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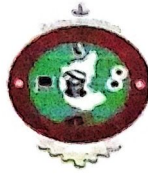

A PROJECT REPORT ON
"CROP PREDICTION SYSTEM USING ML"

Submitted in partial fulfillment for the award of Degree of,

BACHELOR OF ENGINEERING
IN
COMPUTER SCIENCE & ENGINEERING
By

M.G. SWETHA	**4AL14CS040**
DARSHAN M	**4AL15CS026**
TANOJ M	**4AL16CS113**

Under the Guidance of
Mr. Madhusudhan S
Assistant Professor

ALVA'S
Education Foundation

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY
MOODBIDRI-574225, KARNATAKA, 2020 – 2021

ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY
MIJAR, MOODBIDRI D.K. -574225, KARNATAKA

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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

CERTIFICATE

This is to certify that the project entitled "CROP PREDICTION USING ML" has been successfully completed by

M.G. SWETHA	**4AL14CS040**
DARSHAN M	**4AL15CS026**
TANOJ M	**4AL16CS113**

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.

Mr. Madhusudhan S
Project Guide

Dr. Manjunath Kotari
Head of the department
Dept. Of Comput...
Alva's Institute ...
Mijar, MOODBIDRI - 574 225

Dr. Peter Fernandes
Principal
Alva's Institute ... Technology,
Mijar. MOODBIDRI - 574 225, D.K

External Viva

Name of the Examiners

Signature with Date

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ABSTRACT

Agriculture is the backbone of Indian economy. Many farmers lack awareness about the latest technologies which can help them in many ways like getting help in choosing fertilizers, selecting the right crop to grow based on soil quality and weather conditions. Selecting the right crop has been the most daunting task for farmers. Using Machine Learning and with the help of data collected from soil tests it's possible to predict the type of crop that can be cultivated. In the modern world, where humans rely hugely upon various products and services offered by various businesses, data plays an important role handling these activities. Data now is more valuable than currency because if utilized in the right way it can reap huge profits to businesses and save considerable amount of time. To leverage the advantages of data generated in almost all the domains, it's required to use new age technology like Machine Learning. Machine learning is a sub field of artificial intelligence. The goal of machine learning generally is to understand the structure of data and fit that data into models that can be understood and utilized.