Farm to Plate with AI: How Robot and Computer Vision can Serve Fresher Mangos and Curb Waste

GHC 2023 Level Up Labs Proposal Images

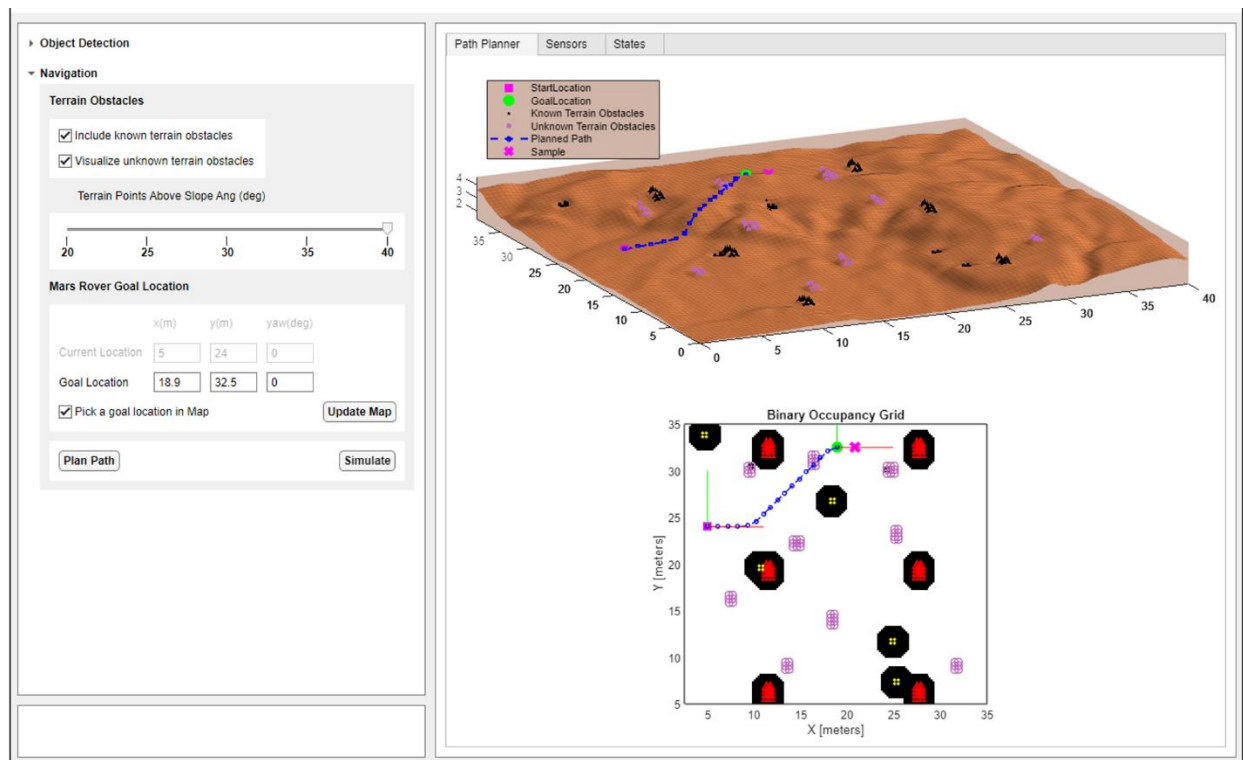Figure 1. Lifecycle of (mango) fruit from orchard to market

