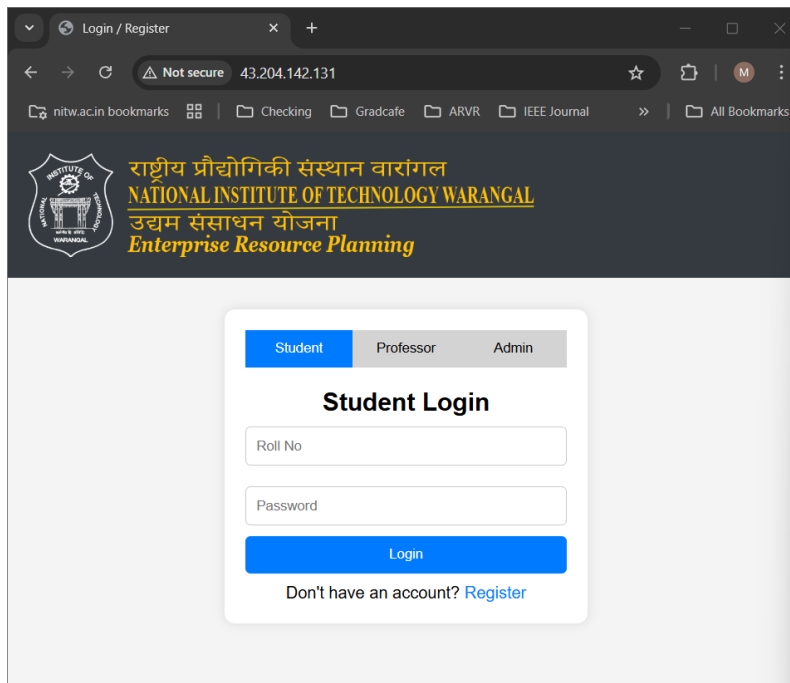


## Quick Overview of the Implementation:

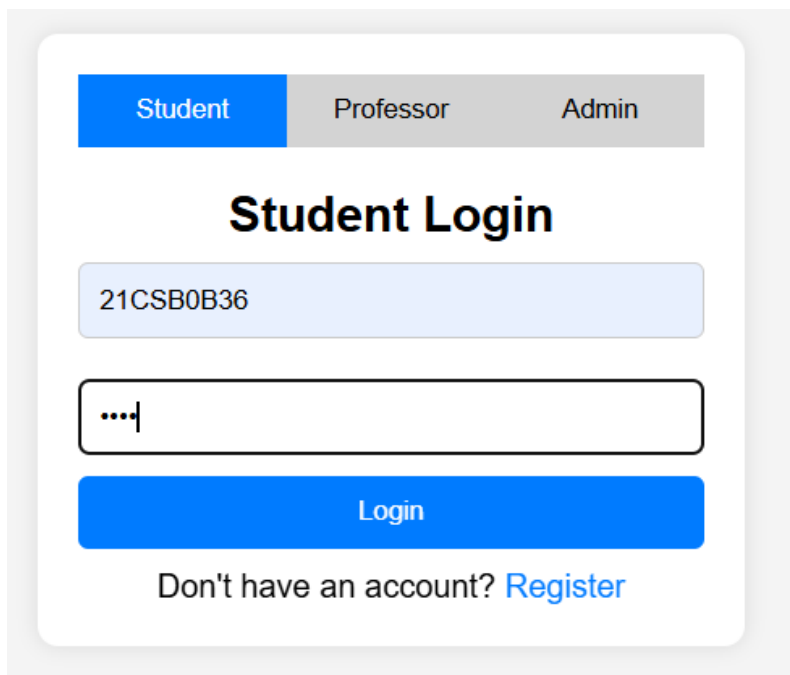
The website is hosted on: 43.204.142.131 (aws, not accessible on NITW LAN, have to use mobile data)

