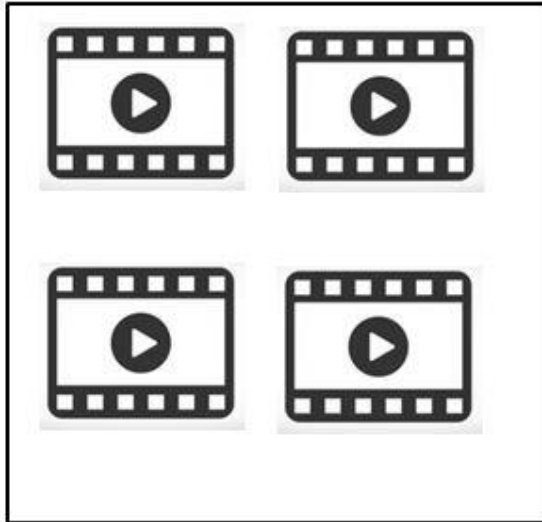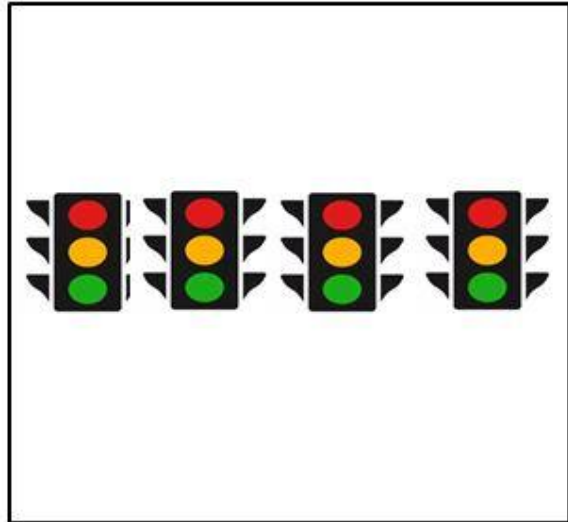If we want to use only our department and represent the project the UI can be designed like this

Videos input   **Signal output**

The 4 videos will be given as input and played in real time if AI recognizes the ambulance the respective signal will turn green and all other signals will turn red.

If we want to do hardware model too with a circuit I have few contact in electrical department I can take there help to create a circuit connect with led lights (emulation of signals) and we will learn to do circuit programing too

Problem case : Deadlock situation

Deadlock situation:

What if all the 4 cameras recognize ambulance at the same time? How the ai will handle the situation