



# A REVIEW ON PUPIL ATTENDANCE SUPERVISION APP

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## ABSTRACT

Pupil attendance supervision system is responsible for maintaining the student's attendance information. It calculates a student's attendance based on their participation in class. It is upheld on a daily basis based on their presence. A unique login and password will be given to the staff so they may update the students' status. The staff members in charge of certain disciplines are in charge of ensuring that every student is present. The student's attendance will only be tracked if they were there during that particular session. The student's attendance reports will be produced using consolidate. Pupil Attendance Supervision is generally used by three kinds of users Student, Faculty and Admin. "Pupil Attendance Supervision" application is designed by ASP.Net using C# and Android Studio using Java as its front end and SQL Server as its back enddeveloping tool.

## INTRODUCTION:

"Pupil Attendance Supervision" is a programme designed to keep track of students' everyday attendance in the

institution. Here, the staff members in charge of the topics are in charge of recording the students' attendance".

Over time, the majority of educational institutions have continued to use manual attendance management. The typical method of recording and maintaining student attendance is laborintensive and takes too much time. Each student's name must be called out individually by the lecturer, which takes time, especially in a big class. Distributing attendance sheets for children to sign and verify their identification is another option. The only problem is that students might sign on their friends' behalf and be dishonest.

The manual or conventional methods of keeping track of attendance are generally laborious and may interfere with teaching. To overcome the problems of manual attendance, I have developed "Pupil

Attendance Supervision” which is android app, it can be used in android mobiles. In this system lecturer takes student attendance in class through mobile easily. This system keeps record safe and secure. Attendance information of students is accessible quickly and without taking much time. The report is created with only a few button clicks.

## **REVIEW OF LITERATURE:**

A literature assessment is a writing process that summarises, synthesises and/or critiques the material that was discovered during a literature search. Additionally, it might provide as background knowledge or context for an important search project. The literature should be evaluated for a number of reasons, such as: Identify the current trends in the field of study. Learn about information sources and search strategies. Identify any gaps in the body of knowledge that may become study subjects. Validate the originality of a lookup project. Review the procedures Point out the mistakes to avoid and the fields of study's advantages, disadvantages, and trendingsubjects. Identify the challenge experts

### **Existing System**

For the pupils using the current system, manual entry is required. Here, handwritten registers will be used to track attendance. The user's record will need to be maintained, which will be a tiresome task. Here, additional human work is required. As records are kept in manually written registers, information retrieval is not as simple. This application needs accurate input into the appropriate field. If the incorrect inputs are made, the application might not function properly. The user thus finds it challenging to use.

### **Proposed System**

The suggested system has evolved to address the shortcomings of the current one. The goal of this project is to cut down on paperwork and save time while still producing accurate attendance records for the students. The finest user interface is offered by the system. This suggested approach may be used to produce effective reports.

### **OBJECTIVE/SCOPE:**

The project's scope is the system on which the software is installed. It is developed as a web-based application and an Android app, and it will function for a certain institute. However, the project can be changed in the future to full fill all the requirements of college or institute.

Pupil Attendance Supervision Basically, the system needs three components to operate properly. The admin module is the first and has rights. to add the subjects and time table information to the database. Admin has right to add faculties and students' information to the application. He can view the attendance report. Second module is faculty. Faculty has rights to take the students attendance according to his time table. He can view his time table. Faculty also can view his subject attendance report. He can update his profile. Third module is student who can view his attendance report and also he can view his details in the app.

## Feasibility Study

A software engineering feasibility study examines the viability of a given project or solution. One of the crucial four stages of the software project supervision plan is the feasibility stage. As name indicates feasibility take a seem to be at is the feasibility evolution or it is miles a diploma of software program software product in phrases of approaches a lot beneficial result enchancement can be for the organisation in a good component of sight.

### Types:

The feasibility take a seem at in unique concentrates on beneath 5 referred to areas.

