ॐ

SASURIE COLLEGE OF ENGINEERING

SASURIE INSTITUTIONS

Approved by AICTE, New Delhi. Affiliated to Anna University, Chennai

Near NH544, Coimbatore Bypass, Near Vijayamangalam Tollgate, Tirupur 638056

NAAC DOCUMENTS

QUALITY INDICATOR FRAME WORK

CRITERION - 3

RESEARCH, INNOVATION & EXTENSIONS

SUBMITTED BY

IQAC

INTERNAL QUALITY ASSURANCE CELL

SASURIE COLLEGE OF ENGINEERING

Criteria3	Research,InnovationsandExtension	110

KeyIndicator-3.1Resource Mobilization for Research

3.1.1. Endowmentsin the institution during the last five years (INR in Lakhs)

SUPPORTING DOCUMENTS for Endowment

Table of Content

9 - 96/B. GROUND FLOOR

SVT COMPLEX

M.G.R NAGAR

SALEM - 636001

EMAIL: MASTERMINDTECH.COM

PHONE NO: 85357 69501

Date:23.12.2020

TO

The Principal,

Sasurie College of Engineering,

Vijayamangalam – 638 056.

Dear Sir/Madam,

Greeting from   **MASTER MIND TECHNOLOGIES!!!**

We are aware of your project "Plant Species Detection IOT" through your institution consultancy work brochure and would like to know the estimation of the project mentioned here. I appreciate your consideration.

Thanks & Regards

Managing Director

Vijayan.k

Dr.M.VIJAYAKUMAR ME., Ph.D.,
PRINCIPAL
SASURIE COLLEGE OF ENGINEERING,
Vijayamangalam - 638 056, Tirupur (Dt).

ॐ
SASURIE
COLLEGE OF ENGINEERING
SASURIE
INSTITUTIONS
Approved by AICTE, New Delhi
Affiliated to Anna University, Chennai

Date: 28.12.2020

To

Managing Director,

Master Mind Technologies,

9 - 96/B, Ground Floor,

SVT Complex,

M.G.R Nagar,

Salem – 636001.

Respected Sir/Madam,

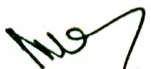Sub: Submission of project consultancy work quotation - Reg.

Ref: Letter dated 23.12.2020.

*****

Greetings from Sasurie College of Engineering !

With reference to your letter, our college CSE Department has prepared and wishes to send the quotation to carry out the consultancy project of your esteemed organization. We would like to bring to your kind notice that, the project **"Plant Species Detection IOT"** may cost around Rs.80,000/- .

We assure that we will provide the required technical support from our end, for the successful completion of the project. We are looking forward your kind consideration about our consultancy project work proposal and we request you to contact us for any queries about the design and working of project.

Thanking You,

With warm regards

Dr.M.VIJAYAKUMAR ME.,
PRINCIPAL
SASURIE COLLEGE OF ENGINEERING
Vijayamangalam - 638 056, Tirupur (Dt).

PRINCIPAL
SASURIE COLLEGE OF ENGINEERING,
Vijayamangalam - 638 056, Tirupur (Dt).

9 - 96/B, GROUND FLOOR

SVT COMPLEX

M.G.R NAGAR

SALEM - 636001

EMAIL: MASTERMINDTECH.COM

PHONE NO: 85357 69501

SANCTION LETTER

Date:08.01.2021

To

The Principal,

Sasurie College of Engineering,

Vijayamangalam – 638 056.

Dear Sir/Madam,

We are satisfied with your quotation for **"Plant Species Detection IOT".** We have approved the budget of Rs. **75,000**-as per our discussion, I will also collaborate with you to plan the project's continuing advancements.

Thanks and Regards,

Managing Director,

Vijayan.k

Dr.M.VIJAYAKUMAR ME., Ph.D.,
PRINCIPAL
SASURIE COLLEGE OF ENGINEERING,
Vijayamangalam - 638 056, Tirupur (Dt).

ॐ
SASURIE
COLLEGE OF ENGINEERING
SASURIE
INSTITUTIONS
Approved by AICTE, New Delhi
Affiliated to Anna University, Chennai

Date:09.03.2021

To

Managing Director,

Master Mind Technologies,

9 - 96/B, Ground Floor,

SVT Complex,

M.G.R Nagar,

Salem – 636001.

Respected Sir/Madam,

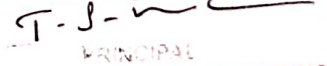Sub: Completion of Consultancy Project - Reg.

Ref: Letter dated on 08.01.2021.
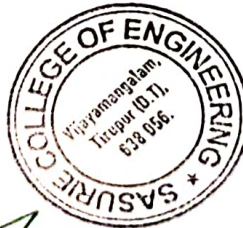
****

Greetings from Sasurie College of Engineering !

