

### TECHFEST 2023-24

#### Here Hackathon

#### ROUND 1 PROBLEM STATEMENT :

The participants can choose to work on and submit **ANY ONE** of the following problem statements:

1. **Local Business Discovery App:** Develop a mobile app that utilizes HERE Places API and Mobile SDKs to help users discover local businesses, restaurants, and points of interest. The app should provide user ratings, reviews, and real-time information on business hours and special offers.
2. **Tourism and City Exploration App:** Design a mobile app using HERE Location Services and Mobile SDKs that offers guided tours, historical information, and interactive maps for tourists exploring a city.

#### RESOURCES:

[Platform Sign-up](#)

[Documentation](#)

**Here Data Market Place:**

<https://platform.here.com/marketplace2/consumer/listings?productTypeCodes=data>

<https://platform.here.com/marketplace-2/consumer/listings/hrn:here:marketplace::olp-here:listing:here-routing-api-6>

[Access Management Guide](#)

<https://geojson.org/>

[Geojson tool](#)

[QGIS and plugins](#)

**Map Creator:**

<https://mapcreator.here.com/OpenStreetMap>

<https://data.gov.in/catalog/bhuvan-applications>

<https://nds-association.org/here-navigation-map/>

<https://wiki.openstreetmap.org/wiki/GDF>

## **SUBMISSION GUIDELINES**

To ensure a smooth and standardized submission process for all hackers, please adhere to the following guidelines.

### **Public Repository:**

- Ensure that your project is stored in a public GitHub repository. This will make it accessible for the judging panel to review your code.
- The master or main branch should be the most up-to-date version of your project.
- Please refrain from pushing any code after the deadline as it may lead to disqualification.

### **Code Style:**

Follow the coding style guidelines provided by the programming language you're using. Make sure to include comments that clarify complex parts of your code. Coding style is an important factor in making your code accessible and readable.

- Use a consistent indentation style. For example, if you're using 4 spaces for Python code, stick with it throughout.
- Include meaningful variable and function names.  
Example: `calculate_area()` is more understandable than `func1()`

### **README file**

Include a README.md file with the following:

- Project name
- Description of the project
- Instructions to run the project
- Special considerations, if any

### **Plagiarism Policy**

Any code copied from external sources must be properly attributed in comments. Plagiarized projects will be disqualified.

### **Judging Criteria**

Your project will be judged on the following:

- Novelty and Creativity
- Implementation Quality
- Working Demo

### **[SUBMISSION LINK](#)**

**ROUND 2: FINAL ROUND**

The Problem Statement of the final round will be shared with the winners of Round 1. The selected teams will qualify for an offline hackathon at IIT Bombay during Techfest 2023-24.

**COMPETITION TIMELINE**

Last Date of Registration	<b>6<sup>th</sup> December</b>
Round 1 Submission Deadline	<b>7<sup>th</sup> December</b>
First Round Results Announcement	<b>13<sup>th</sup> December</b>
Final Round at IIT Bombay	<b>28<sup>th</sup> December</b>

**TEAM SPECIFICATIONS**

- A team may consist of a maximum of 4 members.
- Individual Participation is allowed. However, the participant must mandatorily get a Team ID. This Team ID will be used for all further communication
- Students from different educational institutes can form a team.

**ELIGIBILITY**

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

**PRIZE**

The prize money will be awarded to winners via NEFT and will be processed within 30 working days after receiving the prize money from sponsors. Top 10 participants will get a certificate of excellence, and the top 60% participants will get a certificate of participation. Winners have to mail the following information (immediately after the announcement of results) to [akshat@techfest.org](mailto:akshat@techfest.org)

**Format of Mail**

Subject: Competition, Team Id, Position (example- "HackAI, HAI-211003, 1st Position")

**Body of mail**

The body of the mail should contain relevant bank account details of the team leader. The exact details required will be conveyed to the winners as soon as the res