Figure 2. Snapshot of the app to simulate motion of agriculture robot.
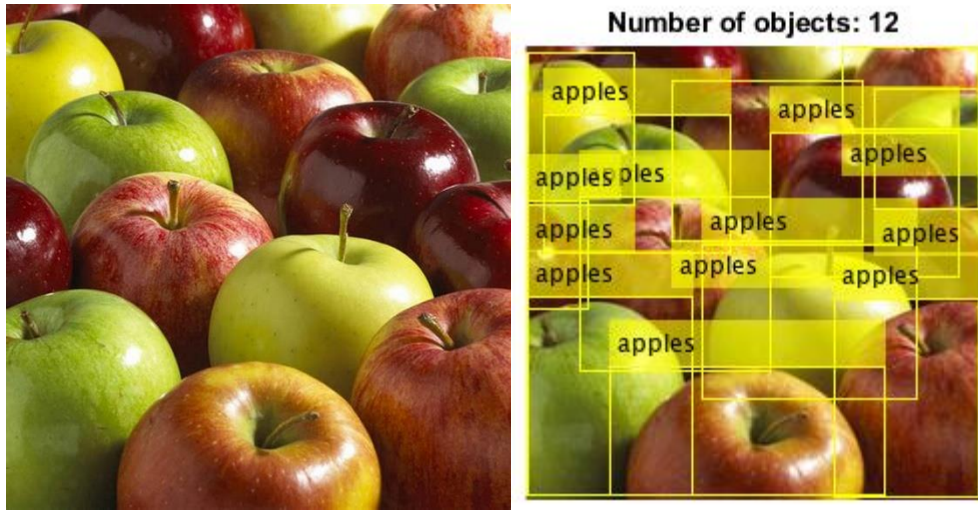
Figure 3. Example image to count number of apples using YOLO v3 deep learning network
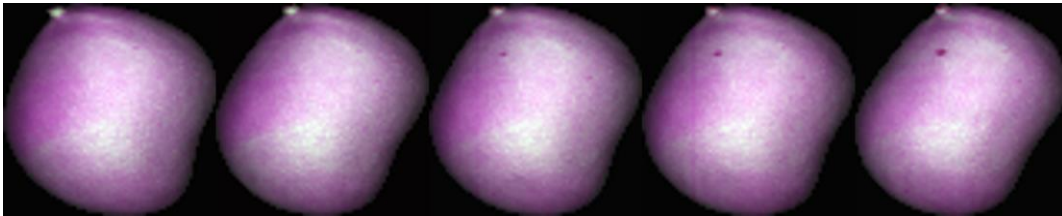

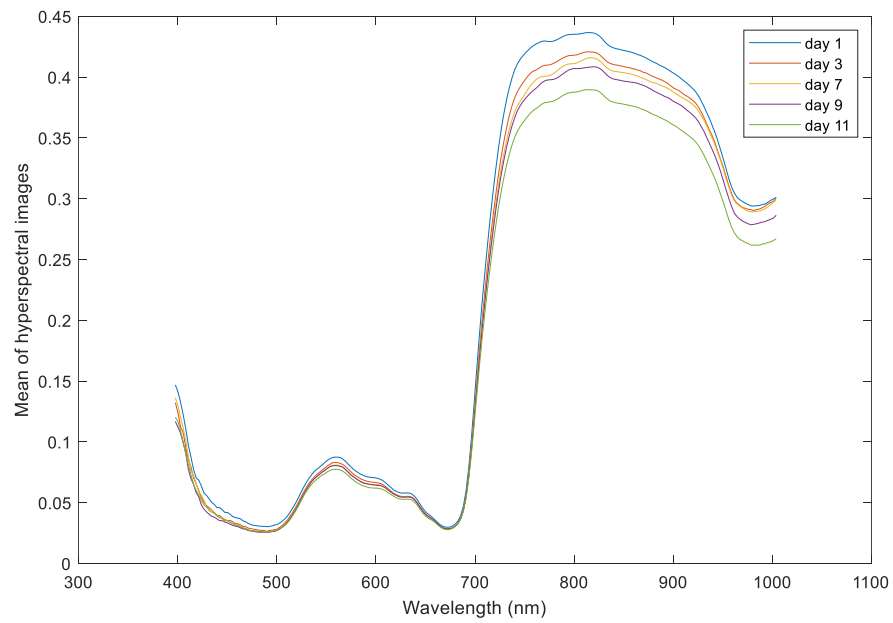Figure 4. Hyperspectral images of a mango on days 1, 3, 7, 9, and 11

Figure 5. Mean of hyperspectral images of mango for days 1, 3, 7, 9 and 11