VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI

A PROJECT REPORT ON

"SMART FARMING USING SENSORS FOR AGRICULTURAL TASK AUTOMATION"

Submitted in partial fulfillment for the award of Degree of

BACHELOR OF ENGINEERING

IN

COMPUTER SCIENCE &ENGINEERING

By

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ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

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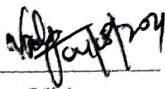
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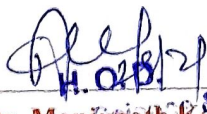## DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

CERTIFICATE

This is to certify that the project entitled **"SMART FARMING USING SENSORS FOR AGRICULTURAL TASK AUTOMATION"** has been successfully completed by

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the bonafied students of **DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING, ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY** of the **VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI** during the year 2020–2021. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the Bachelor of Engineering Degree.

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ABSTRACT

Smart farming relies heavily on the Internet of Things (IoT). IoT sensors capable of supplying information on their agriculture areas have given rise to the concept of smart farming. The goal of the article is to use emerging technology, such as the Internet of Things (IoT) and smart agriculture with automation. The main component in increasing the production of efficient crops is to monitor environmental conditions. The main feature is that it uses several sensors to monitor temperature, humidity, soil moisture, and rainfall in an agricultural area.