

INSTITUTION'S INNOVATION COUNCIL MOE'S INNOVATION CELL

Institute Name:

UNIVERSITY INSTITUTE OF ENGG AND TECHNOLOGY

Title of the Innovation/Prototype:

EVRCs

Team Lead Name:

GAJENDER YADAV

Team Lead Email:

02.y.gajender@gmail.com

Team Lead Phone:

9466659452

Team Lead

Gender:

Male

Website (if any):

evrcs.com

Startup/Venture Registered as:

Not Yet Registered as an entity

Does your Startup/Venture Recognized by DPIIT, Startup India?:

No

Name a Key Innovation which is Core to the Startup /Venture:

Live Rush Feeding with Location and Mobility Charging Facility

Year of Started Receiving Pre-

incubation/IncubationSupport for the Development

of Innovation-Startup from the Institute (FY):

2022-23

The Key Innovation which is Core to your

Startup /Venture was Developed as:

Independent Assignment/Non-academic

Study Project

Choose the Type of Innovation:

Service,Business/Management Innovation

TRL LEVEL:

4

The Sector/Domain of Focus of the Innovation/Startup / Venture:

Smart Vehicles/ Electric vehicle/ Electric vehicle motor and battery technology.,IoT based technologies (e.g. Security & Surveillance systems etc),Software - Mobile App Development,Software - Web App Development,Smart Cities,

Define the problem and its relevance to today's market / society / industry need:

As Finding a EV charging stations is very hectic, since there are few Charging stations at present and it comes much more difficult to find a ev Charging station in a remote location.SO just to overcome this problem we are to develop a sharing charging model to solve the location problem with live rush feed at that time and Availability of ev mobility vehicles at the remote locations. There are several options present in the market to track all charging station but there is no one to track it out.

Describe the Solution / Proposed / Developed:

Explain the uniqueness and distinctive features of the (product / process / service) solution:

How your proposed / developed (product / process / service) solution is different from similar kind of product by the competitors if any:

Is there any IP or Patentable Component associated with the Solution?:

No

Did the venture/startup receive any innovation grant from the Institute?

No

Did the venture/startup receive any innovation grant from any external sources, so far?

No

Did the venture/startup raise any Angel/Venture Capital Investment so far?

No

Are there any recognitions/awards received by the venture/startup for the innovation in National/International Competitions?:

No

Upload the Audited copy of the financial Statement clearly indicating the FY and Annual turnover amount of Rs. 50 Lakhs or above:

No

Define the Problem – Solution fit achieved/to be achieved by the Startup: Briefly explain the relevance of the innovative solutions are being offered by the startup and what/whose problem (Industry/Society/Market) these are solving:

As Finding a EV charging stations is very hectic, since there are few Charging stations at present and it comes much more difficult to find a ev Charging station in a remote location.SO just to overcome this problem we are to develop a sharing charging model to solve the location problem with live rush feed at that time and Availability of ev mobility vehicles at the remote locations. There are several options present in the market to track all charging station but there is no one to track it out.



Define the Product-Market fit achieved/ to be achieved by the Startup: Briefly explain the readiness levels (Technology Readiness Level and Manufacturing Readiness Level) of innovations/solutions offered by the startup to meet the customer need/requirement.

We are having just a very basic approach to solve this by just using IOT with DevOps based application and a profile website to track the users location and also providing him the ev mobility vehicles at the remote locations.

Detail the potential market size and target customers/segment (Total Available Market -TAM, Serviceable Available Market - SAM, Serviceable Obtainable Market - SOM):

There is an big market opportunity for us to take to next level as there is currently no one to provide this but there are many to provide you the navigation to that particular station and for now there is huge growth in ev sector in India mainly. There are just approx 2.3k ev charging stations in Delhi NCR and by the end of 2024 there is the target to achieve it to 18k by govt.[SOURCE:TIMES OF INDIA].

Detail the Business fit achieved/ to be achieved by the Startup: Briefly explain the business model readiness level of innovations to be commercialized. Business Tractions Achieved for the innovation if any, briefly explain the customer tractions achieved for the innovations or solutions offered by the Startup as an attempt to commercialization:

We are expecting the initial funds to start its developments like IOT Systems in a large scale.As per our acknowledgment from the owners of multiple ev charging stations we are expecting it to start at initial zero profit to achieve it to a next bigger level after that,we are having three models to work on with. 1. We will be charging a particular percentage of charges from the user when he will book a charging slot. 2. Only we will be providing them the complete infrastructure and installing the equipments on the charging station. 3. Charges of the mobile charging.

Highlight any competitive advantages such as Intellectual property (IP) or any Unique Selling Proposition (USP) etc. associate with the product/service/business model/startup:

There is currently nothing that is functioning in this way as per my knowledge, there are several ones who can track you to a nearby charging station but no one to give you live rush feed and mobility charging ideation. There is no IP filled yet also regarding this.

Video URL:

<https://s3.ap-south-1.amazonaws.com/evrcs.com/video/Presentation.mov>

Innovation Photograph:

[View File](#)

Downloaded on: 04-03-2023

This report is electronically generated against Yukti - National Innovation Repository Portal.