

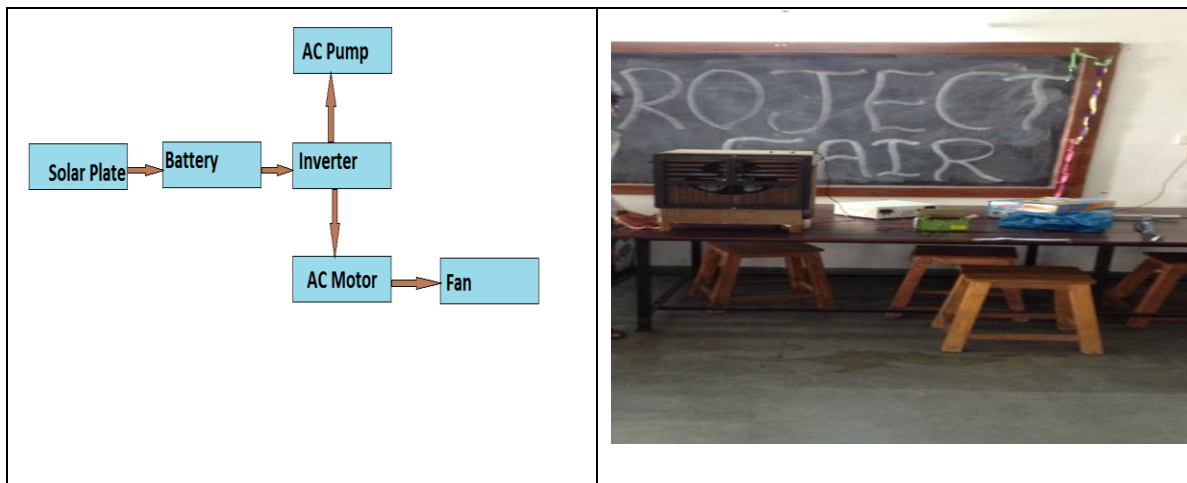
- Name of the project : AIR COOLER USING SLAR ENERGY

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• Working Principle :

- SOLAR Cooler is equipment which uses the principle of evaporating cooling. Evaporative cooling is an air conditioning process that uses the evaporation of liquid water to cool an air stream directly or indirectly. The final temperature of air entering the cooler which causes cooling effect.
- It basically reduces the dry bulb temperature and provides a better environment for human occupancy and from live stock, and is useful to improve products grown or manufactured by controlling DBT&RH. It exchanges sensible heat i.e., and the is decrease evaporation of water A desert cooler works on principle as adiabatic saturation this process take place at constant Basically the dry bulb temperature.



Where it can be used / it's Application:

- To improve the environment for people or process without attempting to control ambient temperature humidity.
- Domestic usage

- **Approximate Cost:** Rs.6000/-

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