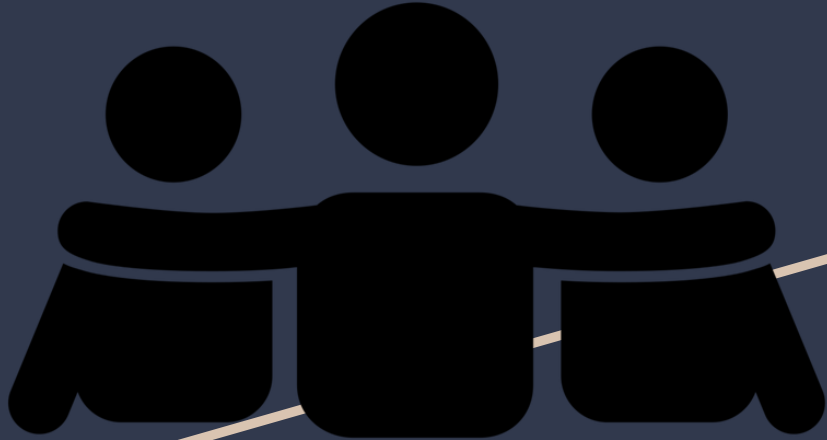# Attendance via Face Recognition

Mentor - Renu M R

TEAM – 7

TEAM MEMBERS:

B17009: ARPIT SINGH BHADAURIA

B17035: ANKIT JIGANWAL

B17037: ATYANT YADAV

B17070: YASH KHANNA

B17076: ANIKET SAHU

AIM:

- To develop a Attendance system using Face recognition.
- We will make an Android Application, which will be installed on faculty's smartphone.
- Faculty will circulate his/her phone and student's attendance will be marked on the basis of their facial recognition.
- Student can see his attendance, using his login and password.

Technology Used:

- React-Native and Android Studio for Android app development
- Postgresql for Database
- NodeJs for Server
- Keras-OpenFace Library
- CNN(deep learning model) for Face Detection
- Reactjs for front-end for web application
- Git for Version Control of Project

Work Division:

Front-End

- Arpit Singh Bhadauria
- Ankit Jiganwal

Back-End

- Aniket Sahu
- Atyant Yadav
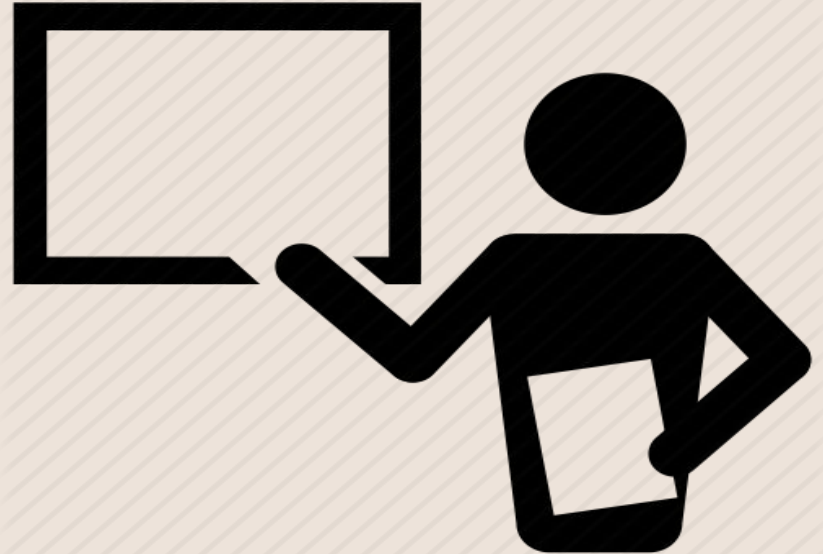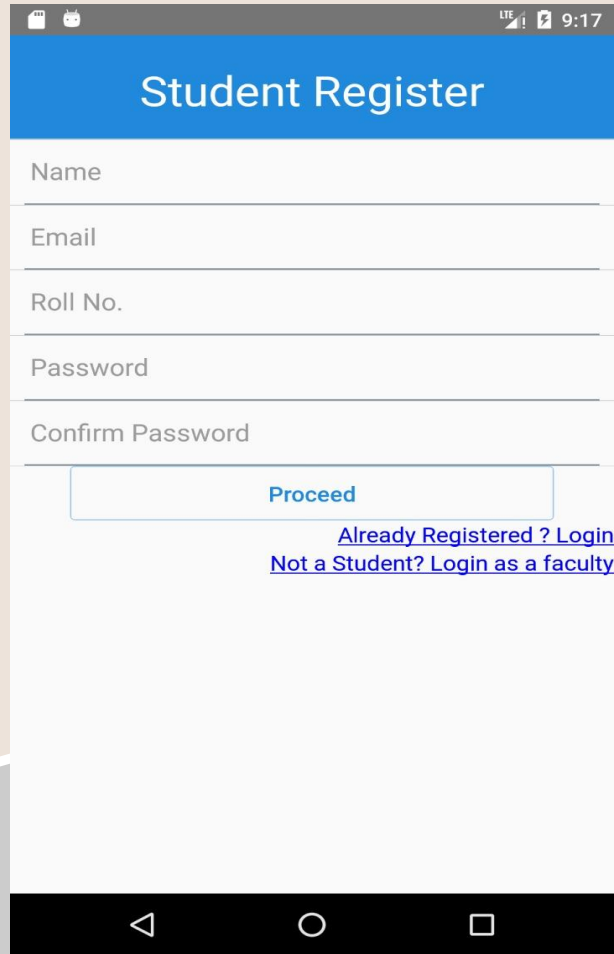
Machine Learning Model

