



Saarang '16

Mobile Operations

Problem Statement

Rules and Regulations:

1. Try to complete as many (sub)questions as possible.
2. Deadline for applications is **23 rd May (Friday)** for android and **June 1(Monday)** for steroids. Interviews will be held for shortlisted candidates.
3. Even if you are not able to solve the PS and still want to be a part of the team, feel free to contact us for any help.
4. There is bonus points for well structured and readable project.
5. Good Luck!

Answer these questions.

(Attach the answers with the problem statement in a pdf document.)

1. What do you think are the pros and cons of the Saarang 2015 website and mobile app?
2. How do you think you can improve the present website and app?
(You can suggest an improvement to an existing feature or suggest a new feature)
3. Mention any work you have done related to WebOps/MobOps/Programming. What are the programming languages / web frameworks you know?
4. If you were asked to make a mobile app for litsoc, what features will it have?
5. Mention your extra skillset by which you can contribute more to WebOps/MobOps team.
(eg. Design, UI/UX knowledge)

Problem Statement

(Your project name should be <Your name>_Saarang_MobOps. Generate an APK file for the project and attach with project.)

1. Write a simple application to display the names of 5 events in Saarang. When the user selects one of them, details such as :
 - Description
 - Day of the event & Time
 - Location of the event in IIT
 - Prize money
 - Coordinator Name - With contact information of that particular event should be displayed.

(Use listview. Each item in the list view must contain 2 textview. One for event name and another for time of the event. You should create only one activity for all the 5 events)

2. The user should be able to call the coordinator of that particular event from within the app by pressing a button.
3. There should be options to add the event as a favourite/remove the event as favourite(if already added) . The initial page should also have an option to look at the favourite events and navigate to them.

Note : Make a clean interface.

Bonus points for :

- To make an interface to send emails to communicate with the coordinator of the event.
- Open Google maps with the location of the place where the event is occurring.
- Option to add the time and day of the event to Calendar by clicking on a button.
- Alarm before set time for favourite events.

Hints, Notes, Guides :

- If you are unable to solve a complete part or subpart, submitting your incomplete code will also be used to measure your capabilities.
- Remember : We want to know that you can code well, not that you can complete the Problem Statement
- If two solution are found the same, both will be disqualified
- Help Links :
 - To [install](#) Android SDK and related tools for debugging and programming.
 - [Getting started with Android](#) – Reading this will give you a huge advantage.
 - Some other good tutorials : [New Boston](#), [Udacity.com](#)

For doubts, queries and casual conversations, please contact

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