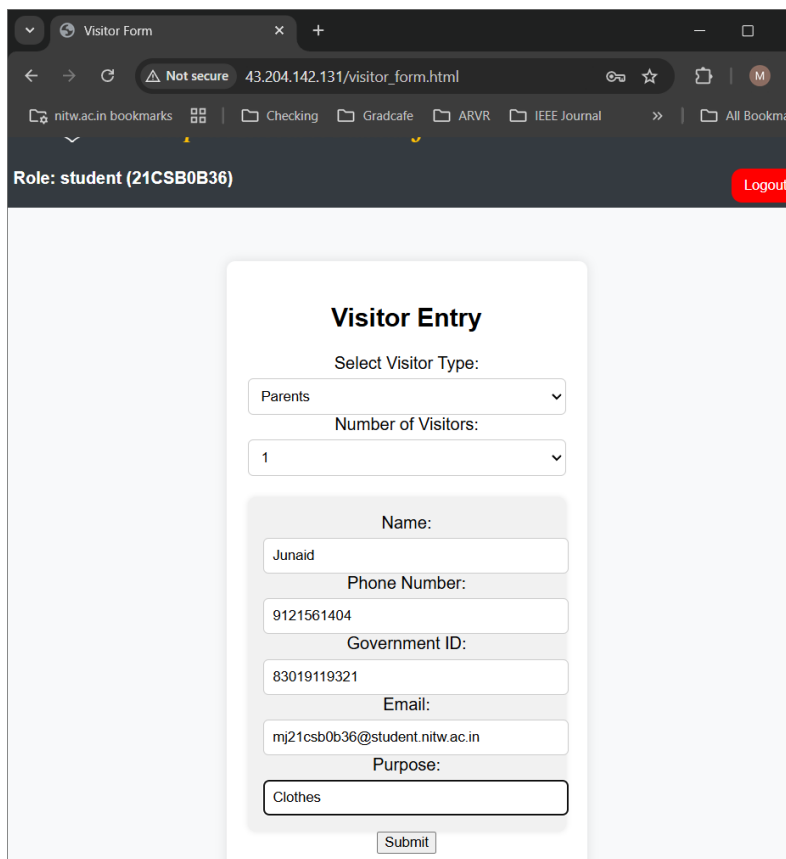
Student -> visitor only parents

Can fill the required details: {email should be the visitors mail as they will be mailed}

Visitor entry submitted successfully! They will be mailed the QR code.

OK

The QR will be mailed shortly after the filling of form:

Here is your QR code for entry.

One attachment · Scanned by Gmail ⓘ
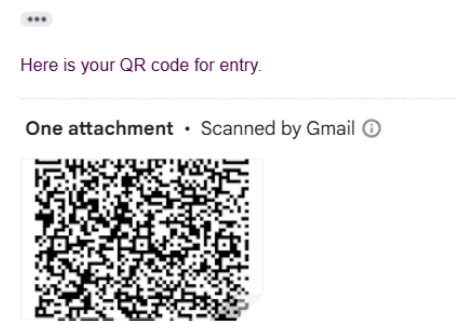
Flutter Application {Android APK is attached and can be installed in android phone}

It will scan the qr code and display the details and edit them if necessary.
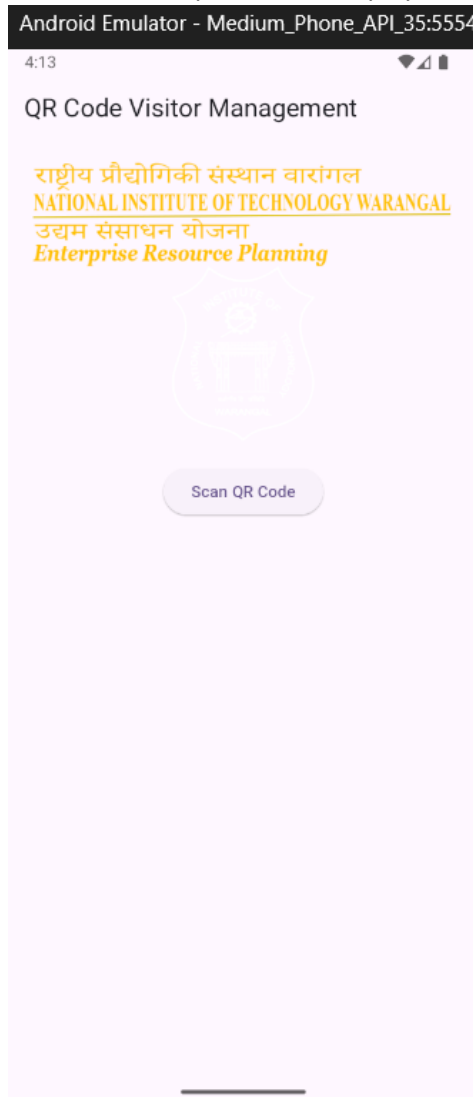
Once Scanned, the details will be listed:

Admit: allowed entry and stored in database.

Exit: while leaving timestamp noted.

Now similarly for professors, have options for :

1. Parents
2. Guests
3. Bulk (School visits etc.)

Login: Prof1, Pass: 1234

Database design:

```
_id: ObjectId('67cace311ee41a2294729cda')
govID : "83019119321"
name : "Junaid"
phone : "9121561404"
email : "mj21csb0b36@student.nitw.ac.in"
userRole : "student"
type : "parents"
userId : "21CSB0B36"
▶ visits : Array (2)
createdAt : 2025-03-07T10:45:05.842+00:00
updatedAt : 2025-03-07T10:45:23.086+00:00
__v : 1
```

This is how visitor data is stored

Visitor object has array of Visits object

So, each visitor object is **unique** to each **govID**

```
userId : "21CSB0B36"
▼ visits : Array (2)
  ▼ 0: Object
      entryTime : 2025-03-07T10:45:05.838+00:00
      exitTime : 2025-03-07T10:45:13.248+00:00
      purpose : "Clothes"
      quantity : 1
      status : "completed"
      _id : ObjectId('67cace311ee41a2294729cdb')
  ▼ 1: Object
      entryTime : 2025-03-07T10:45:23.084+00:00
      exitTime : null
      purpose : "Clothes"
      quantity : 1
      status : "in-progress"
      _id : ObjectId('67cace431ee41a2294729ce2')
  createdAt : 2025-03-07T10:45:05.842+00:00
```

Every time the visits again, it will be added as a visit

And if exit, the visit will be marked **"completed"** or else it will remain **"in-progress"**