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Assignment title: 07

Submission title: SwiftVerify: A Multi-Modal Smart Attendance System

File name: A6_Technical_Paper.docx

File size: 2.4M

Page count: 8

Word count: 3,658

Character count: 24,235

Submission date: 29-Mar-2024 02:02PM (UTC+0800)

Submission ID: 2303204049

SwiftVerify: A Multi-Modal Smart Attendance System

Aboract. In response to the growing demand for enhanced intendance systems in electrational institutions, this paper propose a ground breaking Multi-Factor Attendance, propose a ground breaking Multi-Factor Attendance, intended and the proposed and the proposed and the unauthorised access. Our technology offers a multi-layered unauthorised access. Our technology offers a multi-layered facility of the proposed access of the proposed access and the facility of the proposed access and the proposed access and facility of the proposed access and the proposed access and system's centralized database allows for real-simulational standance qualities, providing relevant information on attendance management and make a major technologies.

Keywords- Multi-Factor Attendance System, Educational Institutions, Vulnerabilities, Security, Real-time Attendance Updates, Centralized Database, Attendance Trends, Attendance Management

I. INTRODUCTION

Traditionally, maintaining student involvement and operational efficiency in the context of educational institutions has efficiency in the context of educational institutions has efficiency in the context of educational institutions have been used for a strength of the context of the context of education in the context of the context

To overcome these issues, this study presents a ground breaking Multi-Factor Attendance System. Our solution combines voice matching, facial recognition, and beroods a standard control of the control technique and an admittation of the control technique in the control technique to the control technique te

By offering a complete and safe solution that expedites proceedings and improve data accuracy, our research aims to proceedings and improve data accuracy, our research aims to provide the control of th

II. RELATED WORK

of human streduces logging has continued, leading to errors and inefficiencies. Using speech recognition technology research a viable way to solve this problem and provide countrie, automatic attendance tracking. Unlining Google-Form conceptrated into an easy-to-tue Kivy application that runs in a lython environment. This technology guarantees precision and dependability in attendance recording while also doing sway with the need for personal intervention. Furthermore, where the present intervention. Furthermore, can easily access therough attendance status thanks to the integration of a spolylaciated user interface.

Through the implementation of this novel strategy, this successfully address the persistent issue of imprecise attendance recording, opening the door to more efficient and streamlined operations. Approach, which is based on special excessibility for both staff members and students. Moreover, accessibility for both staff members and students. Moreover, the properties of the properties of the properties of the control of the properties of the

[2] The manual method of keeping track of student attendance in classes is prone to manipulation and is therefore often unsuscessful. In an attempt to automate the process of tracking attendance, the Automated Attendance System (AUDACE) was created in response to this problem. AUDACE uses face recognition technology to identify punils in the classroom automatically and in real time. The technology precisely tracks attendance by taking features in real time and comparing them