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



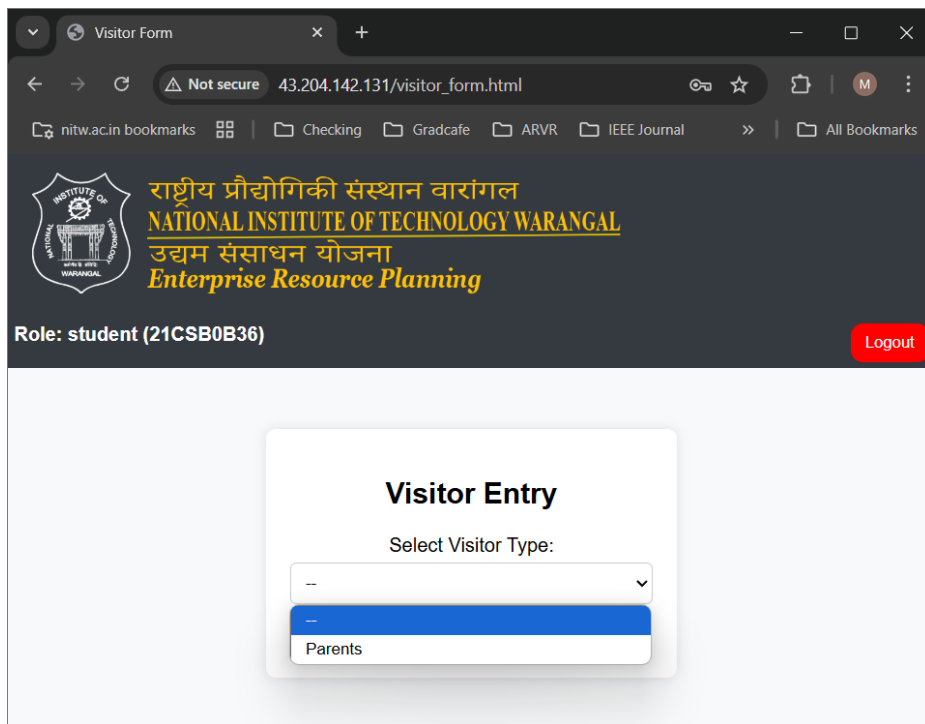
The screenshot shows a web browser window with the address bar displaying "43.204.142.131". The page header includes the NITW logo and the text "राष्ट्रीय प्रौद्योगिकी संस्थान वारांगल", "NATIONAL INSTITUTE OF TECHNOLOGY WARANGAL", "उद्यम संसाधन योजना", and "Enterprise Resource Planning". Below the header, there are three tabs: "Student" (selected), "Professor", and "Admin". The "Student Login" section contains a "Roll No" input field with the value "21CSB0B36", a "Password" input field with a masked password "....", and a blue "Login" button. At the bottom, there is a link "Don't have an account? Register".

