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***ASPS***

***Administrative and security Protection***

***System For Institutions***

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**Project Overview**

ASPS is a system for administrate and securing institutions in controlling the insurance or management of the institution The idea will be IOT, The idea aims to secure the entrances to the institution to secure them from the illegal entry of persons who are not authorized to enter, and at the same time it is a system for recording the attendance and departure of the employees of the institution. The idea is based on two-factor authentication, namely ID cards using RFID technology and the second factor using AI. We will make face recognition using camera.

As for the software part, it is a dashboard that controls our hardware, and who will control it directly is the super admin, which has different powers, The admin will be able to follow up on the database or the attendance and departure reports for the employees of the institution.

And we will have a mobile application through which we will be able to control the guests who will enter the institution by submitting a document and starting to give it temporary permission to move it by air. we will have a way to track people inside the organization through LIFI technology, through which we will create an internal network for the organization so that any data will be transmitted over the place.

**Project Objectives:**

We seek to improve management in institutions to become easier and tighter.

The following is a list of our project objective:

* Facilitate the management of the presence of visitors on institution and determine the powers of their presence in certain places.
* Restricting people who are not allowed to be in certain places.
* Setting the maximum number of individuals inside the institution at the same time to follow the health guidelines.
* Track the location of each employee in the company in a high-quality manner
* Determining entry and exit permission for staff and visitors.
* Reducing the human factor in controlling the management or insurance of the institution in general.

**Project scope:**

The program reduces the human element in the management of institutions by providing a device that checks the person’s card and determines the traffic tolerance based on the database, which in turn contains all customer data, which is previously inserted through the admin.

**Diagram

Description automatically generatedSystem Architecture**

***Graphical user interface

Description automatically generated Business model Canvas***