1-What is the focus area of your project?

* Clean Energy Technology

2-What is the problem you have identified?

* We have identified the problem that Usual Solar Panel Structures give their best performance for 4-6 hours a day, whereas a Solar Tracker can give its best performance till the time Sunlight is available.

3-Which members of your community have you have engaged to identify the problem and develop a solution?

* The members included are Divanshu, Avish

4-Are there any existing solutions to the problem you have identified? If so then please specify the existing solutions.

* Yes, there are Solar Tracker Structures available in Market, but our aim is also to make them affordable for everyone, that is the reason why we have used an Arduino instead of any other expensive equipment.

5-What make your solution innovative?

* The thing that makes our solution innovative is that we have used an inexpensive brain for the project which is Arduino Uno and some LDR’s with 2 Servos, which is quiet inexpensive.

6-What is the development status of your prototype? What ATL Tools/Technologies have you used in the development?

* We have successfully made a working prototype with 2 High Power Servo’s which are MG995 and a Arduino Uno and 3 LDR’s connected to AnalogPins of Arduino for getting the reading.

7-If you are selected in top 100, what will you further prototype?

* If we are selected in top 100, we will further add a Compass to tell the direction of the tracker, LCD Display to show the current flowing from the Solar Panel and also add code to remain flat whenever the Sunlight is not available.

8-How has ATL helped in your innovation Journey? (Not for Evaluation)

* ATL has helped us in our innovative journey by telling how to use a Arduino and other equipments of robotics