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**Department of Computer Engineering**

**University of Engineering and Technology, Lahore**

**Final Year Project**

**(Project Proposal)**

**TITLE: EduTech Hub**

**Submitted to:** Ms. Sahar Waqar

**Submitted by:**

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Problem Statement:

Less authentication in University/College teaching systems leading to plagiarism and less quality education. No centralized platform for a college/university for recorded courses/webinars/other paid and crash courses offered.

Scope:

Authentications to deal with plagiarism for assignments, quizzes and exams. Easy communication between student and teacher on that network. Separate profiles of students for each specific teacher with feature non-graded badges to be assigned to a student getting a good graded in skill test, so that a teacher can re evaluate in that subject for a better grade.

Feature Set:

1. Face Recognition of a student.
2. Reading of student details from id card matching them with university database with authentication email on student email.
3. Subjective quiz checking.
4. Spam Detector in messages.
5. Warning on multiple faces in exam.
6. Location comparison between students.
7. Smartphone detection.
8. Chatbot.
9. Attendance through face recognition.
10. Login, Sign up forms,
11. students profiles to be shown to teachers with students can put their picture as dp.

Software Methodology:

For this Project we will be using Agile methodology.

Sprints 1 in Agile Methodogy:

1. Login Sign up with interactive user interface.
2. Properly deployed face recognition in working.

Next priority in the 2nd sprint:

1. Reading of student details from id card matching them with university database with authentication email on student email.
2. Subjective quiz checking.
3. Student and teachers profile picture with student can upload picture as profile picture.
4. Communication to between student and teachers.

Languages:

HTML,CSS, Bootsrap,JS,React.js for front end web development.

Django for backend development.

Python for Machine Learning

Team Leads:

To be rotated after every month.