

# PROBLEM STATEMENT

The main purpose of the project is to build a model which is used for classifying the fruit depends on the different characteristics like colour, shape, texture etc. Here the user can capture the images of different fruits and then the image will be sent the trained model. The model analyses the image and detect the nutrition based on the fruits like (Sugar, Fibre, Protein, Calories, etc.).It classify an object with higher degree of accuracy by fine tuning the parameters of the network. The main motto is to reduce the training time and compute complexity of the network by adding a sub layer after each convolution layer.