# AI BASED NUTRITION ANALYSER FOR FITNESS ENTHUSIASTICS

## IDEATION:

This app uses AI and image classification technology to identify the fruits correctly and accurately and also calculated the amount the calories just from the picture. Their proprietary AI  has been trained to fruit identification. Further, by connecting the diverse data sets, the food which is automatically recognised by the platform is paired with detailed nutrition information.The project is for classifying the fruit depends on the different characteristics like colour, shape, texture etc.The images of many fruits are taken and then the image is trained using model. The model analyses The image is analysed and nutrition of that particular fruit is known.We can know the carbohydrates,fat,potassium,Sugar, Fibre, Protein, Calories,sodium  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.