

# ReProposal: Safe Distance Application using AR technology

## Reasons to split the group

The project will be proceeded by one student, Ahmed Gmal Abdin 20180763, under the supervision of Dr. Ali Alsaffar.

Our project could be splitted into four parts:

1. An application using Augmented Reality technology to measure the distance between the camera and another object
2. An application detects the human body
3. The integration of the above applications together
4. The report

To reach to this plan, I was the only one working, searching, and trying to understand the project and the needed tools productively, one of the other members was trying. The above plan discussed at the end of the fourth week of this semester, tasks been assigned, and deadlines been set, but the results did not meet.

I was the only one who called for meetings, we had four to five meetings. I tried to split the work many times. Until now, there was no real problem happened, I found myself between two choices either I continue progressing on the project by my own, or I leave the group.

We agreed on that, I will continue working on the same project, and the other two members will take another one.

## A brief explanation of the project

Keeping a safe space between individuals is a healthy preventive strategy to prevent COVID-19 transmission. In this project, we will provide an app, using the phone camera, that helps the users to keep a safe space between each other by measuring the distance between the user and any moving target and alerting if the safe distance has been violated.

## The purpose of the project

Develop an application, that will use Augmented reality to keep track of the distance between the user and any moving object, alarming him/her if any distance violation happens.

## The importance of the project

This project will help minimize the transmission of COVID-19 and add a fun flavor to follow the preventive measures.