



Scienxt Journal of Mechanical Design & Automation
Volume-2 || Issue-1 || Jan-Apr || Year-2024 || pp. 1-9

“Solar-powered refrigeration innovation: compact, compressor-free cooling solution for remote environments”

***¹Pooja Patel**

*¹Assistant professor, Department of Mechanical Engineering, Bhopal Institute of Technology and Science,
Bhojpur Road Bhopal, 462045 M.P. India

**Corresponding Author: Pooja Patel
Email: puja626983@gmail.com*

Abstract:

In Today's world global warming is being increasing year by year. There are many reasons like pollution, deforestation, water contamination, etc. In coming year, this project consists of peltier module, heat sink, charge controller, solar panel battery, micro-controller kit, wooden box etc. in this project peltier module is used where at one gets cooled and another side become hot and rejects heat to the environment with the help of fans for producing cooling effect this means that cooling is done without use of greenhouse gaseous.

Keywords:

Cooling fan, medicine refrigerator, solar plates, peltier etc.