- Yash Khanna

User Modes

As a Student

As a Faculty

Student Register

Student Register

Name

Email

Roll No.
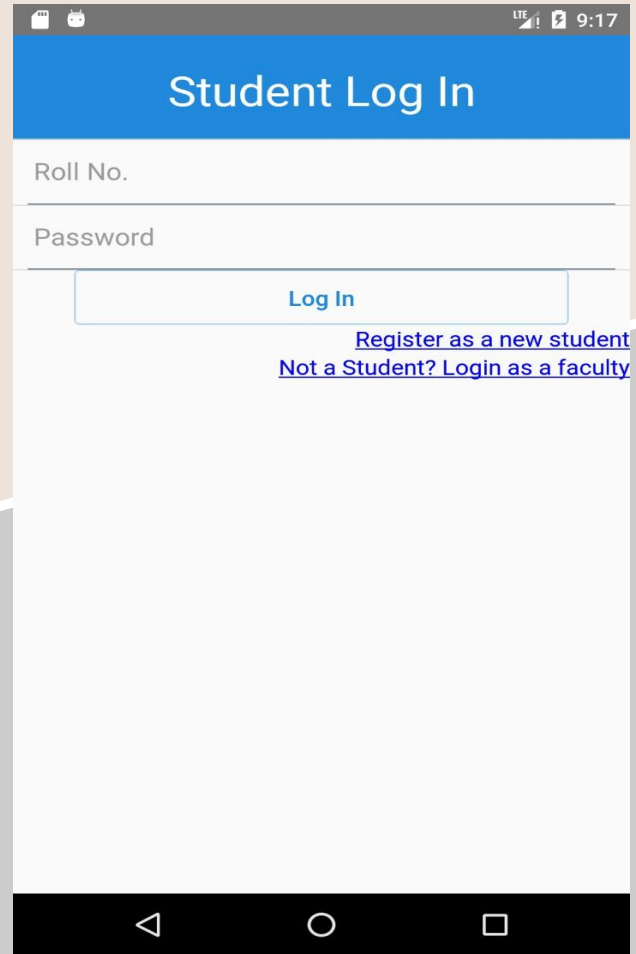
Password

Confirm Password

Proceed

Already Registered ? Login

Not a Student? Login as a faculty

Student Login

Student Log In

Roll No.

