**Project Proposal**

**Background:**

One of the major problems in Manning Market is the waste of extra productivity of the harvest.

**Solution:**

Develop an application focusing the following proposed solutions.

1.Predict and provide the amount of harvest required by the market in a specific time frame.

2.The system can identify the quality of products by using images and provide the results for the users.

3. According to the given results, the buyers can bid for the products and the farmers can sell them to the highest bidder.

**Technologies:**

Machine Learning

Image Processing

**Components:**

1. Predict the supply and demand.

By taking the data from the Manning market, we are going to predict the supply and demand at a relevant time. required harvest for a month.

1. Predict the quality of the product and recommend a price.

When a farmer takes a picture of their harvest and uploads it into the system, the system will process the image according to a standard quality and will recommend a price.

1. Predict the market price.

Taking old records and predicting the future market price

1. Predict the time duration due to storage conditions.

Taking the storage conditions such as storage temperature and area into account, we predict the time duration that products have to be sold.

**Team Members:**

Yashodara P.H.E -IT19952062

Ranepura R.S- IT19951522

Bhashitha W.P.K.K -IT19960500

Thilakarathne M.H.K.T.S - IT19972244