

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

"Jnana Sangama", Belagavi-560014, Karnataka



A PROJECT REPORT ON

**"OYSTER MUSHROOM CULTIVATION MONITORING
AND CONTROL SYSTEM"**

*SUBMITTED IN PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE
AWARD OF THE DEGREE*

**BACHELOR OF ENGINEERING
IN
COMPUTER SCIENCE & ENGINEERING**

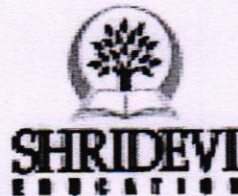
Submitted By

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Sira Road, Tumakuru – 572 106, Karnataka.

2021-22



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify that, the project entitled "OYSTER MUSHROOM CULTIVATION MONITORING AND CONTROL SYSTEM" has been successfully carried out by RAJEEVA N P [ISV15CS074], SHIVAYOGI B S [ISV15CS088], in partial fulfillment for the award of Bachelor of Engineering in Computer Science & Engineering of the Visvesvaraya Technological University, Belagavi during the academic year 2021-22. It is certified that all the corrections/suggestions indicated for internal assessments have been incorporated in the report. The project report has been approved as it certifies the academic requirements in respect of Project work-II prescribed for the Bachelor of Engineering Degree.

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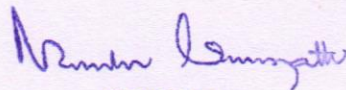
Name of the Examiners

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2. Baravelka D

Signature with date

ABSTRACT

Mushrooms are classified as vegetables in the food world. They are not vegetables, they are Fungi. Mushrooms provide several important nutrients and also used for production of medicines. This project mainly focuses of the monitoring of the mushroom farms. Environmental condition is a significant factor. Mushrooms are unable to grow if the temperature is higher than 33°C or lower than 25°C. This Project focuses on automatic environmental control system to provide optimum condition to mushroom. By implementing (IOT) monitoring & Environment control we can reduce labor cost & increase the productivity. Here light Intensity sensor, Temperature & humidity sensor & CO₂ sensor are connected to Ethernet module to become IOT. sensor that sends data to below IOT sensor that send data to the internet for monitoring & assessment.



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