



Project - Student Performance Tracker
Guided by - Nimisha Ghosh

Branch - CSE
Sec - G

Group Members:

Sayan Banerjee (1741012003)
Soumyadeep Seal (1741012106)
Ayantha Pal (1741012147)
Amlaan Mohapatra (1741012104)

Abstract-

Due to COVID-19, there is a sudden increase in virtual classes. And as there is an increase in online classes, the requirement of several tools for assessment, keeping track of student performance, tests, etc has increased. This work deals with the student performance monitoring problem. This is a class review app in which faculty/instructors can assess the understanding of different concepts of a subject by taking a quiz in several formats. The app will have options like setting time for a test, giving random questions to different students from a set of questions, monthly report tracking, unique login id for each student, etc. This app requires stable internet connectivity.

Requirements:

Software-

1. Operating System - Windows 10 / macOS X
2. Technology - Android
3. Backend - Java SE
4. Front end - XML(as UI)
5. Tools - Android Studio

Hardware-

1. Processor - Intel i3 and above.
2. RAM - Min 4GB, 8GB recommended
3. HardDisk – 2 to 3GB min

Introduction-

In today's technologically-driven world, almost every student has access to smart-phones. There are mobile apps for each and everything nowadays. Schools and teachers can use apps that help both institutes and students grow. With apps, institutes provide students with a resource they are already comfortable using.

A mobile app is a simple solution with which teachers and students can maintain records, access information and manage things without putting in a great deal of effort. It also has an easy user interface so end users need not undergo special training to operate or manage it.

The aim of this project is to develop an online examination system app by applying software engineering android principles. The system will be designed to be scalable, secure and robust.

The online examination system will help in speeding up the process of conducting examination. Teachers will be able to create examinations by composing a different set of questions. The questions can be multiple choice questions or single (text) answer question. The system will present an easy to use interface for teachers, students and administrators. Once logged in with unique exam ID and password, students will be able to see the examinations due and can take the examination. Candidate is given a limited time to answer the questions and after the time expiry the answer paper is disabled.

The goal of this project is -

- to reduce the amount of paper work.
- efficiently evaluate the candidate thoroughly through a fully automated system.
- comparing with traditional exam system, the cost for an online examination is less.