****

***University Of Sargodha***

***Department of CS & IT***

**Online Attendance Management app**

**(Project Proposal)**

**Project Code:**

SU19-223344

**Project Supervisor:**

Dr. Hassam Ali

**Project Manager:**

Dr. Muhammad Ilyas

**Project Team:**

|  |  |
| --- | --- |
| Adeeba Ayesha  BSEF19M033 | Team Leader |
| Abdullah Manzoor  BSEF19M022 | Group Member |
| Bushra Iqbal  BSEF19M044 | Group Member |

**Submission Date:**

10/11/2022

**Table of Contents**

[Project Proposal 3](#_Toc117781305)

[1. Abstract 3](#_Toc117781306)

[2. Background and Justification 3](#_Toc117781307)

[3. Project Methodology 4](#_Toc117781309)

[4. Project Scope 4](#_Toc117781313)

[5. References 5](#_Toc117781314)

# 

# Project Proposal

# 1. Abstract

An attendance management system refers to an organization's approach to tracking employee time and attendance information. Nowadays, In the world of the internet and web 3.0 everyone is so smart, but to deceiving anyone is also very common. Faking attendance is also one of them. It is becoming common practice for employees all over the country. Officials are not provided with a proper solution to solve this problem. This project explains an android application that is used to track teacher attendance in universities and other educational departments. The objective is to track the location of employees, updating and deleting user information on Android mobile. The GPS service is used for tracking the exact location of the employees if the exact person is marking attendance or someone else standing at the location is marking.

# 2. Background and Justification

Technology today aims at reducing human efforts and promoting better living and cost-effective safe and convenient methods. Ten years ago, the world was adjusting to the fact that people could access information in the privacy of their own homes from the world wide web. Today technology has taken society to another plateau; people can be tracked wherever they go from their cell phones or car. These devices work in real-time and can provide an interested party with a wealth of information about the private daily activities of every person just as the introduction of the Internet to the workplace created new legal and policy issues employee tracking in the workplace implicates a new set of privacy concerns. Workers around the world in particular in the more developed countries are viewed to be frequently subjected to some kind of electronic monitoring tracking and surveillance by their employers.

Admin can watch employees primarily to protect their assets although the nature and intensity of surveillance say much about how a company views its employees. -workplace surveillance has consequences for employees affecting employees well! being work culture productivity creativity and motivation. No alternative can be found in managerial attention to task design supervisory processes employee expectations about monitoring and an appraisal of the company's operating environment can mediate its downsides.

## **2.1 Justification**

The objectives of developing an Attendance Monitoring Application are identified based on the review of the problem statements. The purposes are listed below:

* To store, access, and manage employee attendance data based on daily routine.
* It will help to analyze all the attendance data inserted and then verified either each of the employees according to the organization’s attendance policy.
* The main aim is that this system would test attendance by GPS (location) for

identification. It is expected that the work in this system will reach the stage of being able to fully test the hypothesis.

# 3. Project Methodology

The purpose of developing an Attendance Monitoring System is to computerize the traditional way of taking attendance. This proposed system uses GPS-based authentication. In identification, the system recognizes an individual by comparing his record in the database. This methodology contains three major phases:

* User Enrolment
* User authentication
* Report

## **3.1 User Enrolment**

During enrolment, the information of the user is stored in a database as a template for the subject along with the employee. The objective of the enrolment module is to admit an employee using his/her ID into a database after feature extraction. These features form a template that is issued to determine the identity of the employee formulating the process of authentication.

## **3.2 User Authentication**

User authentication is one of the major factors in the attendance monitoring system. Every Employee is authenticated based on a unique user identity stored on the admin side.

## **3.3 Report**

Only the admin, the concerned staff, or the faculty member is given the authority to see the report. The report is generated by selecting from and to dates. We can view the code, total number of presents, and attendance percentage.

# 4. Project Scope

The proposed system will be capable of maintaining the efficiency of every attendance record using GPS technology. This system is designed to be used by teachers at educational institutions. This can save time and effort.

It helps to track and store the attendance data in real time. The system also helps admins in maintaining and tracking leave applications, and the current location of employees.

# 5. References

Adeshile, O. (n.d.). *Project Proposal On Mobile Attendance Management System*. Retrieved from Scribe: https://www.scribd.com/document/544915475/PROJECT-PROPOSAL-ON-MOBILE-ATTENDANCE-MANAGEMENT-SYSTEM

*Attendance Management System Project Proposal*. (2022, March). Retrieved from itsourcecode: https://itsourcecode.com/wp-content/uploads/2022/03/Attendance-Management-System-Project-Proposal.pdf

Mondal, J. (2019). *Students attendance management system data part 2*. Retrieved from Academia: https://www.academia.edu/38598793/Students\_attendance\_management\_system\_data\_part\_2

Oqbah, M., Alhothaily, M., El-Kustaban, A. M., & Alradaey, M. (2015). *Fingerprint Attendance System for Educational Institutes*. Retrieved from Researchgate: https://www.researchgate.net/publication/304216847\_Fingerprint\_Attendance\_System\_for\_Educational\_Institutes#:~:text=Fingerprint%20attendance%20system%20aims%20to,traditional%20name%20call%20out%20procedures.

SohaibQaisar. (2017, September 25). *Student Attendance Management System IT-UOG -Project Management Office Version: 1.0 Project Proposal Guide*. Retrieved from Academia: https://www.academia.edu/35759430/Student\_Attendance\_Management\_System\_IT\_UOG\_Project\_Management\_Office\_Version\_1\_0\_Project\_Proposal\_Guide

Ujan, I. A. (2011). Biometric Attendance System. *Biometric Attendance System*, 1-4. Retrieved from https://itsourcecode.com/wp-content/uploads/2022/03/Attendance-Management-System-Project-Proposal.pdf