

FABRICATION OF SOLAR POWER PELTIER COOLER

A project report submitted in partial fulfilment of the requirement for the
award of the degree of

BACHELOR OF TECHNOLOGY

IN

MECHANICAL ENGINEERING

SUBMITTED BY

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CERTIFICATE

This is to certify that the project report entitled "FABRICATION OF SOLAR POWER PELTIER COOLER", being submitted by the following students in partial fulfilment for the requirements for the award of bachelor of technology in mechanical engineering to the Jawaharlal Nehru technological university Kakinada, is a record of bonafide work carried out under my guidance and supervision during the academic year 2021-2022. The results embodied in this project report have not been submitted to any other university or institute for the award of any degree or diploma.

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ABSTRACT

There is a need of low cost air cooling system particularly for those people who work in small rooms as well as in power shortage areas. They are feel surrounding environment was very hot. Hence metabolism of the body gets disturbed then maintain the balance within the body temperature. There is a need to design and fabricate the solar power peltier cooling system providing accessibility, achievability, affordability, availability, attainability and assurability with in the restricted scope .In this regard, attempts have been taken to design low cost air cooling system that would run with solar energy. The demand can be increase because of changing in times increase comfort expectations in global warming. Air coolers systems in use almost often built around a vapour compression systems driven by grid of electricity.

The air coolers are widely used in the present world. Because the electrical device consumes more electrical power and it is not benefit for the poor people. By this design of an air cooler we can rectify the problem by using some devices and special cooling chamber for the purpose of reducing the heat in the surrounding environment, where it is widely distributed villages with little or no rural electrification and also in the urban areas where power shortage is often practice.

World always trying to invent the new one. Somebody tries to find new one and tries to modify an ordinary one to implement a technology. Energy plays an vital role in material, social and cultural life of mankind. This is the result of population growth and increase in the standard of living which directly proportional to energy consumption