

GENEREX

Aim

To solve the problems related to biotechnology and healthcare field that the current generation are facing by providing an impactful solution for it by an app.

Task

Teams have to build an android application. The application should be able to provide solutions related to the field of biotechnology and healthcare. The app should have at least 3 features from which 2 should be amongst the following

- Reminder for taking medicine timely
- Finding the blood group
- Platform to connect doctors and patients
- Panic Button.

The features are explained below in detail:

Reminder for taking medicines:

We live in a world which is highly digitalized .Many of us have access to cell phones. In this busy and fast life, we get less concerned about our health. As a result 50% of the people forget to take the medicines timely and suffer from its consequences.

This feature expected from the app should solve this problem. The user should fill the time and medicine name in the app. And the user should receive notifications or alarm ringing at that time to get a reminder that he/she has to take a medicine.

Finding the blood group:

This is one of the serious issues which this generation is facing. Sometimes, in an emergency situation when a patient needs blood of his/her matching blood group, but many times is not able to find a person of that blood group and as a result, has to suffer from serious illness and sometimes death.

The feature expected from the app can help to solve this problem. If a person needs some blood group, he/she has to write in app and a notification will be send to all the persons of the nearby areas who has this app. They can accept the request if they have the same blood group or they know someone with that blood group and can help the patient.

Panic Button:

Sometimes, people face situations when they need help urgently, be it a road accident, sudden illness at home when they are alone etc. and they don't even have time to call someone to explain their situation.

The feature expected from the app will provide a panic button which should be very easy to access. They just have to press it in case of emergency and the app will message the person's relatives and friends about his/her location.

Platform to connect doctors and patients:

Through this feature, patients should be able to find doctors, book appointments, manage their health records, receive notifications for blood donation, health checkups etc. Doctors and patients can register on this app so that patient can approach Doctors according to their location and demands.

The description of the above mentioned feature are just basic guidelines and examples, and need not be done as it is. Participants are free to change the procedure to solve the mentioned problems.

Rules:

1. The teams must adhere to the spirit of healthy competition
2. Organizers reserve the right to disqualify any team indulging in misbehavior or violating any rules
3. In case of any disputes/discrepancies, the organizers decision will be final and binding
4. The organizers reserve the right to change any or all of the above rules as they deem fit
5. Change in rules, if any will be highlighted on the website and notified to the registered teams

Note that at any time, the latest information will be that which is available on the website. The information in the pdf downloaded earlier may not be the latest. However, registered participants will be informed through mail about any such changes.

Judging Criteria :

Participants will be judged on the following things :

1. **Number of feature the app can cover-** One app should cover most of the features so that the user can find all things at one place.
2. **Speed, efficiency and size of app-** A fast functioning app is always appreciated and it depends on how efficiently you code it.
3. **Visual design-** How creative and innovative the design of the app is
4. **User interface and quality of experience-** There should be clarity, simplicity and intuitive feel of how the app works and what next step to take
5. **Including extra feature apart from the above mentioned-** What new problem you cater apart from the 4 problems mentioned and how you present a solution for it.
6. **Innovation and uniqueness-** Does the app cater to a new problem or a new solution to an old problem or a better way to do something more efficiently.
7. **Individual feature of app-** What are all the features the app can do.
8. No. of Android version the app runs on.

Distribution of points for the above criteria :

1. Speed and efficiency- Maximum of 30 points
2. Visual design- Maximum of 30 points
3. User interface - Maximum of 30 points
4. Including extra feature apart from the 4 above mentioned- Maximum 40 points per feature
5. For the 4 features mentioned above- Maximum 30 points per feature
6. Innovation and uniqueness of the idea: 50 points

Team Structure :

One can register with a maximum of **4 members** in the team. Ideal team suggestion would be 2 person skilled in app developing and 2 person who have knowledge of the biotechnology and healthcare field and can provide ideas for app and solutions for current problems to incorporate in the app.

Eligibility :

All students with a valid identity card of their respective educational institutes are eligible to participate in the event.

Certificate Policy :

1. Top 3 teams will be awarded certificate of excellence. This will be judged combinedly on basis of ideation and making the app.
2. Top 2 teams will be awarded certificate of excellence solely on the basis for presenting the best idea.
3. Top 2 teams will be awarded certificate of excellence solely on the basis for making the best application.
4. Teams who disqualify the above criteria are not eligible for any certificate.

Timeline

1. Last date of Registration : 31st Oct 2016
2. Abstract Submission : 31st Oct 2016
3. Shortlisting and final result declaration: 21st Nov
4. Final submission: 5th dec

Structure:

1. All teams are supposed to submit the abstract by **31st Oct**. All teams have to mail the abstract at **generex@techfest.org**.
2. **Top teams will be selected based on the abstract**. Selected teams will be informed through mail and they have to present the final presentation in Techfest for the final judging.

3. Selected teams will be given 4 minutes to present a short presentation followed by the display of the App for 5 minutes.

Project Report Format :

SEND THE .apk FILE OF The APP

Prototype and Final Presentation :

After declaration of the finalists, participants are required to improve upon the prototype/working model of their app. They will also have to make a presentation covering the technical and user friendly aspects of their app in a detailed manner. Teams will have to bring their applications to be judged and showcased at Techfest 2016-17 during 16th to 18th December, 2016. The working prototype/app should be as close as possible to the product that the team intends to present to the end user.