AI Evaluation

At FootfallCam, we provide rich footfall data for retail stores as well as advanced analytics and insights to help business decision making. Our 3D sensor uses computer vision and complex AI algorithm to track footfall accurately. One of our key features is staff identification.

A person is identified as a staff if s/he is wearing a staff name tag, as shown below.

As an AI Engineer, you have a **few hundred of video samples** from our 3D sensor. Here, you are given 1 sample ("sample.mp4") which is the view from our 3D sensor. Within the clip, there is a person wearing the tag and walking along the corridor. Below are 2 snapshot instances of the person, all other people are **not** wearing the tag:

Tasks:

1. Identify which frames in the clip have the staff present?
2. [Bonus] Locate the staff xy coordinates when present in the clip.

Instructions:

- Be creative! Make assumptions when needed
- Free to use any tool, programming language, model to complete the task
- Use illustration or visualization aids when possible
- Submit a 1-2 page documentation on your solution, highlight the key parts
- Submit your code script or repository link, if any
- Be prepared to explain your solution during interview, and run your code on your laptop using another test video on the spot