



Capstone **Project**

MESS MANAGEMENT SYSTEM

Problem Statement



- We have come across many papers and entrepreneurs coming with solutions to tackle the mess problems for hostellers.
- Even though they have overcome great problems like Billing System , Groceries management , Stock Calculations, etc. We have understood that they have not much concentrated on the Feedback sector.
- The main drawback we have understood is there is no efficient feedback management. Some applications we came across through certain papers are added in references.
- We have observed that they are just concentrating on collecting the feedback and not acting upon it. Hence we decided to solve this by using Machine Learning approach.

Problem Approach

- Our Project aims to benefit both the students at our university as well as the catering provider.
- With our Feedback application, we will be doing sentiment analysis on the feedback provided by the students, and we will be able to compare and give a detailed survey analysis dashboard which can be accessed by anyone .
- This would maintain a check on hygiene and student satisfaction levels along with building healthy competition between the vendors which would motivate them to provide better food.
- This system will focus on enhancing the GUI and become a One Stop for all the mess updates to the students and give them amazing hostel experience.



Our Prototype

Sentiment Analysis

Analyze Text

Analyze CSV

Upload file

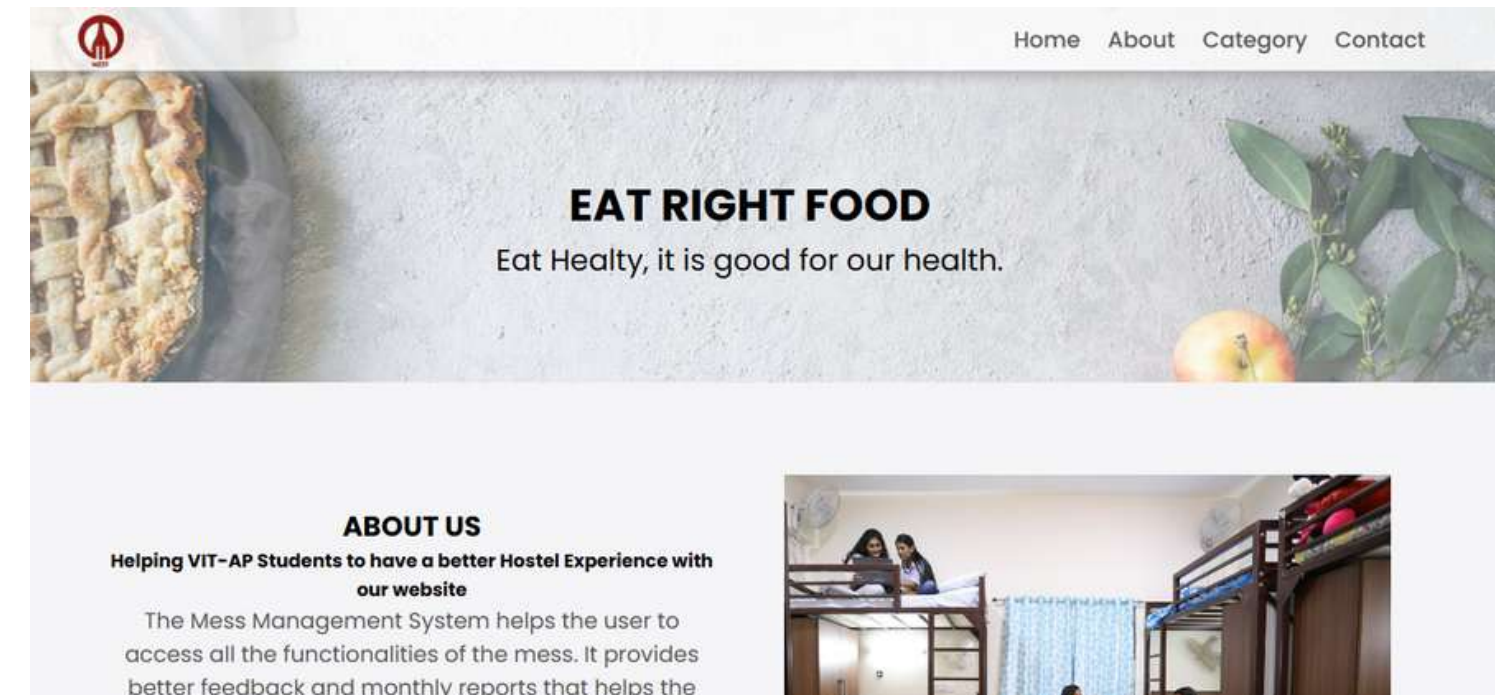
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Limit 200MB per file

