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VISVESVARAYA TECHNOLOGICAL UNIVERSITY - Belgaum



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**A PROJECT REPORT ON**

**"SOLAR SEEDS SPRAYER"**

**Submitted in partial fulfillment of the requirement for**

**The award of degree of**

**BACHELOR OF ENGINEERING**

**In**

**MECHANICAL ENGINEERING**



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## **ABSTRACT**

This project deals with fabrication of a “Solar Seed Sprayer”. This non-conventional device basically consists of a plastic tank. The bottom of the tank has opening through which the material falls on a hose.

The machine, Solar seed Sprayer, we introduce through our project is mainly useful for Agricultural purpose. This machine works under non-conventional energy which is the ultimate source for all living beings. The solar energy is converted into electrical energy with the help of solar cells. The converted electrical energy is completely stored in the battery. A D.C. Motor is run by utilizing this electrical energy. A different type of seed is splited with the help of sprayer unit. This machine is also used to spray not only the solid substance and also powder particles.

The device can be operated by a single person and an unskilled labour can operate it. Using this, a single person can sow seeds and cover an area of 6 hectares of land on a single day.