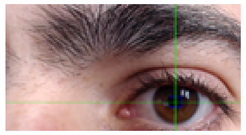
STUDENT'S ACTIVITY MONITORING IN ONLINE LEARNING ENVIRONMENT

Final Year Project (2017-2021)

Introduction

Online Learning environment became basic need of everyone in this pandemic and teachers do a lot of hard work in making lecture and mostly students don't watch lectures and just mark present and wastes the hard work of the teacher so in order to overcome this thing we made an application which will measure attendance through consistency of student using eyeball detection.



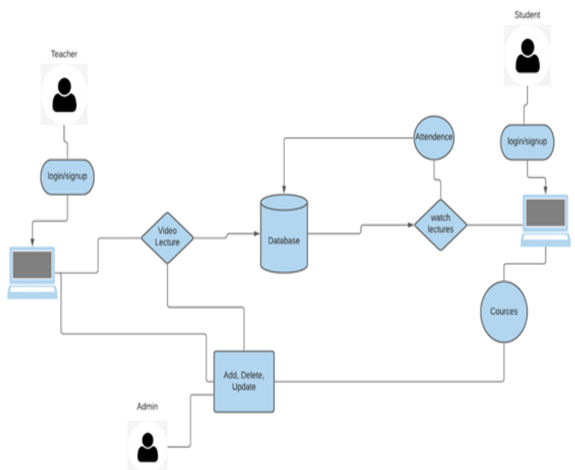
Motivations

- Teachers hard work will not be wasted.
- Attendance will be marked according to lecture student had watched
- Students will learn something by watching lectures instead of skipping lectures
- If student had watched the lecture, then he had learned something and will not cheat in exam.

Objectives

- Helping teacher to make his students to learn.
- Making Students not to cheat in exams.
- Students can watch lecture as many times as they want.
- Making student teacher interaction
- Sending and checking feedback on lecture easily.

Architecture



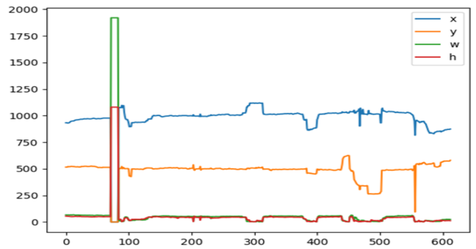
Future Work

- Improvement security measures in app
- Recognize the student from his picture.
- Improvement of time complexity of algorithm.

Tools & Technologies

- Visual studio code
- MS Word
- MS PowerPoint
- Visio 2016

Results




```
eye_recording.flv EOF
Starting point of Iris 936
971.7128874388254
148.5191144408875
Range (890, 1120)
Attendance 89.23 %
```

System Background

The main purpose behind designing this application is to provide a platform to the teacher in order to upload lectures and can check automatically generated attendance by application and students can watch the lecture and give feedback to the teacher and attendance will be marked automatically by checking consistency of student through eyeball and face detection.

Conclusion

Our app will help the teacher in a sense that his all lectures will be watched by every student and attendance will be marked according to consistency of students during watching lecture through eyeball and face detection and it will help student in his exams because he will learn everything because of watching whole lecture with full concentration

Group members

Saad Bin Aziz CIIT/FA17-BCS-068/ATK
Email: fa17-bcs-068@ciit-attock.edu.pk

Jahanzeb CIIT/FA17-BCS-050/ATK
Email: fa17-bcs-050@ciit-attock.edu.pk

Supervised by Dr Shehzad Faisal
Co-Supervised by Mr, Najam Dar