TAKORADI TECHNICAL UNIVERSITY

FACULTY OF APPLIED SCIENCE

COMPUTER SCIENCE DEPARTMENT

PROJECT PROPOSAL ON ELECTRONIC-BASED EMPLOYEE ATTENDANCE SYSTEM USING FACIAL RECOGNITION AND QRCODE AUTHENTICATION

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INTRODUCTION

The Employee attendance Management System project was developed to help employers track and monitor their employees. It's the system used to track how much time the workers spend working and how much time they spend off. This employee attendance management system project report talks about all of its documentation, like the project abstract, modules, and more.

An employee attendance management system monitors arrival time, duration of absence from a section, leave at credit and profit, and the monthly aggregate of hours of duty and absence of employees. This monitoring is done using computerized software and specific devices. This approach ensures that your employees are only paid for the time they work. The employee attendance system provides a precise view of the company's labor costs

A face recognition in addition to employee attendance system will automatically identify and confirm employees and records attendance based on their face detection. Face recognition attendance systems are catching the attention of both small and large businesses. It’s no wonder that such systems are becoming more popular in workplaces due to their wide range of advantages for both employers and employees.

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PROJECT DESCRIPTION

An employee attendance management system is used to track and monitor employees' attendance. An employer uses this employee attendance management system to track their employees' working hours, their arrivals, early departures, break time, and absenteeism. The advantages of using an employee attendance management system include enhanced productivity, cost savings, and legal compliance.

An organization's technique of tracking employee time and employee attendance information is referred to as an employee attendance management system. An accurate employee attendance and time tracking system can save you time and effort. The employee attendance system is used to track employee attendance and mobility during working hours, as well as to produce materials for salary processing.

PROPOSED PROJECT

The employee attendance management system project proposal using Facial Recognition and QRcode authentication states the solution and the problems faced by employee attendance management. It should contain the project problem statement, scope, and solution.

PROBLEM STATEMENT

Employee morale is harmed by poor attendance, which costs businesses overtime and diminishes employee engagement. Poor employee attendance requires time and attention from supervisors, and it frequently results in disciplinary action. You may control employee attendance to reduce absenteeism.

SOLUTION

HR can keep track of who is clocked in and out using an employee attendance monitoring system. This ensures that employees are solely compensated for the time they spend on the job. The employee attendance system gives the company a clear picture of its personnel costs. It's a mandate from the human resources department.

Employees who show up on time are expected to take over their coworkers' jobs while still managing their workload. As a result, they'll have to work faster or for longer periods, decreasing the quality of their work. This affects overall employee productivity.

SCOPE

Daily attendance, working hours, breaks, login, and logout time are all tracked by the employee attendance management system. It prohibits employees from stealing time. This system can apply to QRcode, biometric devices, and facial recognition devices. They can all be used to keep track of employee attendance in real-time by a system.