Browse files

ABRR.xlsx 32.9KB

	tweets	score	analysis
0	Chapatis should be soft	0.1000	Neutral
1	Better food.	0.5000	Positive
2	quality is degraded	0.0000	Neutral

Admin side of our model helps the catering services to check the feedback of the students and also helps them analyse their service with the dashboards provided.



Student side of our model helps the students to get mess updates, check the reports and also they can give their valuable feedback. We are One Stop for student's mess problems.

Data Analytics and Machine Learning

03

With the help of sentimental analysis , we can analyse the feedback collected by students and help the catering service for more healthy and better services.

04

We are also providing a healthy competition between the catering services through data analytics we visualizing and providing dashboards that can help the catering services understand and tackle the problems accordingly.

Sentiment Analysis

Analyze Text

Analyze CSV

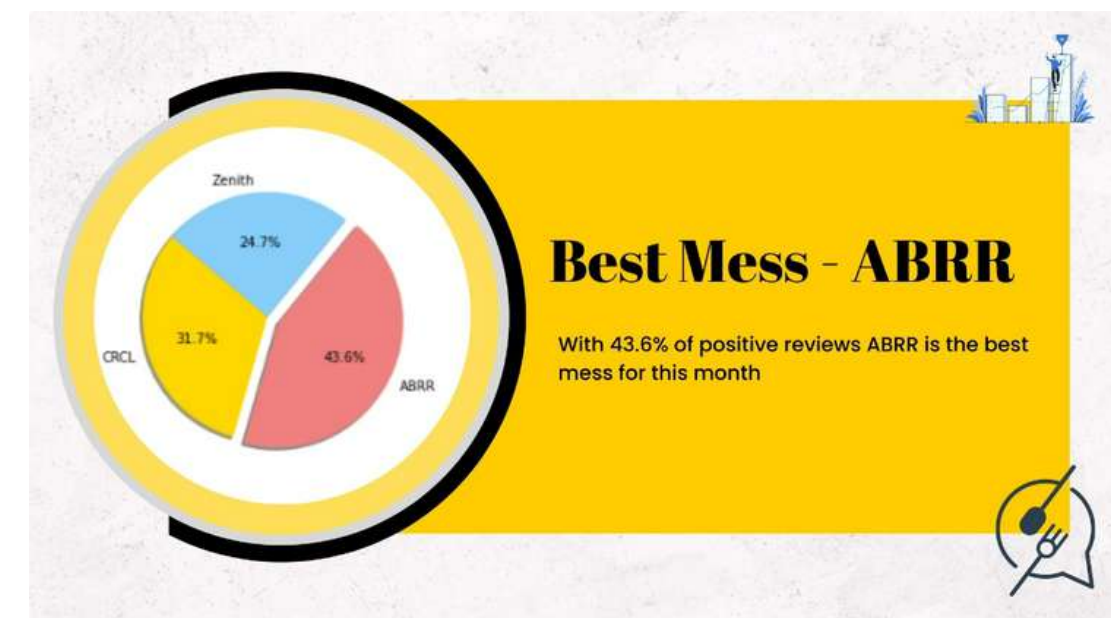
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Web Development

01

The can give their valuable feedback using the website(which is database for our ML Model).

Mess Feedback

All the hostel students need to submit their rating on the service and quality aspects of their respective caterers. This helps us in getting better results and monitoring. So all the hostel students check out our feedback and fill the form and let us know incase you have anymore suggestions

GIVE FEEDBACK

02

They can check out our Monthly Dashboards which are included in the website.



