**Mobile Price Classification**

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. So he needs your help to solve this problem.

In this problem you do not have to predict actual price but a price range indicating how high the price is

**battery\_power** : Total energy a battery can store in one time measured in mAh

**blue :** Has bluetooth or not

**clock\_speed** : speed at which microprocessor executes instructions

**dual\_sim :**  Has dual sim support or not

**fc :**  Front Camera mega pixels

**four\_g :**  Has 4G or not

**int\_memory :** Internal Memory in Gigabytes

**m\_dep :** Mobile Depth in cm

**mobile\_wt :**  Weight of mobile phone

int\_memory : Internal Memory in Gigabytes

n\_cores : Number of cores of processor

pc : Primary Camera mega pixels

px\_height : Pixel Resolution Height

px\_width : Pixel Resolution Width

ram : Random Access Memory in Mega Bytes

sc\_h : Screen Height of mobile in cm

sc\_w : Screen Width of mobile in cm

talk\_time : longest time that a single battery charge will last when you are

three\_g : Has 3G or not

touch\_scree : Has touch screen or not

wifi : Has wifi or not

price\_range : This is the target variable with value of 0(low cost), 1(medium cost), 2(high cost) and 3(very high cost).