

Visvesvaraya Technological University, Belgaum –590014



PROJECT REPORT ON

“SOLAR OPERATED CUTTING MACHINE WITH SAFETY DEVICE”

(Sponsored by K S C S T)

Submitted in partial fulfillment of the requirements for the award of

BACHELOR OF ENGINEERING

IN

MECHANICAL ENGINEERING

Under the Guidance of

Sri. A.M.RAJESH M.Tech.,

Lecturer

PROJECT ASSOCIATES

<i>Name of the student</i>	<i>University seat number</i>
BASAVARAJ S MALAKANNAVAR	4SM06ME007
K S UMAMAHESHWARA	4SM06ME018
KAVYA SHREE R	4SM06ME020
SANJAY H M	4SM06ME042



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S.J.M.INSTITUTE OF TECHNOLOGY

(Affiliated to Visvesvaraya Technological University, Belgaum)

P.B.NO.73, NH-4 Bye Pass Road CHITRADURGA- 577 502

KARNATAKA STATE, INDIA

Abstract

Every machine makes use of power or energy to run and perform operation. It may be of any type. The energy used may be **exhaustible** or **inexhaustible**. It is necessary to save the exhaustible energy and make an effective use of inexhaustible energy.

Solar energy is the energy which comes under the group of inexhaustible energy. The energy which is exhibited by the sun and which is freely available in nature is **solar energy**. The light energy gets converted into heat energy which helps in doing mechanical work.

In this project, an attempt is made to design fabricate a unique auto safety device to safe guard the worker in sawmills and to serve that no casualty is occurred during the cutting work.

The project deals with running a cutting machine using solar energy. Every machine may be having advantages as well as disadvantages. Some may be hazardous to the person working with it too.

The project has a safety device to overcome this limitation so that the worker working with it remains even safer.