A School App

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Abstract: *These paper is about my android application made for Schools. This app is an online interactive platform for Students, Teachers and Parents to enable digital school and have efficient & continuous communication. This platform enables Teachers, School Admin to digitize process and reduce manual work. This application is easy operate. By using this application parents can be familiar with the school environment. They can know the complete details of syllabus, attendance and mark list. By this project students can get close to school environment. They can get every updates regarding their marks, syllabus, academic plans and fee. All the copyrights will be provided by admin. The main rights are provided to admin he can do everything and can watch everybody's profile.*

Keywords: *Android Application, Student, Teacher, Parent.*

I. Introduction

This project is an android application that maintains all the activity related to school this project provides time to time event information related to school. This platform is native Android mobile application built on proven Microsoft Azure Cloud Platform. Enables school to: Lay foundation towards Digitization, Be first mover by doing it right first time and build fast solutions in future, Keep pace with fast growing technology without keep on changing IT Infrastructure and Ecosystem, Bring transparency and connect with ever growing Tech Savvy and Caring Parents. The main rights are provided to admin he can do everything and can watch everybody's profile. Admin can send regular sms and emails to students, parents and faculties. He can send auto fees alert to parents. In this application ,administrator can register all the students and faculty in the School and parents. Admin is responsible to maintain the database in which student/faculty/parent information is present .Students need to get login details from the administrator. After getting the login detail she/he can login into their accounts. Students can receive notifications from faculty. Students can view their day to day Time table. Student can receive Notifications of events from school. To interact with this application teacher needs authentication, administrator provides login details for every professor in the school. Teacher can drop notifications for assignment submission dates /questions. These notifications are pushed to students notifications. Receive/send messages to students (enquiry). Notifications of college events. Can add notes in jpeg, pdf formats to take a quick peek in class.

Fig.1. Android Technology

II. Goals

1. The main objective of this app is to reduce the communication gap between parents & teachers.
2. Intended to provide efficient services like (student attendance , marks.......)
3. It is used to minimize the manual work load. It can be implemented in all schools to proceed the works smoothly.

III. Features

A. Dashboard

This application have an interactive platform.360 view for Parent of their ward and dashboard view for Teacher.

B. Parent Zone

This application provides Platform for hassle free communication between Teachers and Parents. By using this parents can ask their queries to the particular teacher.

C. Alerts

Each & every details about the school can be provided in Alert box. It may also contain exam alerts. Low attendance of any student, etc. Alerts and Broadcasts from School for Parents.

D.Notifications

Notification to Parents, Teachers to take actions or   Standard updates.

E. Calendar

Calendar view of Exams, Events, Holidays & Attendance. This section provides list of all holidays.

F. Fees

This Section provides details about fees of particular Student. Student Fee Schedule and Payment Summary. Also provides details about remaining balance.

G. Profiles

This Section provide Student & Teacher Profile. Every student & teacher has his/her personal profile.

H. Attendance

This Section provides & manages student attendance.

I. Reports

Performance reports of the Students. By using this parents can see markshit & performance of their ward in a particular test.

IV. Advantages

A. No Communication Barrier

This application have improved communication between Parents and Teachers.

B. Addressing parents concern

Effective & better Involvement of Parents.

C. Data Storage

As this application is using Microsoft Azure's Cloud Service, therefore a huge amount of data can be stored in a database.

D. Mobility-Anytime, Anywhere

Access to information anywhere, anytime! Always up-date.The main thing about this app is you Dont miss school updates while away.

E. Operational Efficiency

This application has helped in Reducing Administrative work for teachers, and also provide self-learning.

F. Easy to use
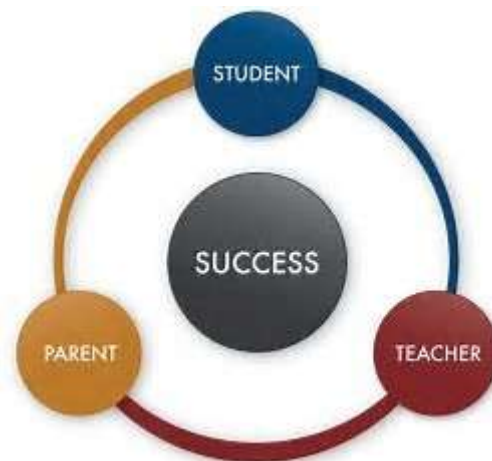
This application is as easy as whatsapp !

Fig.2: Parents-Teachers Communication Cycle

V. Disadvantages

A. Upgradation

As this is an android application it requires regular upgradation.

B. Mobile Compatibility

This application is compatible with android 4.4(KitKat) & above. It will not work below android 4.4(Kitkat) & it doesn't work on Ios.

VI. Conclusion

This application in automating the existing manual system. This is a paperless work. It reduces man power required. It will provides accurate information always. All the administrator, parents, teacher can get the required information without delay. The application offers reliability, time savings and easy control. It can be used as a base for creating and enhancing applications for viewing results, tracking attendance for colleges or any workplace. Students and their parents will also view results, attendance and curriculum details using this application. Also students can view details, notifications anywhere and anytime.

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