HERE Datathon | Pune
Challenge Exploration Sheet

Challenge name: The general theme for the case to be solved.

Main question: The main question to be answered in a broader scope.

Brainstorming questions: What are the other aspects to be thought of on this topic to develop a unique and effective solution?

Input: Some of the data sources that can be used as an input for the challenge.

Grading Criteria: Set of criteria that will be used by jury to grade the solutions.

Challenge Name /1	Family Connectivity for Emergency
Main Question	How to provide an efficient connectivity between family members living away from each other, in order to check their safety and health status?
Brainstorming Questions	- What are the user groups that can benefit from such application/tool/solution? - What are the key concerns of each user group? - Are the solution requirements different per user group – might elderly members living away and kids studying at a university need different setup of a solution? - Will your solution focus on one specific user group or will it address to everyone? - What about using this application to connect users to emergency services, neighbors and friends as well? - What are the must-have functionalities of your solution to be successful? - Are there any similar applications in the market? If so, how does your solution differentiate than those? - What aspects of personal privacy need to be considered?

Inputs for Solution	- Student Sample Data (SSD) for Pune; built environment with landuse, road network and POIs
	- Developer Portal APIs
	  • Maps (static or interactive basemaps)
	  • Tracking, Positioning
	  • Geofencing
	- HERE XYZ
	And many more you can find!

Grading Criteria	- A Business Case with supporting arguments of the decisions made - Presentation and explanation of the focused problem and solution - Use of SSD and/or Developer Portal - Differentiation than Apple "Find Friends" application

Challenge Name /2	City Life Emergency Platform
Main Question	How to provide a platform that shares live info on life-pausing cases happening in their city, based on data collected from multiple sources including citizens?
Brainstorming Questions	- What are the "life pausing events" in your area? Traffic ingestions, fire, sudden demolition of a building, terror attack? - What kind of information would users like to get in such cases? - Do you and your friends share this news in social media? Can this news be used as input to the platform? - What kind approach to be used for such tool – crowdsourcing, web scrapping etc.? - Who are the other sources to provide information on urban life status? - Should every person who logs an information to the data pool of platform be considered as a trusted source? Or should they get different trust levels? - What kind of parameters can you put in algorithm to define the case as a "hot topic" or "real case"? - What are the must-have functionalities of your solution to be successful? - Are there any similar applications in the market? If so, how does your solution differentiate than those? - What aspects of personal privacy need to be considered?

Inputs for Solution	- Student Sample Data (SSD) for Pune; built environment with landuse, road network and POIs
	- Developer Portal APIs
	  • Weather
	  • Real-time Traffic
	- HERE XYZ

Grading Criteria	- A Business Case with supporting arguments of the decisions made - Presentation and explanation of the focused problem and solution - Use of SSD and/or Developer Portal

Challenge Name /3	Live Portal for Shared Transportation
Main Question	How to collate and share crowd density information of public transportation modes so people can plan their travel to avoid certain densities?
Brainstorming Questions	- What are the public transportation modes you use in your area? - Besides being informed about crowd density, what kind of information would support you to ease your transportation? Estimated arrival time, unexpected cancellation, change of route, availability of seats? - What are sources to provide live feed on these topics? - Should each source be considered as a trusted source, or should they get different trust levels? - What are the must-have functionalities of your solution to be successful? - Are there any similar applications in the market? If so, how does your solution differentiate than those?

Inputs for Solution	- Student Sample Data (SSD) for Pune; built environment with landuse, road network and POIs
	 - Developer Portal APIs
	   • Maps (static or interactive basemaps)
	   • Geocoding
	   • Routing, Transit, Intermodal routing
	   • Real time traffic
	   • Geofencing
	 - HERE XYZ

Grading Criteria	- A Business Case with supporting arguments of the decisions made - Presentation and explanation of the focused problem and solution - Use of SSD and/or Developer Portal