Micro Project Report

On

**Teacher Student Assistant**

Submitted By

**Achala Jadhav (3301)**

**Karishma Galande (3317)**

**Under The Guidance of**

**Prof. Vaishali Salgar**

Department of Computer Engineering

**Cummins College of Engineering, Pune**

(2019 - 2020)

**Technology SELECTED**

**Android Studio**

Since Android supports JAVA, the application was built on it.

**KEYWORDS**

1. Student
2. Teacher
3. Student Teacher Interaction
4. Quiz System
5. Assignments
6. Notes

**ABSRACT**

**The Problem With Traditional Study Included:**

* No time flexibility
* Education is expensive
* No proper study material

The proposed application deals with the interaction between student and teacher. It is used for the purpose of giving assignments, providing notes, attempting quiz, solving student’s queries, and the feedback of the student is also recorded.

Unlike colleges, our applications are available round the clock. Experts say that apps in education can make children more interactive and activate better engagement between parents and children. The most effective way is to engage with the children while they are using applications. Interaction tendency in children is enhanced by mobile applications.

The application requires internet connectivity for using it. The interaction between teacher and student is done through the app. The teacher can also give any important announcements through the app itself. Quiz can be conducted through the app.

The application uses the database which is firebase and it is provided by google. In this application the teacher and student can login through e-mail, G-mail, phone number.

**MODULE WISE SCOPE**

The application contains the modules teacher and student which performs the interaction between them. This is used for performing various operations through the app. Students queries can also be solved by teacher through the app itself.

The application stores the following information:

1. Teacher:

This module contains the registration of the teacher. The registration can be done through phone number, E-mail, G-mail. In this module the teacher can upload the assignments, notes, can conduct quiz. Teacher can also give announcements to students.

1. Student:

This module contains the registration of the student. The registration can be done through phone number, E-mail, G-mail. In this module the student enrolled to this app has permission to access the assignments, notes, can give quiz. Student can also give feedback related to any issues. Student can also ask their queries through this app.

**TECHNOLOGY FEATURES COVERED**

* Widgets:
  + Button
  + Edit Text
  + Toast
  + Text View
* Layouts:
  + Linear Layout
  + Relative Layout
  + Constraint Layout
* Intents:
  + Explicit Intent
  + Implicit Intent
* Firebase:
  + Authentication
  + Storage