



WEB-BASED APPLICATION FOR ATTENDANCE MANAGEMENT SYSTEM USING ANGULAR

UNDERGRADUATE THESIS

Submitted as one of the requirements to obtain

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FACULTY OF COMPUTING

INFORMATICS STUDY PROGRAM

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**Web-Based Application For Attendance Management System Using
Angular**

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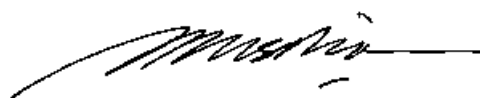
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ABSTRACT

Attendance systems today rely on human presence, which is expensive, insecure and prone to theft or phishing. A new system is needed to solve this problem. Developers want the flexibility to track attendance activity and provide facial recognition and area detection as proof of attendance. With an attendance system using facial recognition and area tracking, this final project aims to develop a web-based application that allows users to easily register and monitor attendance anytime and anywhere. The technique utilized called RAD. Developers define requirements according to importance and create a working prototype of the website. In order for the program to work with the client, the user may provide information during the process. If everything goes according to plan, repeat the prototyping process. Developers then test, update and improve the program before sending it to customers. The application has been tested and the results are as expected, for example, the system can find the user, and the user can perform facial recognition. Overall, the application meets the requirements. The main features of this web-based e-commerce attendance management system attendance tracking are face-api.js and geolocation API. Users can easily register and track attendance with the e-commerce attendance management system that uses area tracking and facial recognition.

DEDICATION

I have received encouragement from numerous friends, family members, and mentors along my journey to acquire my bachelor's degree. I've had the good fortune to share the journey with a lot of relatives and friends. To those who have always been there for me, I dedicate this final project.

ACKNOWLEDGEMENT

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