

# App dev Challenge

## Description:

- We all want to make an impact to the society, don't we? And, the easiest and best way to make an impact using technology is to develop user friendly apps. Introducing for the first time in Tirutsava, 'App dev Challenge' a coding hackathon to showcase your glittering app development skills on a competitive platform. So, boot up your devices, gear up with your editors and get ready to build some cool apps for some pressing issues.

## Structure:

1. This is an team event.
2. There will be only one round in this event.
3. The participants have to solve any one of the given problem statements.

## Problem statements:

### Transportation Guidance App:

This app should help the visitors to explore the city. The app should give suggestions to the visitor based on the location where he is staying or on the budget he/she have for the trip or on any other factor.

The App should have:

1. A personalised account for each of its users.
2. The App should store the data( like the details of the user, where the visitor has visited and so on ) on a server(like firebase).
3. The App should have a personalised page for the user where it will show him the overall summary of the trip till that point of time.
4. The suggestion page for giving the suggestion to the user.
5. There should be a "about page" for all the details of the app for checking purpose.

### Police report App:

The aim of the app is to create a user friendly platform for people to submit a report to the police.

The App should have:

1. A personalised account for the user.
2. The App should have an **encryption** for sending and receiving files.
3. The App should have a user page where the victim can file the report, it should have feature to attach a video, audio, images to the report and can send it in a pdf format(excluding video).

4. There should be a page (for the admin i.e. the police) which will show the overall status of a number of reports that have been filed, the participants are also advised to add some visualisation in this page.
5. There should be a “about page” for all the details of the app for checking purpose.

### **Smart Traffic Management:**

The app should help in managing the congestion on the roads. The app should use different APIs to collect the real time track of the traffic in different parts of the city and use that to inform the user who are going to the traffic area. There should be an option for the user to inform others for a traffic jams or accidents to the nearby community.

### **App for Women Security:**

The aim of the app is to facilitate the safety of the women.

Requirements from the App:

1. Should have a portal for the women to upload their complain.
2. Should have a community of people where one can share their thoughts or can notify others about the initiative that different people are taking.
3. Should have a page to spread general awareness in the app.
4. Should notify the user when she is in an accident prone area.
5. Should have a page which will show the nearest police stations, hospitals, etc to the user.

### **App for canteen/mess:**

The aim of this app is to provide regular information related to a mess/canteen.

The app should have:

1. A personalised account for each user.
2. A menu page which will display the menu. It should also show the extras which are available on different days (extra food for which you have to separately pay money)
3. Should have Payment and pre booking option in the app for the extras.
4. Option to opt out from meal (user should have access to opt out from the meal 24 hrs before from the meal)
5. An alert message the admin (caterers) with the total number persons for meal on that day in the morning.
6. A feature to alert the user with the unavailability of any food item.
7. A feature to take a monthly feedback.
8. A feature to calculate the total rebate and refund of each user

### **Rules:**

1. The participant can participate from anywhere but they have to give their respective college name.

2. Multiple submissions are not allowed.
3. Plagiarism is strictly prohibited. If found, the participant will be strictly disqualified from the event.
4. Any decision made by the organising committee is final.
5. The prize money would be waived by 50% if a particular number of participants have not turned up for the event.

**Judging Criteria:**

1. Quality of the App-40%
2. Number of features covered by the App-60%

**Prize:**

1. First prize:6000
2. Second prize:4000

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