We are pleased to inform you that we have successfully completed the project **"Plant Species Detection IOT"**. Herewith, we are sending the project Proposal document. We are happy to invite your team to visit our campus for the review of the project.

Looking forward your response.

With warm regards,

PRINCIPAL
SASURIE COLLEGE OF ENGINEERING,
Vijayamangalam - 638 056, Tirupur (Dt).

Dr.M.VIJAYAKUMAR ME., Ph.D.,
PRINCIPAL
SASURIE COLLEGE OF ENGINEERING,
Vijayamangalam - 638 056, Tirupur (Dt).

CONSULTANCY PROJECT WORK
REPORT

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

PLANT SPECIES DETECTION IOT

SUBMITTED TO

Managing Director,

Master Mind Technologies,

9 - 96/B, Ground Floor,

SVT Complex,

M.G.R Nagar,

Salem – 636001.

DELIVERY DATE:09.03.2021

Dr.M.VIJAYAKUMAR ME., Ph.D.,
PRINCIPAL
SASURIE COLLEGE OF ENGINEERING,
Vijayamangalam - 638 056, Tirupur (Dt).

CONSULTANCY PROJECT REPORT

OBJECTIVE:

As we all know that agriculture play a vital role for establishing agricultural society of country. Agriculture has been the career for people beyond a century however because of herbal aspect of climatic circumstance farmers are going through plenty of issues which might also additionally result in address critical issues in the society . So IOT can be a crucial key to help the farmers automate the whole process and deep leaning algorithms like Deep CNN can be implemented for plant disease detection. This device will assist to govern the diverse environmental situations which include soil moisture, temperature and humidity for the growth of the plant and detect the plant disease. This paper presents the monitoring of the plant through Thinkspeak and disease detection through Deep CNN.

AIM OF THE PROJECT

The whole proposal's intention is to aid farmers or the people who are into gardening but couldn't monitor them at regular intervals, ex-watering the plants, controlling the temperature, humidity as some of the crops require closed monitoring sheds to grow. So to achieve this we require two domains IOT and Deep CNN.

CONCLUSION:

The plant disease detection and growth monitoring using IOT has been verified to satisfactorily work by displaying the data in thinkspeak using the ESP 8266 microcontroller the disease detection of the plant has been successfully identified using Deep CNN algorithm.

TOTAL SANCTIONED AMOUNT: 75,000/-
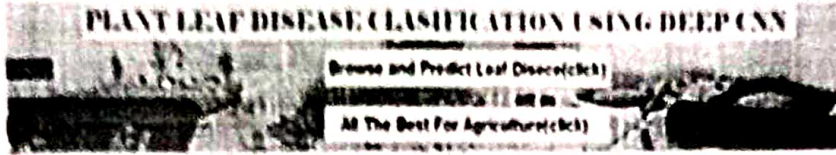
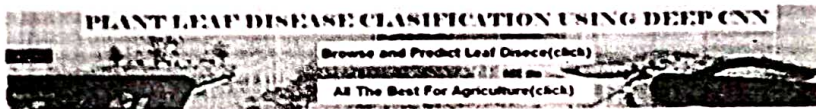**DURATION OF THE PROJECT: 8 WEEKS**

Dr.M.VIJAYAKUMAR ME., Ph.D.,
PRINCIPAL
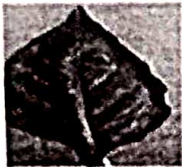SASURIE COLLEGE OF ENGINEERING,
Vijayamangalam - 638 056, Tirupur (Dt).

SAMPLE SCREENSHOT

Dr.M.VIJAYAKUMAR ME., Ph.D.,
PRINCIPAL
SASURIE COLLEGE OF ENGINEERING,
Vijayamangalam - 638 056, Tirupur (Dt).

![SASURIE COLLEGE OF ENGINEERING logo]

SASURIE
COLLEGE OF ENGINEERING
SASURIE INSTITUTIONS   Approved by AICTE, New Delhi
Affiliated to Anna University, Chennai

Date:09.03.2021

UTILIZATION CERTIFICATE

Certified that the amount of rupees Rs. 75,000/- (Seventy Five Thousand only) sanctioned by Master Mind Technologies, Salem during the academic year (2020-2021), in favour of department of Computer Science and Engineering, Sasurie College of Engineering has been fully utilized for the project consultancy work titled " **PLANT SPECIES DETECTION IOT**". The purpose of amount sanctioned has been fulfilled and delivered as per conditions of grant were satisfied.

PROJECT INVESTIGATOR

PRINCIPAL

PRINCIPAL
SASURIE COLLEGE OF ENGINEERING,
Vijayamangalam - 638 056, Tirupur (Dt).

Dr.M.VIJAYAKUMAR ME., Ph.D.,
PRINCIPAL
SASURIE COLLEGE OF ENGINEERING,
Vijayamangalam - 638 056, Tirupur (Dt).