Password

Log In

Register as a new student

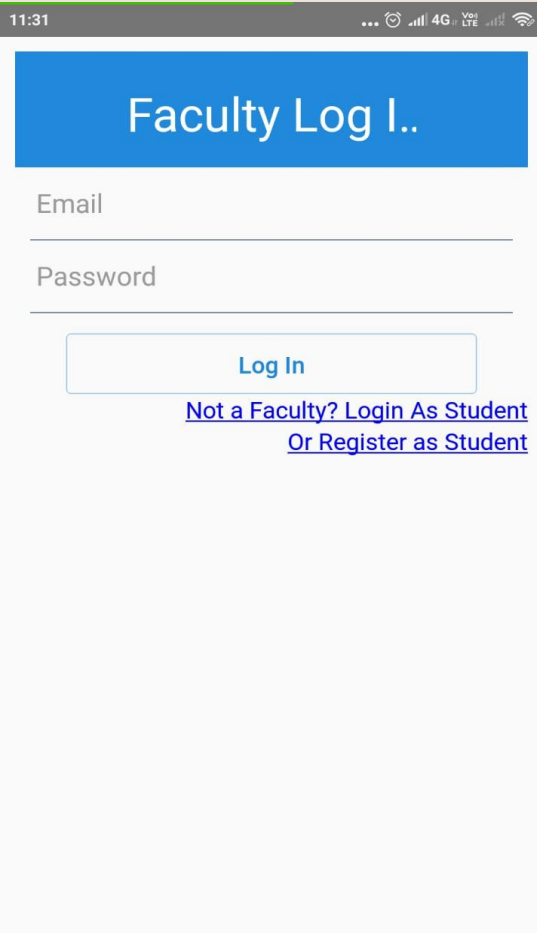Not a Student? Login as a faculty

Attendance Record of a Student

❖ Date and Attendance column
❖ Each student have separate table for each course taken
❖ Attendance of each class can be viewed according to the date mentioned:
➢ P - Present
➢ A - Absent

Attendance statistics of a student

rollNo	percentage	totalDays	daysAttended
B17035	50	2	1
B17036	0	2	0
B17009	100	2	2

❖ Each course have separate table for all students in that course
❖ Table has four columns
  ➢ Roll Number (rollNo)
  ➢ Percentage Attendance (percentage)
  ➢ Total no of working days (totalDays)
  ➢ Classes attended by particular student (daysAttended)

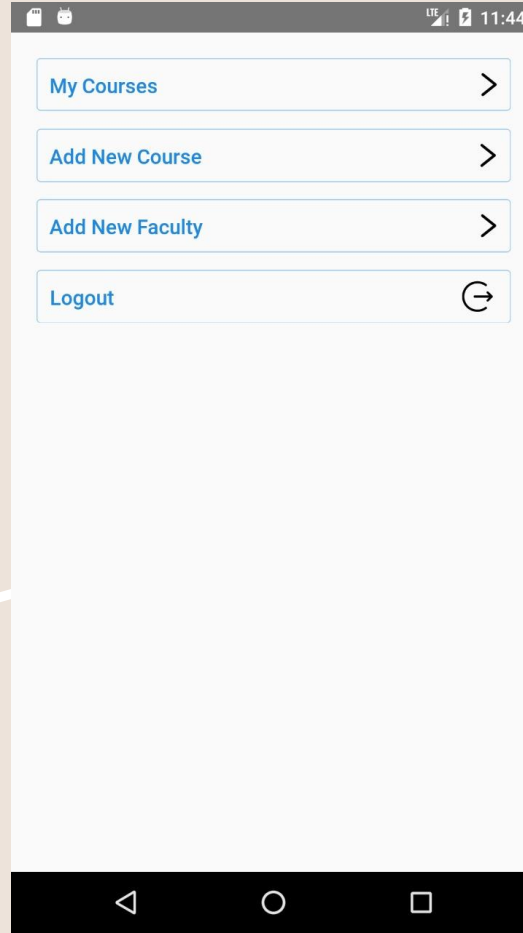# Faculty Login

Faculty Log I..

Email

Password

Log In

Not a Faculty? Login As Student
Or Register as Student
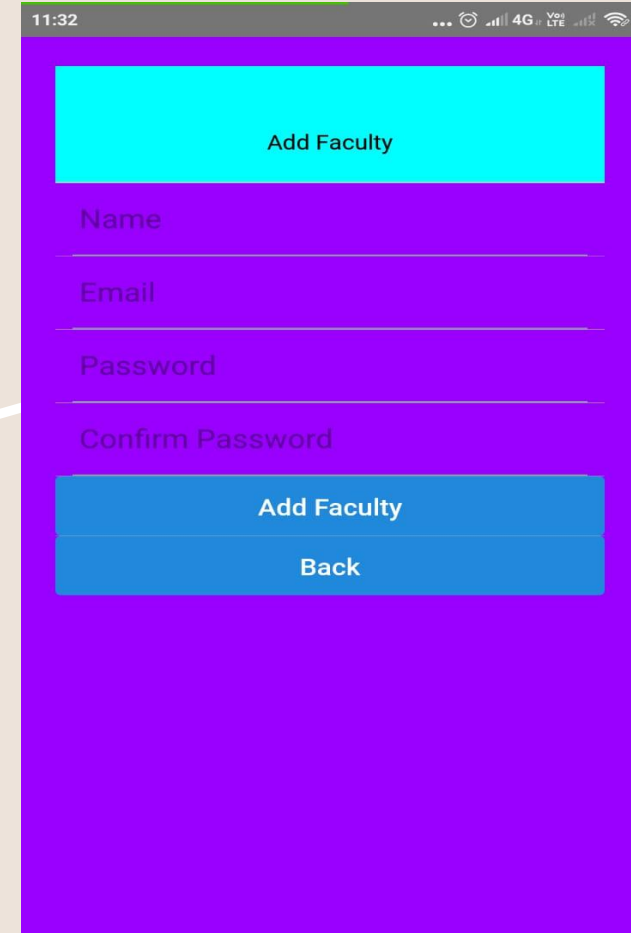
11:44

