HACKATHON- siNUsoid

(7/9/17 - 8/9/17)

Theme for our Hackathon is **Smart City**

And the Topics would be:

1. VR/AR: In this topic, we would expect teams to develop a solution in this emerging field for better travel and Field tripping as well as architecture industry based solutions and for the starters you can check with the very famous Niantic.

2. Game Development

In this topic, we would expect teams to make Educational games. While many parents and teachers complain about video games, there are some great educational games that can be made, that can help with the learning process. Train in a variety of subjects, using games to make learning fun instead of boring.

3. App Development

We expect teams to make something like Smart Health. Global interface between hospitals and patients, an application which combines the health data with an aadhar card so as to make the health record more portable and secure.

4. Web Development

In this theme, teams can make something like Park smart. Car is the most predominant mode of transport in a city. And finding a parking lot is the most irritating and cumbersome task for a car owner- which generates unnecessary traffic and fuel wastage. The Idea should be like an Efficient Parking management system where a user will be shown parking spots near to his destination. They should make a web application which talks to a web service and fetches dynamically the nearest parking places.

5. FinTech

We expect them to make an open source API for banks which would empowers financial institutions to securely and rapidly enhance their digital offerings using an ecosystem of 3rd party application and services.

6. AI/ML

In this we expect to make something like an online Examination System with one added Artificial Intelligence that is it even checks brief answers manually typed by the student along with option ticking and gives appropriate marks to the user. This is done by comparing the user written answer with the real answer stored in system database.

7. Cloud

We expect them to make like Smart Share. They should develop a portal, a cloud based product that aims to incentivize public citizens to pool in their resources and reduce the

clutter caused by overload of public and private resources (transport, utilities, working and living spaces, maintenance, etc.). We believe that it will help the city authorities optimize the resource allocation among the public, and thus move towards an optimal Smart City concept.

General rules:

1. Team size must be between 1-4.
2. On spot team registration are allowed.
3. You have to share live working demo of your project somewhere on any platform.
4. You have to share the codebase of your project in a zip folder with the judging team.
5. Separate criteria will be made while judging the project under each domains.
6. All the API's and third party code that is used for development of your product must be submitted in a document with links directing to those projects.
7. Plagiarism is not allowed.

What you have to submit:

1. Demo link of your hosted application.
2. Links to all the code and third party API's, datasets you have used.
3. Final report document should be submitted by each participant consisting the following
   a. Write about the objective of your hack. What you had dreamt of and what you have built. Also mention how you plan to improve it beyond the hackathon.
   b. You can put any number of images in a zip file .The image must be JPG or PNG file upto 3MB. For best results, crop to 630x320px or 16:9 ratio.
   c. Upload all your source files in zip, apk, etc formats.Visible only to you, your team-members and judges.

Judging criteria

Your submissions will be evaluated by our panel on the following criteria:

● Importance to the problem - what is the impact of the problem for smart city?
● Project idea - creativity of proposed solution and scope
● Implementation and quality of final product/output - e.g. how well does the product work?
● Technical design and architecture - e.g choice of dataset, features, API

- Visual design and Usability - quality of UX and UI