Introduction

Cyrrup Solutions Pvt Ltd is in the business of safety. We have our initial focus on the telematics sector, specifically in the commercial vehicle, 4-wheeler safety. We intend to reduce the number of accidents happening across Indian roads, by means of installing IoT based devices, with multiple sensors installed on them. The solution is supported by back-end computer algorithms to help analyze driver behavior, and provide actionable insights.

The intended consumers of this solution would belong to the section of vehicle owners, vendors to vehicle owners, insurance companies and banks. The untapped market in this domain is huge and the change in perspective of the consumers to adopt these solutions, is a big boon to the industry at this level. The continuous evolution of new technology and products towards solving this safety concern would be the key to run the industry – and would form a good proportion of our deliverables.

An important stakeholder in the logistics ecosystem of the commercial vehicles are truck drivers. Our ground research and interviews across these segments have made us believe, that in order for our products to succeed, a good amount of focus should be on truck drivers as well. Technology can go only some distance to correct the safety and other problems in the logistics industry. But till the point, that we show some good value to drivers and a way to engage them successfully, we will not achieve our objective.

Future expansions of the company clientele would include more modes of transport in the next 5 years. The software to assist these kind of driver behavioral patterns and the insights to derive revenue, would be one of the key deliverables from the company.

The company is founded by Gaurav and Swadhin – Computer Science alumnus from IIT Guwahati. We are supported by engineers from IIT Guwahati and the sales team comes with good experience in this sector.

Cyrrup is part of Intel PlugIn 2.0 program. It was selected in top 10 for Uber Pitch India and is a part of select NASSCOM10K startups. We are also being mentored by University of Texas, Austin through XLr8AP initiative. We have filed 4 patents and are a DIPP recognised startup from the MCA, Govt of India.

Problem

There is no dedicated platform for truck drivers to interactand discuss basic issues.What basic features to have on this platform, which can motivate the truck drivers to circulate the news about the existence of such a platform with other drivers; and encourage other drivers to join this platform.
Note: Facebook is NOT a dedicated platform.

Why solve this problem?

Truck Drivers face a lot of problems in terms of health issues, delayed payments from truck owners, accident hazards, etc. Just a few of them get the issues resolved and that too partially, but have no means to interact and share their experiences across other truck drivers on a common platform. Many of them do have smartphone though. Sharing the problems on a platform and seeking and sharing solutions, is going to benefit them. Additionally, the presence of such a platform will dissuade repeated offences like delayed payments etc.

Solution Format

Mandatory

The solution should consist of a presentation (either ppt or pdf) which explains the core idea behind your solution and code supporting your idea and showing the working of it.

Evaluation Criteria

Your solutions will be judged on the following criteria:-
a) Code – 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.