

Smart India Hackathon

Problem Statement: Shared usage of workshops and labs by all Educational Institutions at National Level. (Software)

Product/Idea

- What is the problem you are trying to solve?

Ans. Presently each educational Institution has its workshops and labs that are utilized by the students of that specific Institution. In Covid scenario, students are primarily studying in online mode and even if some workshop/ lab based courses are conducted on campus, it's optional for the students to join on campus and due to personal reasons and impact of covid on families, some students study in online mode.

Besides the Covid scenario, this idea would be a boon to all those students who lack facilities of a well equipped lab in their respective institutions.

- How does your idea address the problem?

Ans. To facilitate students to utilize the facilities of Institutions closer to their hometowns, a collective database could be prepared for such facilities. These could be booked by students for specific job works and duration through their Institutions and with prior approvals. This would serve in a way that students get to use the lab facilities not just of their institutions but of other labs near them too.

- Who are the target customers?

Ans. Target customers would be the students, research scholars, people involved in R&D or Doctors in the research field who need access to a well equipped lab.

- What makes your idea unique?

Ans. Apart from the notion of virtual labs, we feel our idea is unique in a way that students get to use the facilities in offline mode which is otherwise impossible without a certain procedure.

Here, they could pay and get to use the desired lab in their preferred location.

- Do you have a revenue generation model? If so please do share.

Ans. Yes, it is a revenue generation model which would primarily focus on pay and use strategy.

- What are the geographies, do you think the idea would be suitable for?

Ans. It would be suitable for all locations within India.

- What are the risks associated with your idea and how can you mitigate it?

Ans. Possible risks would be the maintenance cost of the equipment, which would be then too high because of frequent utilization which would be reconsidered by providing an optimum revenue plan so as to maximize the profit.

Another possible risk could be the requirement of lab assistants and staff during the sessions all the time which could possibly hamper our motive. This risk could be dealt with by providing adequate remuneration to the staff and encourage Universities to appoint more staff to deal with this.

- Who are the stakeholders involved in bringing this idea/product/service to the market?

Ans. State and Central Government, Universities and small institutions .

Intellectual Property Assessment:

- Is your idea patentable or patented?

Ans. Yes, the idea is patentable. Our project is potentially groundbreaking and commercially successful. Composition, improvements, and unique designs

- Is your idea built on existing work? If so, how is it different?

Ans. No, our idea is completely different from any of the existing works. Although, as mentioned earlier, it may seem to have some similarities with the virtual labs, the fact that this would be applicable in offline mode makes it different.

Prototype/ Proof of Concept

- What is the nature of the prototype/ proof of concept you would be able to submit?

(Ex: Github repository, Hardware prototype)

-Github repository

- Have you completed pilot tests for your prototype/POC? If so please share.

-No

- What is the approximate cost of developing the prototype?
-1000-2000 INR

Supporting details:

- What regulatory requirements have to be met to bring the idea to life?
 - The idea could be implemented through a web based portal.
 - Each institute willing to share their labs should register themselves on the portal
 - Each Institution must specify financial charges for providing lab facilities.
 - The charges for the lab must be paid by the parent Institutions or students themselves depending on the scenario whether for the specific job work, parent Institution had to provide the facility to the student or not.
 - Payment terms for a Security Amount and the charges for usage should be specified by each Institution.
 - There should be proper coordination between the institutions providing lab facilities and the parent institution.
 - // -Web based portal should be very effective, less time consuming,user friendly.
- Do you have a business plan/ commercialization strategy? If so please share.
 - Pay per Use
 - Subscription model
 - ◆ Institution based subscription.
 - ◆ Individual based subscription.
 - Advertisement based revenue
 - Partnering with product based government agencies.
- What is a rough estimate of manufacturing/operational costs?
 - Server setup/maintenance costs.
 - Payment of salaries of the employees.
 - Marketing
- What is the volume of products/ amount of revenue you expect to make in the first year?
 - Cumulative revenue from different strategies/revenue models.

Team: Ctrl C Ctrl V