

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELGAUM-590002



A Project Report On

**“MICROCONTROLLER-BASED SOLAR PANEL TRACKING
SYSTEM CUM MULTIPURPOSE SOLAR CHARGER”**

KSCST SPONSERED, 35th series (35S0390) PROJECT

**Submitted in partial fulfillment of requirements for the award of the Degree of
Bachelor of Engineering**

In

Electrical and Electronics Engineering

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Abstract

Solar energy is rapidly gaining notoriety as an important means of expanding renewable energy resources. As such, it is vital that those in engineering fields understand the technologies associated with this area. In our project we will include the design and construction of a microcontroller-based solar panel tracking system. Solar tracking allows more energy to be produced because the solar array is able to remain aligned to the sun. A working system will ultimately be demonstrated to validate the design. Problems and possible improvements will also be presented and also we can use this to harvest solar energy for charging purpose and to get more efficiency compare to normal solar tracking system.