



Visveswaraiah Technological University

**Belgaum**

**A**

**Project report**

**on**

***“AUTOMATION OF AGRICULTURE USING  
MICROCONTROLLERS”***

Submitted in partial fulfillment of the requirements for the  
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## **Abstract**

Agriculture is the back bone of our country and Indian economic is mainly dependent on the agriculture but our farmers are facing a number of problems.

The current project is designed in a view to beneficiate farmers for some extent to the present technology and its utilization in their work. The main aim of the project is to supply the water automatically by knowing the moisture content of the soil. The pump used to supply water is protected against dry running, overheating and abnormal temperature.

Pump theft can also be monitored and controlled. An electrical fencing is being provided in order to avoid the entry of unwanted animals into the field. Pests can be controlled by generating ultrasonic signals. In the current project the overall power supply can be provided by using solar energy.