A Capstone Project Submission Summary

Instructions:

i) Please fill in all the required information.

ii) Avoid grammatical errors.

Team Member's Name, Email and Contribution:
AKASH GAWANDE **gawandeakash555@gmail.com** **Mobile Price Range Prediction**
Please paste the GitHub Repo link. **https://github.com/gawandeakash/Mobile_Price_Range_Prediction.git**
Please write a short summary of your Capstone project and its components. Describe the problem statement, your approaches and your conclusions. (200-400 words)

BIKE SHARING DEMAND PRIDICTION_:-

A. We Started with Data understanding, data wrangling, basic EDA where we
B. found the relationships, trends between price range and other independent
C. variables.

D. We selected the best features for predictive modeling by using K best feature
E. selection method using Chi square statistic.

F. Implemented various classification algorithms, out of which the SVM(Support
G. vector machine) algorithm gave the best performance after hyper-parameter tuning
H. with 98.3% train accuracy and 97 % test accuracy.

I. XG boost is the second best good model which gave good performance after
J. hyper-parameter tuning with 100% train accuracy and 92.25% test accuracy score.

K. KNN gave very worst model performance.

L. We checked for the feature importance's of each model. RAM, Battery Power,Px_height and px_width contributed the most while predicting the price range.