

Auto Shovel: Snow Free Cars

Organization Name: Allstate India Private Limited

Overview:

Cleaning of Cars during winter season on the days of snowfall.

For 16 of the 51 largest US cities, the annual snowfall normally adds up to two feet (60 centimeters) or more. For the cars which are in these states without covered parking, there is always a challenge of cleaning the car after each snow fall. There has not been any permanent solution identified till now.

Current Challenges:

Efficient way of using the technology to bring out a cost-effective solution

Business Requirements:

With the use of disruptive technologies this problem can be addressed as proposed below.

- To come up with heat shields which are operated through IOT for minor snow falls
 - Each car to be coated with a thin layer of heat shields which can be operated through an IOT device. Whenever there is a minor snow fall expected, the car owner can turn on the heat shields (from home, office, public place etc). Using the car battery, the layer of heat shields gets heated to a certain temperature which is not harmful to the car and sufficient to melt the snowflakes.
 - To have flexible additional layer of metallic sheet to address major snow falls
 - Additional layer of flexible metallic sheet can be used in case of heavy snow storms. With this, the car owner should be able to turn the sheet upside down soon after the snowfall. These sheets can be used only during winter/snow fall day depending on the weather report. This sheet should be designed in a way which could be easily installed and operated by all age groups
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