

# Project Proposal

## **Predicting the density of human crowds in the Grand Mosque**

Contribute to the development of the promotion process in the Grand Mosque by presenting a technical proposal that enables workers to speed up decision-making and build a knowledge model that is useful in improving crowd movement programs.

### **Question/need:**

What is the upper limit for the number of human crowds and managing them with high efficiency in the Holy Mosque in Makkah?

Umrah pilgrims and visitors to the Grand Mosque are the beneficiaries of this technology.

Servants of the Grand Mosque.

### **Data Description:**

Visitor numbers were obtained from the Ministry of Hajj and Umrah

based on the equation for the proportion of human crowds = 4 people per square meter>

I expect that technology will be used to determine the target numbers to enter the Grand Mosque

### **Tools:**

Determining the number of visitors in advance according to the proposed capacity.

Yes, the technology can be linked to smart cameras for counting and motion-sensing technology in real time

### **MVP Goal:**

The goal of this project is to Determine the number of visitors in advance according to the proposed capacity