Introduction

DreamVu has developed the world's first omni-stereo camera hardware and software platform for unifying human and machine vision. Their technology has a billion fold advantage in capturing and processing visual information in comparison to the current solutions available in the market. With a wide range of applications DreamVu is set to revolutionize the way we capture reality.

Problem

The challenge is to use Computer Vision at Scale. The aim is to think about scaling up computer vision algorithms/applications for mass-market applications including but not limited to agriculture, transportation, retail, mobile services, banking.

Why solve this problem?

Many industries have come up with and are researching upon solutions based on computer vision. Some of the most interesting computer vision use cases are in the following industries:

- Retail and security
- Automotive
- Healthcare
- Agriculture
- Banking

Some interesting examples include the Amazon Go store, Waymo, Gauss Surgical and SlantRange.

Solution Format

Mandatory

The solution should consist of a presentation (either ppt or pdf) which explains the core idea behind your solution.

Optional

We highly recommend that you also submit a prototype code which demonstrates what you plan to do.

Evaluation Criteria

Your solutions will be judged on the following criteria:-

a) Inclusiveness – 30 points
b) Simplicity / Implementation / Applicability – 20 points
c) Originality – 20 points
d) Multidisciplinary – 20 points
e) Clarity in presentation – 10 points

Points To Note

1.) Please make sure that your presentation has a slide which contains your registration number, your name, etc.
2.) As your solutions will be evaluated in your absence, we request you to make your presentation as informative as possible and if possible include a F.A.Q.s section in your presentation.
3.) If you are attaching any sort of prototype code along your presentation make sure that you write what exactly is the code supposed to do and how to execute it.