

VIThack Problem Statements

Healthcare and Crisis Response

(HCR-FLPR-01)

Company Name

Flipr Innovation Labs

Problem Statement

Summary:

Create a website for the COVID-19.

The website will be going to include the following information:

- 1) Contact & Helpline Information
- 2) Notification & Advisory from the government Information.
- 3) Hospital Dashboard
- 4) Comparison of daily sample tests and confirmed cases of the patients.

Full details: [here](#)

(HCR-VICR-01)

Company Name

Vicara

Problem Statement

Create an AI model that can recognize possible deeper issues from simple vital signs or time-series of vital signs.

Full details : [here](#)

Mobility and Automation (MOA-MLAI-01)

Company Name

MoveL.AI Pte Ltd

Problem Statement

To create a voice enabled robot navigation system.

Full details : [here](#)

Relevant Documents present in [here](#)

Fintech

(FNT-LUMS-01)

Company Name

Lumos Labs

Problem Statement

The problem statement to this theme is open-ended. Participants may work on their desired ideas so long as they fall under the Fintech domain. Participants are also encouraged to take up blockchain applications as well.

Full details : [here](#)

CyberSecurity and BlockChain

(CSBC-GLCT-01)

Company Name

Global Cert

Problem Statement

Come up with and design a structure that would have similar or more search efficiency, speed and security than the blockchain structure. Solutions may start with a data structure being discussed and further theoretical/ computational backed proofs being presented.

Full details : [here](#)

Education

(EDU-WUAL-01)

Company Name

Winuall

Problem Statement

1. In today's new normal, it's really impossible to go outside and explore opportunities to visit tutors and learn. There are millions of tutors who are unable to generate more revenue and are unable to utilise their full potential. On the other hand, students also are facing challenges due to not being able to learn from the tutor which would be a best fit for them. Building AI driven platforms (web/mobile) could be a great approach to connect students with relevant sets of tutors. (Please note that tutors are not limited to exam prep tutoring but stands still for vocational courses like music, dance, or coding as well)

2. Millions of students suffer from some of the serious health issues including mental health, anxiety, depression, competitiveness and are unable to communicate about it. The idea is to build tools, or ways that engage with students (in any form - questionnaire, chatbots, video engagement) that predicts and recommends the students/tutors/parents about the same and

build data driven analytics that helps to understand the student's performance/health insights and recommending next steps in most efficient ways to reduce serious health issues

Full details : [here](#)

Open Innovation

(OI-GRAI-01)

Company Name

Gravitas AI

Problem Statement

Task - Multi-conversational Chatbot

Your task is to create a bot that generates a response based on multiple previous utterances, called a dialogue context, as well as user's queries to respond in a relevant and sensible manner. The bot should be able to perform a long form of FAQ and button driven conversation and maintain context. Turnaround time for chatbot response should be under 1 second.

Full details : [here](#)

Dataset : [here](#)

(OI-GLCT-01)

Company Name

Global Cert

Problem Statement

Design a certificate generator that automatically maps the contents of a given certificate, retrieves the data of the certificate holder from a file and writes/prints the details accordingly at their intended location.

Full details : [here](#)

Open Challenges

(OC-AVD-01)

Company Name

Avian Design

Problem Statement

An innovative idea to reduce the carbon footprint using technology that can create an impact on sustainability, and have proven effects on the world. Design a solution(an application or web application) that can help to solve the carbon footprint problem. Make sure to add the touch of new trends and technologies.

Full details : [here](#)

(OC-HMB)

Company Name

HumourBaba

(OC-HMB-01)

Task 1 - Measurement of apparel size using smartphone camera and image processing.

(OC-HMB-02)

Task 2 - Using AR/VR to provide a virtual shopping experience for apparel and contribute towards internet shopping 4.0

Full details : [here](#)

(OC-PYCN-01)

Company Name

PayCrunch

Problem Statement

Man under debt not only loses the peace but also the people. The vicious cycle of debt can be daunting and cause people to be stuck in this for years and sometimes generations. Devise a modern way to pay back these loans when there is a shortage of

cash in hands. Feel free to use your imagination in designing your own process of paying small or minute loans. You're free to use any technical stack that you are comfortable in.

Full details : [here](#)

(OC-AWSE-01)

Company Name

Aws Educate

Problem Statement

Participants should integrate AWS services for their android apps/web apps as the primary cloud service. At the end of the hackathon, the participants should come up with a working demo and should have a proper name for the product.

Full details : [here](#)