ABOUT CLIENT

PYP (PickYourPic) based in Bengaluru, India, is a well-known image tagging portal by DG Images. It owns an AI-based software solution that caters to the image tagging needs of a Marathon Event. The PYP tags runner/biker images based on a visible bib number and makes it easier for the runner/biker to see his/her pictures during the race.

THE CHALLENGE

To identify and tag the participants from the images taken during the event, automatically with minimal manual intervention.

THE REQUIREMENT

The client wanted to accurately create a personalized online image gallery where every image will be sorted according to individual participants. The participants can download their or their friends' image from the online gallery by entering their corresponding unique bib number.

THE SOLUTION

IoT Solutionz came up with a solution that satisfies the clients need in the following steps –

1. We developed an 'Optical Character Recognition (OCR) Model' with the help of deep learning (we used Keras and Tensorflow) that correctly identifies the bib numbers present in the images.

2. Our application analyzes each image with the help of the model and tags the image based on the bib number(s) found.

3. Based on users search all the images of same bib number tag are fetched and shown in the online gallery.