Student sample login : 21CSB0B36, pass: 1234



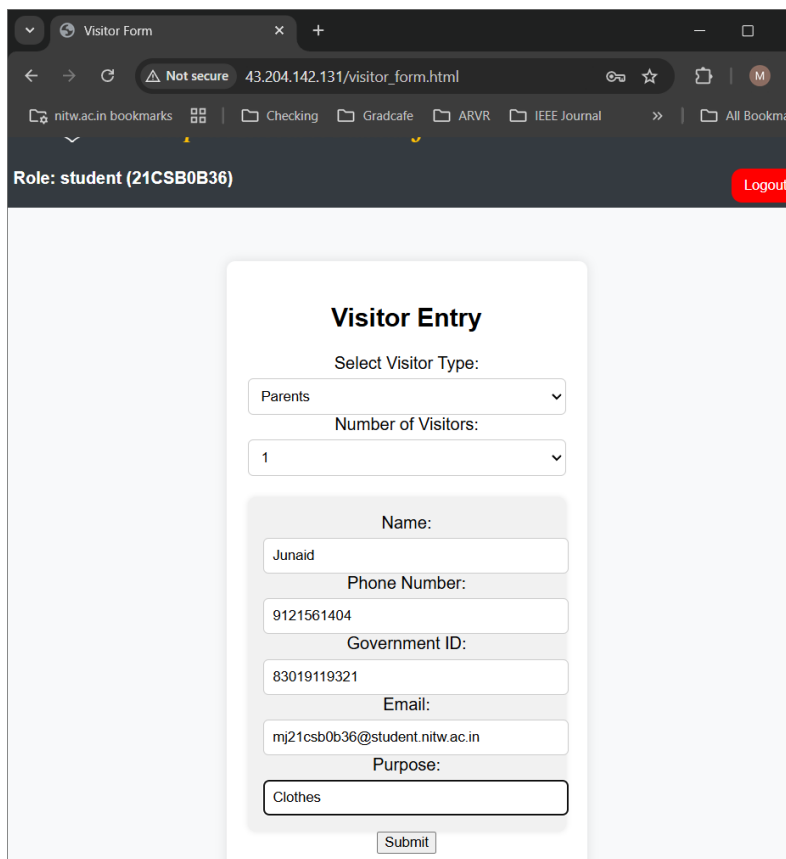
This image provides a detailed view of the "Student Login" form. It features three tabs: "Student" (selected), "Professor", and "Admin". The "Student Login" title is prominently displayed. Below the title, there is a "Roll No" input field containing the text "21CSB0B36". Below that is a password input field with a masked password "....". A blue "Login" button is positioned below the password field. At the bottom, there is a link "Don't have an account? Register".

Student -> visitor only parents



The screenshot shows a web browser window titled "Visitor Form" with the URL "43.204.142.131/visitor\_form.html". The page header includes the logo of the National Institute of Technology Warangal and the text "राष्ट्रीय प्रौद्योगिकी संस्थान वारांगल", "NATIONAL INSTITUTE OF TECHNOLOGY WARANGAL", "उद्यम संसाधन योजना", and "Enterprise Resource Planning". The role is set to "student (21CSB0B36)" and there is a "Logout" button. The "Visitor Entry" modal is displayed, showing a "Select Visitor Type:" dropdown menu with "Parents" selected.

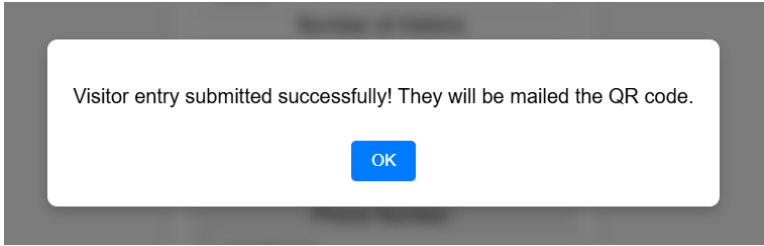
Can fill the required details: {email should be the visitors mail as they will be mailed}



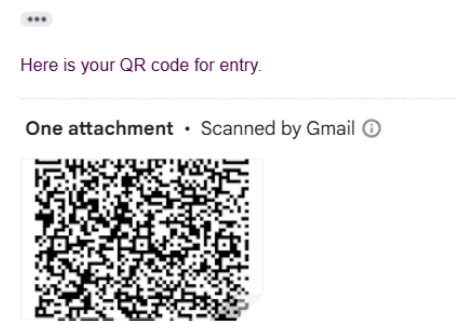
The screenshot shows the "Visitor Entry" modal with the following details filled in:

- Select Visitor Type: Parents
- Number of Visitors: 1
- Name: Junaid
- Phone Number: 9121561404
- Government ID: 83019119321
- Email: mj21csb0b36@student.nitw.ac.in
- Purpose: Clothes

A "Submit" button is visible at the bottom of the modal.

