

**VISVESWARAIAH TECHNOLOGICAL UNIVERSITY
BELGAUM – 590014**



**A 'KSCST' SPONSORED PROJECT REPORT ON
"DESIGN AND DEVELOPMENT OF SUN BIKE"**

*A project report submitted to Visveswaraiah Technological University
in partial fulfillment of the requirement for the award of degree of Bachelor of Engineering in
Mechanical Engineering*

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ABSTRACT

Energy is the primary and most universal measure of all kinds of work by human beings and nature. There has been an enormous increase in the global demand for energy in recent years as a result of industrial development and population growth. Supply of energy is therefore, far less than the actual demand.

Due to consumption of energy, demand has increased and the scarcity of the fossil fuels has occurred. The convectional sources of energy are depleting and may be exhausted by the end of this century or beginning of next century, hence there is a need to think about renewable energy.

Use of fossil fuels for transportation has led to global warming as well as environmental pollution, so in this project it is proposed to develop a low cost SOLAR ENERGY ASSISTED bi-cycles, as a green technology and to use eco-friendly transportation modes as far as possible.

Solar energy, radiant light and heat from the sun, the next wave of future. To harvest the solar energy, the most common way is to use the solar panels. Using the solar panel some amount of energy can be utilized which helps in reducing the human effort. As the fuel is solar energy which is renewable and costless, it makes garden city a green city.