**Project Proposal**

**Title**

Educational Institution management system

**Team member**

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**SECTONE**

**Introduction:** SECTONE, an educational institution management software is a project based on

* **Web application and**
* **Mobile application.**

This project will manage almost every activity through computer and mobile phone related to the university without using a pen and paper in a smart way. Such as student information system, online admission system, online payment system, online result system and even the class attendance system. Implementing this system, a university will be able to do its necessary work in a short amount of time. Paper based time consuming antique fashion work will be reduced (almost removed). Several mobile apps will be integrated to the system, Different apps will deal with different tasks.

Efficiency of management, liability and the security are the main focus of this project.

**Motivation:**

During student life students face various difficulties because of the poor or antique fashion management system of any educational institutions. Our antique fashion management system requires a lot of time and manpower. It also includes lots of paperwork which is not compatible for the modern digital world. that is why this project idea came to our mind solving all these problems.

This project is significant for its less time consumption, easy to manage everything with the help of mobile phone or computer.

There are some applications or websites related to the management of educational institutions. But the existing systems don't have all the features that an educational institution needs to manage.

This project SECTONE includes some interesting features like mobile based attendance system, online examination system and online admission system. This project will be more successful because it includes almost all possible works that educational institutions need to manage.

The goal of this project is to help the existing education system as well as the individuals related to the system.

**Project details:**

**Environment:** This project will be run on web and mobile applications.

**Required Languages:**

1. HTML
2. CSS
3. PHP
4. JavaScript
5. Dart

**Required Frameworks:**

1. Bootstrap
2. Laravel
3. vue.js

**Required software and hardware:**

1. Xampp
2. Composer
3. Git Bash
4. GitHub
5. Visual studio
6. Smart phone
7. computer.

**Issues and challenges for implementation:** We have to learn various new programming languages and technologies that will be problem some as well as challenging. Working with new languages and new technologies creates some difficulties in the developing process.

**Features:**

1. **Student information system**
2. **Hostel management system**
3. **Admission system**
4. **Payment system**
5. **Online form fill up for semester exam:**
6. **Online result system**
7. **Attendance system**
8. **General information for visitors**
9. **Library management system.**

**Timeline:** SECTONE is quite a big project having so many subsystems. The estimated timeline for completion of the project is nearly 8 months. This project may require some more time to be completed properly.

**Conclusion:** This project SECTONE, is basically an educational institution (school, college and university) management project based on Web and mobile application.

The motivation for this project is to digitalize the existing education system, to do the works related to education within a short amount of time and to help the individuals related to the systems.

The current education management system is partially online, sometimes offline. That is why the existing process is less efficient and needs a lot of paperwork. This project will help to make the system completely online based. Web application and several mobile apps will help to solve the problems.