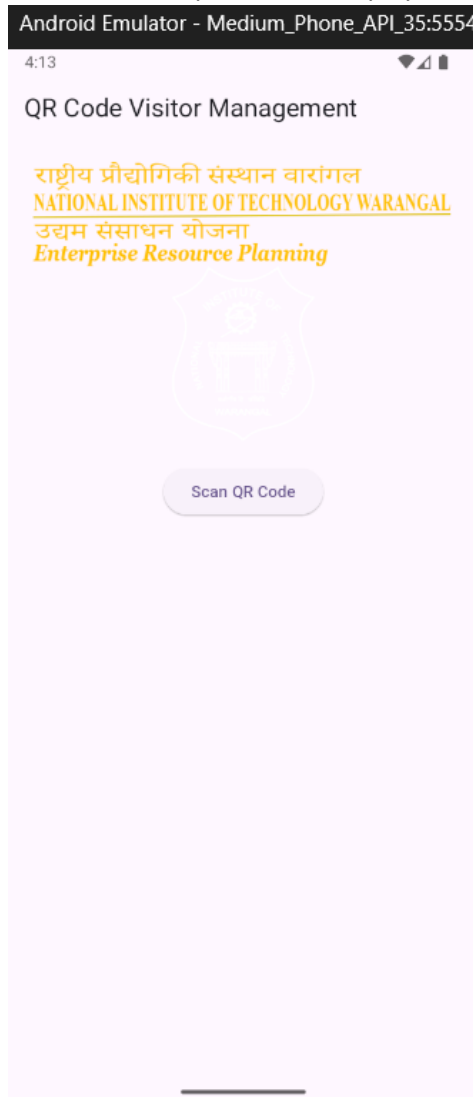


The QR will be mailed shortly after the filling of form:



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:

Android Emulator - Medium\_Phone\_API\_35:5554

4:14

### QR Code Visitor Management

Scan QR Code

type: parents

name: Junaid

phone: 9121561404

govID: 83019119321

email: mj21csb0b36@student.nitw.ac.in

quantity: 1

purpose: Clothes

userRole: student

userID: 21CSB0B36

Admit Exit Clear

Android Emulator - Medium\_Phone\_API\_35:5554

4:14

### QR Code Visitor Management

govID: 83019119321

email: mj21csb0b36@student.nitw.ac.in

quantity: 1

purpose: Clothes

userRole: student

userID: 21CSB0B36

Tap to enable contact suggestions.

q<sup>1</sup> w<sup>2</sup> e<sup>3</sup> r<sup>4</sup> t<sup>5</sup> y<sup>6</sup> u<sup>7</sup> i<sup>8</sup> o<sup>9</sup> p<sup>0</sup>

a s d f g h j k l

↑ z x c v b n m ↵

?123 , ☺ . ✓

Admit: allowed entry and stored in database.

Exit: while leaving timestamp noted.

entry successfull

{"message": "Exit recorded successfully"}

Now similarly for professors, have options for :

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

The screenshot shows a web browser window with the URL `43.204.142.131/login.html`. The page header includes the NITW logo and text in Hindi and English: "राष्ट्रीय प्रौद्योगिकी संस्थान वारांगल", "NATIONAL INSTITUTE OF TECHNOLOGY WARANGAL", "उद्यम संसाधन योजना", and "Enterprise Resource Planning". Below the header, there are three tabs: "Student", "Professor" (selected), and "Admin". The main heading is "Professor Login". It contains a text input field with "Prof1", a password input field with four dots, and a blue "Login" button. At the bottom, it says "Don't have an account? [Register](#)".

Login: Prof1, Pass: 1234

The screenshot shows a web browser window with the URL `43.204.142.131/visitor_form.html`. The page header is identical to the previous screenshot. Below the header, it says "Role: professor (Prof1)" and has a red "Logout" button. The main heading is "Visitor Entry". It contains a label "Select Visitor Type:" and a dropdown menu. The dropdown menu is open, showing three options: "Parents", "Guests", and "Bulk".

## Database design:

```
_id: ObjectId('67cace311ee41a2294729cda')
govID : "83019119321"
name : "Junaïd"
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”**