

## **Executive Summary:**

A lot of time is wasted in online classes by taking attendance. Our project will overcome this problem. It will allow the host to take attendance just by pressing a single button. A message will appear on others requesting them to open their cameras. It will then automatically take attendance by comparing the images from pre-stored images of them in the database. By this, it can save time rather than taking attendance individually. It is based on image processing system.

## **Project Background:**

There are bunch of solutions based on our ideas, which are based on image and face recognition system. Since there are no problems in the existing solutions bases on our idea. Though, the only problem which may occur is the data theft or threats to privacy. Also, they may be chance of cheating may occur while marking attendance since students do take classes of there friends to ensure the attendance.

## **Different than existing solution:**

As mentioned, the issues of data theft and privacy issues we may introduce a system in which screenshots cannot be taken of other users during attendance. This idea will ensure that there will be no cheating during attendance because in manual online attendance a student may take class of his/her friend to mark their attendance but through this idea it would be compulsory for every student to turn on their cameras to mark attendance.

## **Benefits of Project from end-user:**

By this project, both the end user and the organizer may benefit from this because of its efficiency and time saving. There will be no burden of marking attendance. By doing, this will eliminate the paperwork which is done for manual attendance. By manual attendance taking, there may be some human error while marking attendance but by our purposed idea this may reduce the risk.