### Technical Feasibility

To increase workload, technical feasibility analyses/assesses all current sources, including all hardware, software, and necessary generation. This technical feasibility examination provides documentation as to whether or if there are appropriate necessary sources and science that can be employed for assignment improvement.

### Operational Feasibility

Operational Feasibility looks at a product's ability to satisfy demands as well as how simple it will be to describe and safeguard a product once it has been deployed.

### Economic Feasibility

The economic feasibility study examines the project's rate of profit and benefits. The budget of the project for improvement, which includes necessary fees for very last improvement, such as hardware and software, is accomplished under this feasibility look at component comparison. software beneficial useful resource required, diagram and enchancement charge and operational charge and so After that it is miles analyzed whether or not or no longer assignment can be useful in phrases of finance for organisation or now no

### Legal Feasibility

Take a look at Legal Feasibility to see how the project's legality is attested to. This entails determining the limits of a task's legal execution, looking into facts protection laws or social media regulations, and looking into licenses, copyright, etc.

### Schedule Feasibility

Timelines for a project's exact feasibility analyses should be planned and closing dates, determining how longit will typically take businesses to complete the project.

# SOFTWARE REQUIREMENTS SPECIFICATION

## Modules

This project has following modules

### Functional

#### requirementsAdmin

1. The admin can add or eliminate courses.
2. The administrator can add or remove subjects.
3. The administrator can update or remove the instructional personnel.
4. The administrator can edit or remove students.

#### Lecturer

1. Lecturer can take the attendance of the students as their time table.
2. Lecturer can view the allotted time table.
3. Lecturer can update the password.
4. Lecturer can view the attendance report.

#### Students

1. Students can view their attendance report.
2. Students can update their password.

### Non-Functional

#### RequirementsReliability

The possibility and percentage of the programme operating faultlessly throughout a certain range of usage or period of time is known as reliability. Availability This feature describes the duration of the computer's operation, the time required to resolve issues, and the intervals between lapses.

#### Recoverability

Recoverability is the ability for a device to rise above a failure or crash and resume normal functioning.

Capacity Your system's storage capacity is determined by its variety and qualities, which are shown by this characteristic.

#### Serviceability

This trait denotes the ease of use of the characteristic provider when required.

#### Security

Security procedures ensure the safety of your programme against sabotage or espionage.

#### Manageability

This trait is defined as the ability to successfully influence a system while maintaining its actual functionality.

## Environmental

These variables affect the environment of the software. Will the system want to operate continuously? What are the external elements that could possibly affect it? (Like precipitation, humidity, and snow. S) Data reliability Maintaining and ensuring fact truth and consistency across a piece of data's entire existence is known as data integrity.

## Usability

This characteristic concerns the users since it indicates how successfully they can search up and use a system.

## IMPLEMENTATION

The software programme application implementation stage entails the conversion of the technical archives for the software programme application into one or more constructed, integrated, and examined software programme application configuration objects that are prepared for software programme software acceptance testing.

The following are the essential actions that must be taken while implementing software:

1. Manufacturing software programmes and devices to meet structural unit requirements.
2. Putting together, integrating, and attempting to make a software programme application configuration item out of software programme application components.
3. Creating challenging software programme application prototypes to identify implementation concerns or establish a proof of concept for a manufacturing.

Dry-run approval Examining methods to ensure that they are well defined and that the software programme software product (CIs and computing environment) is prepared for acceptance testing.

## CONCLUSION:

This application “Pupil Attendance Supervision System” is designed by ASP.Net using C# as front end and

SQL Server as backend. This application designed is a user friendly for the Lecturers and students. This makes safer logged into the application securely and have facility to take the attendance of students online. Thus, reduces the manual work and can get info at their fingertips within no time.

This application is computerize the attendance process. Through this application admin and lecturer can keep eye on student's attendance. This android app is user-friendly and allow only authorized users to login to the system. Thus, makes application usage effectively, safely and effectively.

## REFERENCES

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