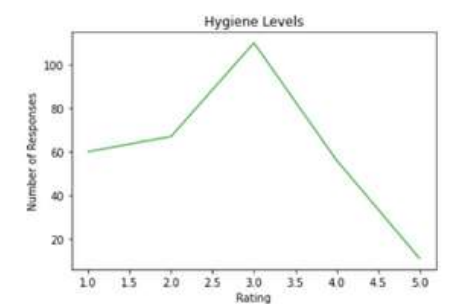
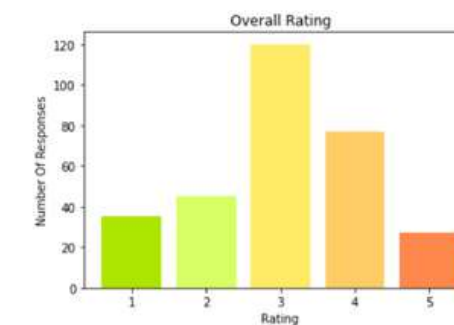
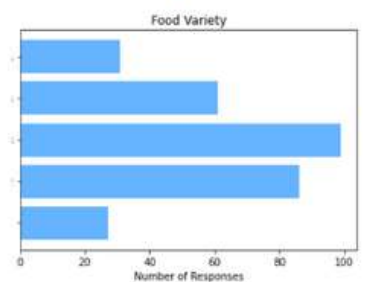
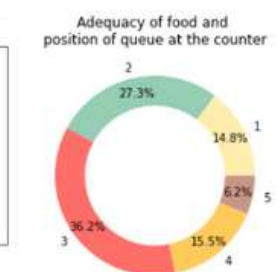
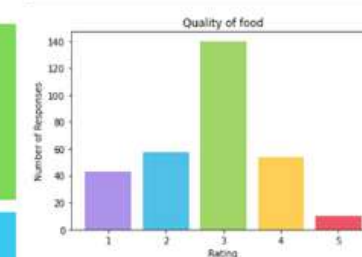
CRCL MESS FEEDBACK DASHBOARD



