

EE/CprE/SE 492 BIWEEKLY REPORT

8/17/2020 – 8/31/2020

Group number: 27

Project title: Big Classroom Support

Client &/Advisor: Dr. Lotfi

Team Members/Role:

Brendan Niroula - Leader

Ali Al Ahababi - Front End Development

Jian Kai Lee - Back End Development

Zechen Huang - Facial Recognition Specialist

Weekly Summary

The objective of this week was to get back together and set up plans for the semester. We successfully used these weeks to decide how we will meet every week since we are all remote, what direction we would like to take the project, and researched different options we had to proceed. Changes to the project include bug fixes and a decision to change the way we are sending data to the server.

Past Week Accomplishments

Planning, research and testing- Brendan Niroula

- Set up weekly meeting times with Advisor and group members.
- Researched methods of sending pictures from Android glasses to the server while streaming.
- Tested picture to server application for facial recognition algorithm.

Continue developing front-end mobile app on android- Ali Al Ahababi

- Research the best way to upload the images to the server.
- Revise the mobile app and think of ways to enhance it
- Planning what new features need to be added in the app

Changed Django Default SQL lite database to MySQL - Jian Kai Lee

- Fixed and Tested Django backend left over from last semester and make sure no problem
- Research and Setup remote access for the MySQL database connection in AWS
- Added image storing column in database
- Research the image storing

Develop the back end server with Django, and set up face recognition algorithm environment - Zechen Huang

- Try to find a way to store image in database of DJango framework
- Start on what we left

Pending Issues

Image store in backend server,

Taking pictures while streaming from the glasses.

Individual Contributions

Name	Individual Contributions	Hours This Week	Cumulative Hours
Brendan Niroula	Set up meetings between members and advisors, researched new method of sending picture to a server and tested the code.	3 last week and 5 this week	77
Ali Al Ahababi	Continue developing front-end mobile app on android	3 Last week and 3 this week	72
Jian Kai Lee	Changed and Tested Django backend and database changes from SQLite to MySQL	4 Last week and 8 this week	72
Zechen Huang	Optimize the face recognition server	6 Last week and 6 this week	72

Plans for the upcoming week

- Sending pictures from glasses to the server for facial recognition algorithm to take effect. - Brendan
- Making the UI in the glasses nicer - Brendan
- Image saving in database and android UI design - Jian Kai Lee
- Successfully connect Django and face recognition algorithm environment - Zechen Huang

- Implement uploading images to the server feature and other features. Also, test mobile app-Ali

Summary of weekly advisor meeting

- Due to an internet outage, our advisor was unable to meet with us.