Email address:

iit madras presents

SHAASTRA2018

THE SPIRIT OF ENGINEERING

COORDINATOR APPLICATION

Department: _____

Name & Roll No.: _____

Hostel & Room No.: _____

Phone No.: _____

Email address: _____

SHAASTRA 2018 COORDINATOR APPLICATION
WEBOPS
MOBILE APP

INSTRUCTIONS:

- The entire application **should not exceed 10 pages.**
- Try to solve as many questions as possible. There are points for partial solutions.
- **Hints/Guide:** To install Android SDK and related tools for debugging and programming. Some useful resources [1][2].
- Deadline for submission: **11.55 pm, 16.04.2017**

Current Cores:

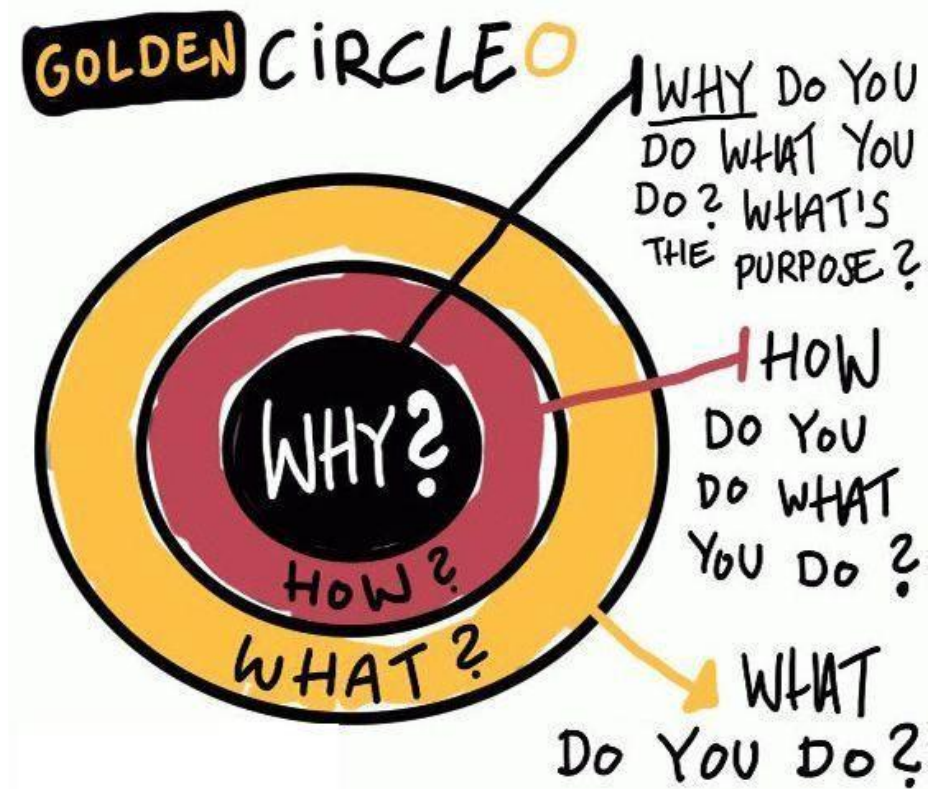|		
Vikranth	vikranth@shaastra.org	9940112789
Gokulan	kulan@shaastra.org	9487886575

Previous Year Team:

Minu Aswanth	9976448668
Mohith Kumar	9003120598
Adarsh B	9677023897
Keerthana	9551127841

- **Part A is mandatory for all aspiring coordinators. Part B is a bonus. Super-coordinator applicants have to address both parts.**

- Your very own Shaastra journey has begun. Please make sure you have fun along the way. All the best.

- The code needs to be submitted only through Github and the link needs to be provided in the app. And **include** the (.apk) file generated in the Github

Repository.

- Feel free to contact the cores for any queries.

- **Do attach a copy of your grade card. Workflow screenshots are also acceptable.**

The key to any successful undertaking is to understand the Golden circle. Please answer all questions below, after giving this a thought.

Do write in your own words about this in the context of Shaastra.

PART A: BEGINNER

(Mandatory questions for **all**applicants)

1) What are the drawbacks of Shaastra 2017 Mobile App? It could be on any aspect - UI/UX or performance or page design, etc.

2) What are the new features you want to implement in the app?

3) Your credentials and references, if any?

4) Create a Cricket Score App with the following features.

- The Home page displays the list of current matches happening.
- Clicking on a match displays the details of the match.

5) Develop your own interface for displaying the events of shaastra using hierarchy. For example, hackathon should be displayed only after I click on Coding events. Make the interface clean and neat. When the user selects one of them, details are shown 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. (With "Call the Coordinator" feature clicking on which it calls the coordinator over phone)

PART B: INTERMEDIATE

(Mandatory questions for Super-coordinatorapplicants; **Bonus for coordinator**
applicants)

1) What would be the role of Super-Coordinator in the team? Provide the tasks to be done. Suggest a rough timeline for the same.

2) Make an app to schedule your Shaastra. The user should be able to choose events which he is going to attend during a particular time. The app automatically gives a push notification to the user 10 minutes prior to the event.

3) Add a Map activity to Question-5 of Part A to display the location of the event in the Map.

4) **Caching data from Internet:** If internet is available and it is already present in cache, it updates the content. If internet is not available but already cached, it displays the last cached content. Else it asks the user to connect to internet.