My Courses >

Add New Course >

Add New Faculty >

Logout →

Add new Faculty

11:32

Add Faculty

Name

Email

Password

Confirm Password

Add Faculty

Back

Mark Attendance

Take Attendance

See Attendance

Add Student

CS567: ICDP

CS-308: Database Practicum

Ic111: Linear Algebra

Back

Mark Attendence

Close Camera
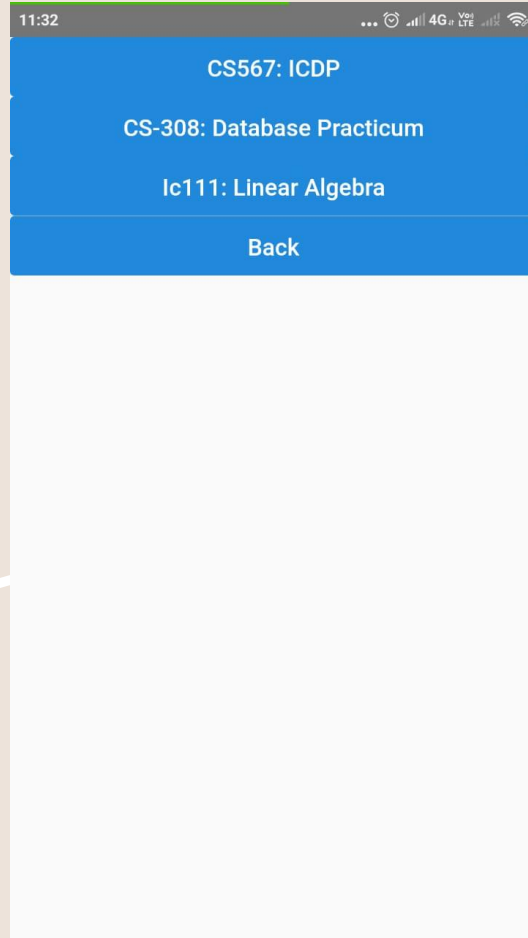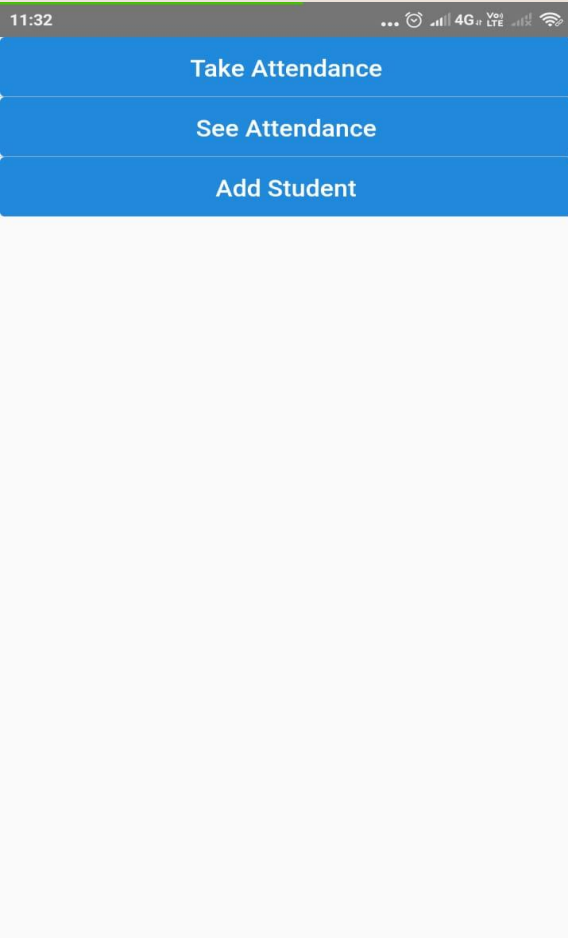
Add Students

Roll No.

CHOOSE IMAGE

Add New Student

Add Students

B17001

CHOOSE IMAGE

B17002

CHOOSE IMAGE

Roll No.

CHOOSE IMAGE

Add New Student

Add Students

Add Course

Course Code

Course Name

Add

Back

Thank you!