Keeping a safe space between individuals is one of the healthy preventive strategies used 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.

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.

This project will help minimize the transmission of COVID19, and it will add a fun flavor to follow the precautionary measures.

Epidemiological Analysis of the Coronavirus Disease Outbreak with Random Effects by Farman M.a, Ahmad A., Akgül A., Saleem M.U., Naeem M., Baleanu D. [[1](https://www-scopus-com.libweb.uob.edu.bh/record/display.uri?eid=2-s2.0-85102444671&origin=resultslist&sort=cp-f&src=s&st1=covid+AND+precautionary+safe+distance&nlo=&nlr=&nls=&sid=0c51675ffc8ebaedc1053944ec2a0959&sot=b&sdt=b&sl=52&s=TITLE-ABS-KEY%28covid+AND+precautionary+safe+distance%29&relpos=2&citeCnt=3&searchTerm=)]

Precautionary Measures and Illness Attitudes toward COVID-19 among a Sample of the Kuwaiti Population by Al-Sejari M.M.,Al-Ma’Seb H. [[2](https://www-scopus-com.libweb.uob.edu.bh/record/display.uri?eid=2-s2.0-85093958361&origin=resultslist&sort=cp-f&src=s&st1=covid+AND+precautionary+safe+distance&nlo=&nlr=&nls=&sid=0c51675ffc8ebaedc1053944ec2a0959&sot=b&sdt=b&sl=52&s=TITLE-ABS-KEY%28covid+AND+precautionary+safe+distance%29&relpos=5&citeCnt=2&searchTerm=)]

Measuring distance with ARCore by Shibui Yusuke [[1](https://shibuiyusuke.medium.com/measuring-distance-with-arcore-6eb15bf38a8f)]

Introduction to augmented reality and ARCore by Coursera [[2](https://www.coursera.org/learn/ar)]