



Visvesvaraya Technological University  
Belgaum

A  
Project report  
on

***“SOLAR AMBULANCE AND UTILITIES FOR  
PHYSICALLY CHALLENGED PERSONS”***

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

Project Associates

Mr. Santhosh Kumar B.M	3PG03IT015
Ms. Ranjeeta Joshi	3PG06IT005
Ms. Shilpa D.L	3PG06IT008

Under the guidance of  
**Prof. Shilpa Mehta**

M.E

Department of Instrumentation Technology



Bellary V.V. Sangha’s  
**PROUDADEVARAYA INSTITUTE OF TECHNOLOGY**  
T.B.DAM – 583225, HOSPET, KARNATAKA  
2010

## ABSTRACT

India receives solar energy equivalent to over 5000 trillion kWh/year, which is far more than the total energy consumption of the country. But solar energy is being used in India mostly for heating water & a few lighting purposes.

In order to promote its usage, **Indian Renewable Energy Development Agency** and the **Ministry of Non-Conventional Energy Sources** are formulating a programme to have solar energy in more than a million applications in the next few years. Our present project is a sincere attempt to join them.

This project gives us another perspective for the effective utilisation of this energy to the maximum extent, using the solar panel tilting mechanism, and storing the same in a battery. In turn, this is used to drive the vehicle to the hospital. Along with this an arrangement for measuring body temperature of the patient is also done and that is transmitted to the hospital unit with the help of the transmitter.

In addition to the above features, our project also provides utilities for patients to recover from their walking disabilities, which motivates the patient to try to walk and also helps in stimulating the nerve cells.