Mobile app for location-based offers

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ABSTRACT

Nowadays, online food is getting so much heat up in the market. So, physical restaurants are having trouble at the start, but they handle it via online platforms too like Swiggy and Zomato. But, what about their offers? Like if they give offers of 10 % but a third-party app like Swiigy or Zomato will give it less because of their commission charges. So, it's best that they directly went to the users of their offers. So, this app of ours will inform users directly about their offers.

Keywords - *App, offers, Restaurants*

1. INTRODUCTION

Our app helps both restaurant owners and their users. It fetches all information from restaurant owners about their offers and all and then stores them in our database. After that, the user, a normal app user, comes to his/her desired location, then he/she will get a notification about the offers about his/her restaurants that are situated at their location.

Our app is not only helpful for users to get their favorite restaurant's offers but also for the restaurant's users to add their offers and get a history. From that, they will get to know how and which kind of users will usually or more frequently come to their restaurants.

People will find it an interesting and as well as more useful application. Because of all the offers going on due to Corona too. An online application like this will boost in times like this and also shortly. Pandemic realizes our team this problem and also we look out
on this problem even deeply and also done the full Research in this field.

2. METHODOLOGY

Our application works in 4 steps -
a) User Authentication.
b) Permission for Location.
c) GPS Location.
d) Offer Details Notification.

The Software that we used is Android Studio, Mysql Yog, and Spider. We have implemented the entire working of our application through Android Studio. Mysql Yog is used for the entire database part and Spider is for Python file manipulations.

We have also implemented the feature of people tracking by using cameras. Through our research, we have come to know that users are seen in the crowd or number of people gathered in restaurants in this pandemic period. So, we implemented this feature and via this, it will also give users the number of people present in the restaurant.

The main purpose of this project is to get the best offers nearby and restaurants owners to increase sales. Main scope is to reach the customers faster and get them the best offers.

Due to increasing Competition among the Restaurant the restaurants need to reach more and more customers to promote their offers. Sometimes Restaurants promote their advertisements but it doesn't reach the customers nearby.

3. WORKING
a)   **Registration Page**

b) **GPS**

c) **Offer Details**

d) **Number of People**

4. CONCLUSION

Our application serves to users the best offers of their favorite restaurant in their locality. Location based this feature added with the most used people identification technique that we have built on the basis of pandemic situations. The Number of people who succeed with the research of what we have seen.