What are your goals?	Define your goals/objectives and the scope of your work so that it will become easier to fulfil the primary requirement. You must enlist at least 6 distinctive features/services for your proposed project work.

Goal/Objectives: Realtime Face Mask Detection with Face Recognition of the Violator in a Workspace

Features:
➔ The model will be able to detect face of human beings
➔ The model will be able to detect face mask
➔ The model will be able to recognize/identify person
➔ The model can be applied to video streams
➔ Real time detection will be possible
➔ Detection of violator of wearing mask

How do you complete your task?	Prepare an implementation timeline by Listing-Out the Milestones, Involving the required Stakeholders, Defining your evaluation/performance Metrics, Assigning team roles, etc.

Milestones:
1. A new dataset will be developed containing images of different persons with and without masks with identification. Different types of face masks will be applied on the face images to prepare this custom dataset using generative adversarial network.
2. One model will be developed to detect whether a person is wearing a mask or not.
3. Another model will be developed to recognize the person who is not wearing a mask.

4. We will keep on working on building the model until we reach a certain level of accuracy. After that, we will make a small dataset with our peers (with and without masks) without any augmentation.
5. We will then work for real time detection of face masks and recognition of the violator.

Evaluation/Performance Matrix:

The accuracy of our model to detect face masks and the recognition of the violator.

Team Roles:

Hard to divide roles as the work is complicated enough. Countless subtasks are there in each of the milestones. The whole task is divided into 2 big sectors:

1) Dataset preparation
2) Preparing the model

Dataset preparation will be led by **Tanhab**. And preparing the model will be led by **Dristy**. But we both will need to work on each other's sector in order to complete the task on time as without completing sector 1, we can't start working on sector 2. So, the more the manpower in each sector, the merrier.