Project Proposal

1. **Project Id and title**
   a. Id:- 33
   b. Title:- Restaurant rating prediction using yelp dataset and extending it to zomato.
2. **Github link**
   a. Github
3. **Team Members**
   a. Varun Gupta   (2018201003)
   b. Vatsal Soni   (2018201005)
   c. Darshan Kansagara   (2018201033)
   d. Dhawal Jain   (2018201065)
4. **Main goal(s) of the project**
   a. Predict the rating of the restaurant.
5. **Problem definition (What is the problem? How things will be done ?)**
   a. Problem:- Predict the rating of restaurant.
   b. Possible approach
      i. Data collection through web-scraping.
      ii. Preprocessing the Data.
      iii. Choose appropriate model.
      iv. Selecting the appropriate dataset through cross validation.
      v. Finally train on the dataset that has given minimum error in cross validation.
      vi. Test the model.
      vii. Predict the rating.
6. **Results of the project (What will be done? What is the expected final result ?)**
   a. ML model to predict restaurant rating with similar analysis on dataset collected from zomato app.
7. **Team members and tasks for each member (What will each team member do?)**
   a. Varun Gupta:- Data Collection (Web Scraping from Zomato).
   b. Vatsal Soni:- Data Extraction and Preprocessing.
   c. Darshan Kansagara:- Selection of appropriate model.
   d. Dhawal Jain:- Train and cross validate final model and final testing.
8. **What are the project milestones and expected timeline ?**
   a. Data collection and preprocess the data before march end.
   b. Version-1 till mid april.
   c. Testing the model on unknown dataset and further improving the model if required till 20th april.
   d. Make presentation and report for the same before 30th april.