



FINAL YEAR PROJECT REPORT
INTEGRATING GOOGLE CLOUDFLARE
FOR
A SECURE ATTENDANCE MANAGEMENT

In fulfillment of the requirement
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DECLARATION

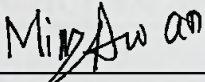
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INTEGRATING GOOGLE CLOUDFLARE FOR A SECURE ATTENDANCE MANAGEMENT

ABSTRACT

The key role in the development and growth of a country depends on its Education System. Most of the developed countries and developing countries have adopted the Cloud platform and deployed management systems to perform operations, maintain and track data more efficiently. It helps the administrators and teachers to have an accurate overview of the classroom and an individual's performance. Bahria College Karsaz (BCKz) is a project of Pakistan Navy and one of the leading educational institutes. A high number of students are enrolled and most of the administrative activities are done manually, including Attendance Management. The manual system is prone to errors with which the data can be inaccurate most of the times and storage of records is an issue as well. The goal of the project is to make a secure platform for attendance-based operations of BCKz and all other Schools by using Google Cloud platform & Cloudflare to increase availability, security, and accessibility. This Project uses most popular and widely used Technology Stack and Realtime Database for efficiency and instant data availability. The main advantage of the System is that it provides easy to use Interface, Daily & Weekly Reports, Class Attendance Management, Teacher Attendance Management with Geo-Fencing. This system is designed to provide BCKz and other Schools with a powerful Management System for Day-to-Day Operations and help in the Pandemic.

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