



Visvesvaraya Technological University  
Belgaum

A  
Project report  
on

***“POWER GENERATION BY NON-CONVENTIONAL  
METHODS”***

Submitted in the partial fulfillment of the requirements for the award of Bachelor’s degree in  
Instrumentation Technology

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## **ABSTRACT**

Energy is the key input to drive & improve the life cycle. The consumption of energy is directly proportional to the development of mankind. Among the renewable sources solar energy is the most easily available natural source of energy. India being a tropical country gets 5000 trillion kW/year of energy which is far beyond the requirements of our country. But solar energy which could be the vital source of energy for every requirement is not being tapped efficiently.

To optimize the usage of solar energy the Indian Renewable energy Development Agency and The Ministry of Non-conventional Energy sources are developing methods to harness and use solar energy for innumerable applications. This project is a small but a definite contribution towards their efforts.

To harness optimal solar energy we are using a solar tracking system we are using a solar tracking system which tilts the solar panel according to the movement of sun thereby getting maximum efficiency of suns energy. This energy stored can be stored in a battery and can be used for endless applications.

This project also promotes the use of renewable & replenishing systems like speed breakers of roadways, wind energy and pressure developed while walking which serves as means of saving energy in various sectors, hence achieving energy conservation.