

## INTRODUCTION

# DELHI PUBLIC SCHOOL, PUNE



## Advantages

~Petrol is a fossil fuel and is thus an exhaustible resource .An air-conditioning (a/c) system can increase fuel consumption by up to 20% because of the extra load on the engine. Using solar panels both during day and night will reduce this fuel usage by powering the ac, the music system and various other components which otherwise would consume a lot of energy

~The usage of one solar panel for two purposes increases the efficiency of the car while using a singular panel instead of two separate panels which would be expensive.

“It is only when they go wrong that machines remind you how powerful they are.” In today's times we often forget that solar panels can harness energy from any source of light which emits heat energy. This realization inspired us to come up with the idea of our model.

For our model we have made use of not only the sun's energy but also the energy of the headlights of various vehicles. In the day time the solar panels are facing upwards towards the sun, and during night the panels will be at the rear end of the car to harness the energy from the headlights of the vehicle behind it.