

Team of up to three students are invited to devise and develop mobile applications

APP DEVELOPMENT CONTEST QUESTIONS

Problem Statement 1:

In the past few years, the crime against women has increased to a greater extent and hence women safety has become the prime concern in the country. On this account, we are inviting participants to develop mobile applications that can ensure women safety in case of an emergency and help in saving lives.

Problem Statement 2:

In our society, there are many differently abled people. Some of them are physically handicapped and the others are mentally handicapped. In this or that way, they are deprived of the pleasure of enjoying a normal life. We want you to develop applications which can assist them regarding their daily chores or career plans and make their lives a little better.

Problem statement 3:

College administration is a really huge responsibility. Maintenance and supervision of different administrative structures and updating the information to both students and staff is a tedious job. Let us make it a little easier by developing an app for college administration which would contain basic functionalities like attendance management, display of marks and schedule etc.

Problem Statement 4:

In the modern era, though technology has seen a huge advancement, the average life expectancy of a person is reduced. Let us do our part to increase it. Develop an application which would keep people informed on the go regarding their health. It can be an app which checks a person's personal diet, physical activity or an app which connects to a doctor.

Problem Statement 5:

Smartphones have become a part of our life and it's like the whole world is at our fingertips. Knowledge is now, just a click away. Keeping this in view we are inviting students to develop mobile apps which bring the knowledge sources and knowledge seekers on the same platform. Any application which is informative in its approach is accepted.

Problem statement 6:

Technology is seeing a rapid growth and we are here, inviting you to make applications that use the make use of latest advancements in science and technology, such as IoT, Virtual Reality, Artificial Intelligence, Machine Learning etc.

Problem Statement 7:

Our Prime Minister Narendra Modi, has brought a great initiative that is, *Digital India*. Almost all the sectors are being digitalized and on this note, participants are invited to develop mobile apps which can assist banking and finance sector where all the transactions can be made on the go.

Problem Statement 8:

With the advancement in technology, communication has grown to a greater extent. It is now easier to communicate and connect with people across the world. And social networking has made this much easier. Participants are invited to develop a social networking app which can help people network together.

*Idea, innovation and completeness of the app are given more preference.

Guidelines:

The contest will be carried out in 3 phases:

Phase 1: Students participating must send abstract, UML or case diagram depicting the problem. The students will be segregated for the next phase based on those.

Phase 2: The selected students are required to send screenshots of the application they are developing. The students will be qualified for the next phase in accordance with that. Later they can develop their application and come to the final phase with that. THE ABOVE PHASES ARE CARRIED OUT ONLINE.

Phase 3: The third phase is carried out in the college. Students need to send the apk file of the application, prior to their presentation in the college. They will be notification mail would be sent to the participants regarding that. A presentation has to be made, and presented before the panel members for which they will be evaluated. The contestants would be asked to perform the necessary changes or add some other features to the code as described by the panel members.

The following constraints are followed while evaluation:

1. UI Design – Design of the User Interface and graphic elements.
2. User Experience (UX) – functionality, efficiency, logical structure.
3. Usefulness – providing useful information to users, effectiveness and efficiency.
4. Innovation – Idea and Uniqueness.
5. Societal impact – Feasibility and Target Audience.

Terms and conditions:

- The contestant needs to select any problem from the given problem statements and proceed to the contest. A team can submit solution only to a single statement.
- The abstract submitted must be in pdf format and should be sent to the mail id stepcone.adc@gmail.com.
- Obfuscated or plagiarized source code is not allowed. If a team sends a submission to the Contest, it assures that the code is solely their effort and not created with the assistance of any other professional.
- The results of each round are notified to the contestants through the above mentioned mail.
- The participant is obliged to provide accurate, current and complete information when participating in the competition.
- Any unparliamentarily behavior is strictly prohibited in the contest and the whole will be disqualified if such is noticed.
- Winners are selected exclusively on the basis of overall score obtained from each judge during the evaluation phase. The final results of the contest are completely based on the decision of the committee.
- The final winner needs to submit the source code to the committee.
- The committee reserves the right to cancel or disqualify any team which refuses to comply with these terms to prevent an unfair result.