

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. Darshan Kansagara:- Data Collection (Web Scraping from Zomato Website) and feature extraction.
- b. Vatsal Soni:- Data Pre-processing and selection of appropriate model.
- c. Varun Gupta:- Designing and Training of model.
- d. Dhawal Jain:- Cross-validation of the model and testing against unseen data.

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.