

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

“JNANA SANGAMA”, BELGAUM-590014



Project Report on

“AUTOMATED CONTROL OF RICE MILL DRIER SECTION USING PLC”

(SPONSORED BY KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY)

Submitted in partial fulfillment of

Bachelor of Engineering

IN

Electrical and Electronics Engineering

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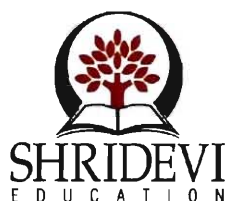
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ABSTRACT:

This project gives an idea of controlling the drier section of the rice mill automatically using PLC instead of manually. The main aim of the project is to improve the quality of rice. The two special type of sensors are used at drier section, that are moisture sensor and temperature sensor. PLC (Programmable Logic Controller) is used to control the moisture sensor and temperature sensor. Till now it was controlling manually so that it was very difficult to maintain the temperature and moisture in a required proportion.

So when PLC will be used to control the sensors so it will be easier to control the respective sensors in required proportion which leads to the production of better quality of rice. If the quality of the rice will be good then it will be benefit for our country. At last the best thing of our project is that it can be implementing on same rice mill, so it will be economical for our country.

The advantages of this project is that the plant's drier section will control by the PLC programming and is totally automated. So these will help to reduce the broken rice, reduce the numbers of labours require, no need of periodic checking and at last its important advantage that is the quality of rice will good