# Assignment 06

# Artificial Neural Network

Bob has started his own mobile company. He wants to give tough fight to big companies like Apple, Samsung etc. He does not know how to estimate price of mobiles his company creates. In this competitive mobile phone market, you cannot simply assume things. To solve this problem, he collects sales data of mobile phones of various companies. Bob wants to find out some relation between features of a mobile phone (eg:- RAM, Internal Memory etc) and its selling price. But he is not so good at Machine Learning. Create an artificial neural network-based classifier to help Bob. Data and class labels are available in mobile_price_classification.csv file. Use price_range column as label and remaining columns as data.

Also do the hyperparmeter tuning.

**Dataset : Click here**

**Please note the following:**

● Give headings to each step you are doing.

● Do the case study in Python.

● Create a repository in GitHub account as "Public".

● Upload the notebook file (. ipynb) to the repository.

● Please make sure that you are uploading the notebook file including the outputs as well.

● Share the link of this notebook from GitHub in the online text editor provided in

Paatshala.