



# MES COLLEGE ERUMELY

## PROJECT REPORT



**B.Sc Electronics**

# MES COLLEGE ERUMELY

(Affiliated to Mahatma Gandhi University, Kottayam)

MES COLLEGE ERUMELY P.O, KOTTAYAM (DT) -686509



## DEPARTMENT OF ELECTRONICS

### CERTIFICATE

This is to certify that this project entitled " IOT BASED SMART AGRICULTURE SYSTEM" has been submitted by ABHIJITH V (190021032793), AISWARIA K DAS (190021032794), ANISHA P (190021032796), ARYA RAJ (190021032798), KIRAN JOSEPH (190021032802) in partial fulfillment of the requirement for the award of B.Sc degree (CBCS) by the Mahatma Gandhi University, Kottayam during the academic year 2021-2022

Project Guide  
*Swathi*  
13 May 2022  
Mrs. Swathi Mohan

*Jisha*  
Head of the Department

**JISHA C K**  
Mrs. Jisha C K  
Head of the Department  
Department of Electronics  
M. E. S. College Erumely

Submitted to the Viva Voce ..... 7/05/2022 .....

*[Signature]*  
Internal Examiner

*[Signature]*  
7 May 22  
External Examiner

05.01.2022

## Certificate

This is to certify that the project entitled **IoT BASED SMART AGRICULTURE SYSTEM** with front end **PHP** and back end **MY SQL** **Microcontroller-ATmega2560, Microcontroller Programing language - Embedded C & Circuit Simulation Software-Proteus 7 pro** is a bonafide record of the work done at our company by

**Mr.Abhijith V** (Reg No: 190021032793)

**Ms.Aiswarya K Das** (Reg No: 190021032794)

**Ms.Anisha P** (Reg No: 190021032796)

**Ms.Arya Raj** (Reg No: 190021032798)

**Mr.Kiran Joseph** (Reg No: 190021032802)

studying in **MES College Erumely** in partial fulfillment of the requirements for the award of the degree of **BSc Electronics, 6<sup>th</sup> Semester** from **Mahathma Gandhi University** during the period from **14<sup>th</sup> December 2021 to 4<sup>th</sup> January 2022**. The matter contained in the dissertation has not been submitted for the award of any other degree.

We wish all success in their career.

For Trinity Software Technologies

  
Jerin Mathew  
Manager



# MES COLLEGE ERUMELY

( Affiliated to Mahathma Gandhi University Kottayam )


MES COLLEGE ERUMELY P.O, KOTTAYAM (DT)-686509



## DEPARTMENT OF ELECTRONICS

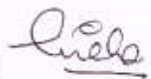
### CERTIFICATE

This is to certify that this project “**IOT ENABLED DUSTBIN**” has been submitted in partial of the requirement for the award of B.Sc Degree (CBCS) by the Mahathma Ganthi University Kottayam during the academic year 2021-2022

  
Mr. Anandhu Shaji

Project Guide

Department of Electronics

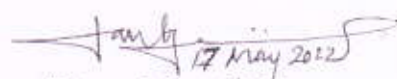
Mrs. Jisha C K 

Head of the Department

Department of Electronics

Submitted to the Viva Vice on : ..... 17/5/2022 .....

  
Internal Examiner

  
External Examiner

05.01.2022


## Certificate

This is to certify that the project entitled **IOT Based Smart Bin** with front end **PHP** and back end **MY SQL, Microcontroller-ATmega 2560, Microcontroller Programing language - Embedded C & Circuit Simulation Software- Proteus 7 pro** is a bonafide record of the work done at our company by

Mr.Ashiq Navas	(Reg No: 190021032799)
Mr.Fazil K Y	(Reg No: 190021032800)
Mr.Muhammad Swadiq	(Reg No: 190021032804)
Mr.Nagarajan V	(Reg No: 190021032805)
Mr.Nikhil T Prasad	(Reg No: 190021032806)

studying in **MES College ,Erumely** in partial fulfillment of the requirements for the award of the degree of **BSc Electronics, 6<sup>th</sup> Semester** from **M.G University** during the period from **14<sup>th</sup> December 2021 to 4<sup>th</sup> January 2022**. The matter contained in the dissertation has not been submitted for the award of any other degree.

We wish all success in their career.  
For Trinity Software Technologies

  
Jerin Mathew  
Manager



# MES COLLEGE ERUMELY

(Affiliated to mahatma Gandhi University, Kottayam)

MES COLLEGE ERUMELY P.O, KOTTAYAM (DT) -686509



## DEPARTMENT OF ELECTRONICS

### CERTIFICATE

This is to certify that this project entitled "IOT BASED SUPPLY CHAIN MONITORING " has been submitted by ALAN THOMAS(190021032795), ANTOCHEN BINOY(190021032797),JOBIN SEBASTIAN(190021032801), WEBIN THOMAS(190021032803), SINO JOHN PHILIP (190021032807), SREEDEV.A.(190021032808) in partial fulfilment of the requirements for the award of B.Sc degree (CBCSS) by the Mahatma Gandhi University Kottayam during the academic year 2021-2022

*John*  
Mr. Jais John

Project Guide

Submitted to the Viva Voce on: 17/05/2022

*John*  
Internal Examiner

*Jisha C K*  
Mrs. Jisha C K

Head of the Department

Department of Electronics  
M. E. S. College Erumely

*John*  
External Examiner

05.01.2022

## Certificate


This is to certify that the project entitled **IOT Based Supply Chain Monitoring** with front end **PHP** and back end **MY SQL, Microcontroller- ATmega 2560, Microcontroller Programing language - Embedded C & Circuit Simulation Software- Proteus 7 pro** is a bonafide record of the work done at our company by

<b>Mr. Alan Thomas</b>	<b>(Reg No: 190021032795)</b>
<b>Mr. Antochen Binoy</b>	<b>(Reg No: 190021032797)</b>
<b>Mr. Jobin Sebastian</b>	<b>(Reg No: 190021032801)</b>
<b>Mr. Mebin Thomas</b>	<b>(Reg No: 190021032803)</b>
<b>Mr. Sino John Philip</b>	<b>(Reg No: 190021032807)</b>
<b>Mr. Sreedev A</b>	<b>(Reg No: 190021032808)</b>

studying in **MES College Erumely** in partial fulfillment of the requirements for the award of the degree of **BSc Electronics, 6<sup>th</sup> Semester** from **M.G University** during the period from **14<sup>th</sup> December 2021 to 4<sup>th</sup> January 2022**. The matter contained in the dissertation has not been submitted for the award of any other degree.

We wish all success in their career.

For Trinity Software Technologies



Jerin Mathew

Manager

