

Project Objectives:

- To be able to establish connectivity between the Hyperspectral imager and PC and operate the Imager.
- Record data set of ripen and rotten fruits using the Hyperspectral imager and export images into spectral Python package for analysis.
- Plot per-pixel spectra of the recorded images from the Hyperspectral Imager.
- Perform an evaluation of Imager system on whether the amount or colour of ambient lighting have a significant effect on the captured wavelength and set guidelines for how the imager is best used for data capture.
- Analyse and identify ripen and rotten fruits from the prerecorded data sets using Spectral python.