29%
of feedback reviews
are Positive

59%
of feedback reviews
are Neutral

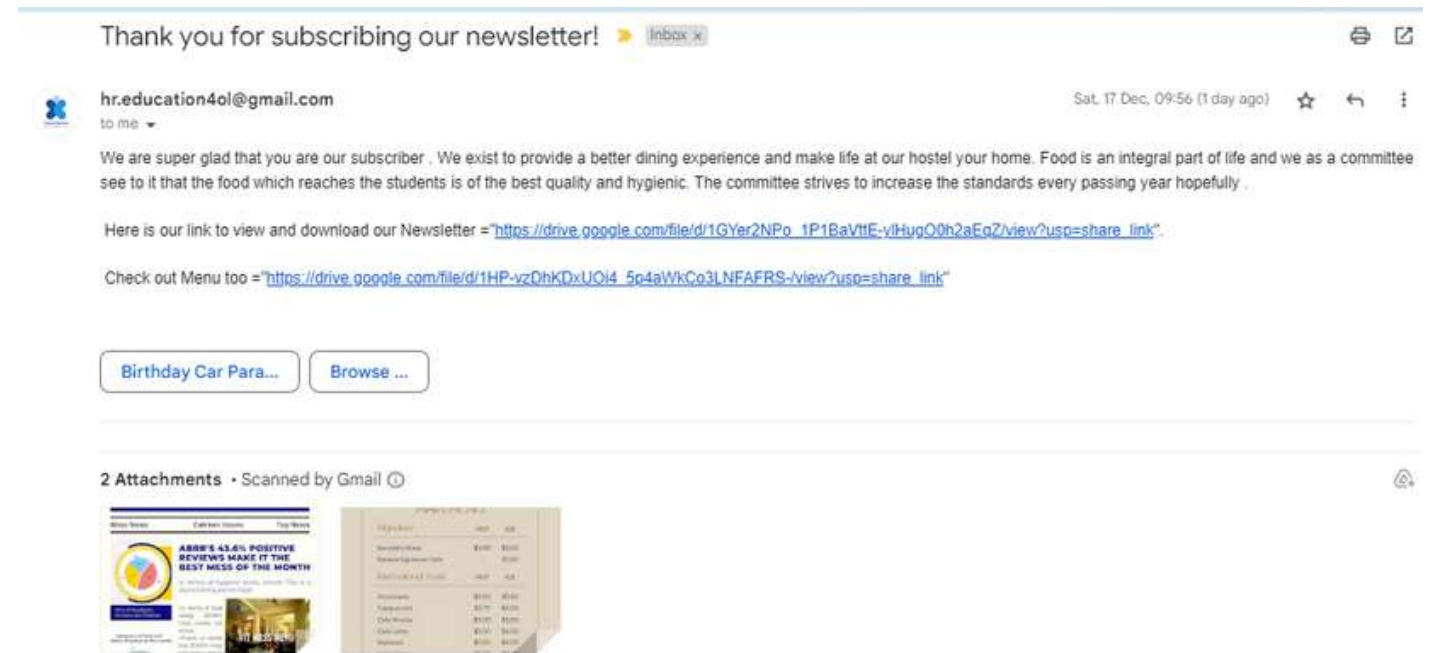
12%
of feedback reviews
are Negative



Web Development

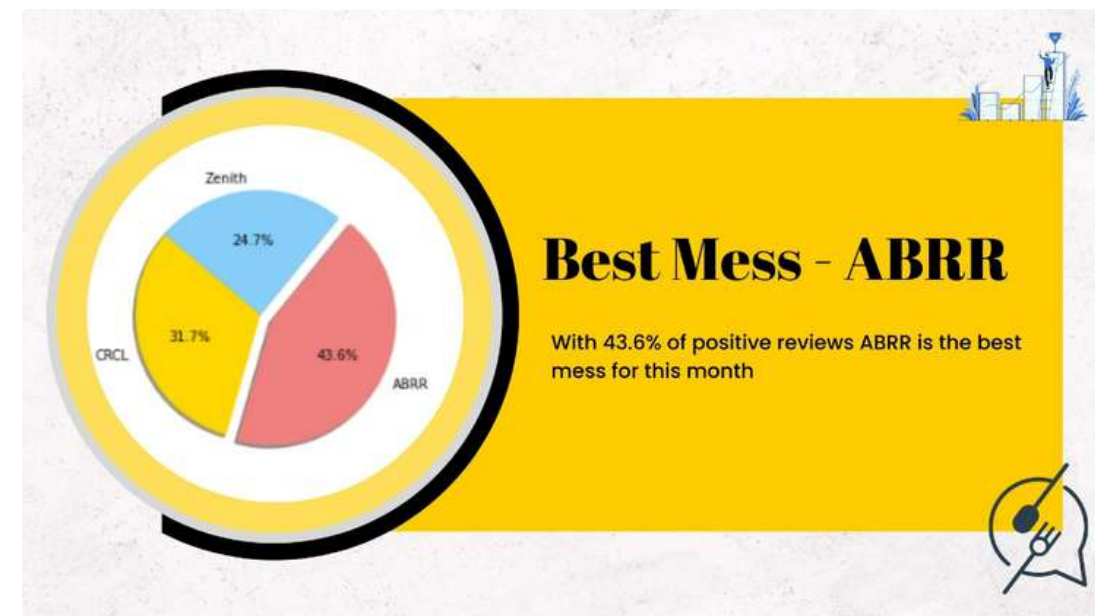
03

They will also be getting the monthly Newsletter and menu updates as they subscribe to our website via Email



04

We are also providing a healthy competition between the catering services.





STUDIO SHODWE



Future Scope Of our Project

We will be improving our machine learning techniques and inculcate more accurate classification techniques which can be accurate and useful in detecting the feedback of our reviews.

We will also be improving our GUI and make it more convenient for our users and connect it to our vtop Database so it will be more easy for the students to check out.



STUDIO SHODWE

Thank You

SLIDE PRESENTATIONS DESIGN