

IOT BASED SMART METER

Submitted in partial fulfillment of the requirements for the award of

Bachelor of Engineering Degree in
Electrical and Electronics Engineering

by

BALAJI A-39140006– EEE

DHANUSH G- 39140011 - EEE

DHINESH PANDI J- 39140012 – EEE

SRINATH G- 39140056 – EEE

VIJAYA RAAGAVAN S R-39140063-EEE



**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
SCHOOL OF ELECTRICAL AND ELECTRONICS ENGINEERING**

**SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)
Accredited with Grade “A” by NAAC
JEPPIAAR NAGAR, RAJIV GANDHI SALAI, CHENNAI - 600 119**

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BONAFIDE CERTIFICATE

This is to certify that this Project Report is the bonafide work of VIJAYA RAAGAVAN S R(Reg No:39140063),DHANUSH G(Reg no:39140011),BALAJI G(A(Reg No:39140006),SRINATH Reg No:39140056),DHINESH PANDI J(Reg No:39140012)who carried out the project entitled "IOT BASED SMART METER " under our supervision from February 2022 to April 2022.

Dr. P.SIVAGAMI
Internal Guide

Dr. V. SIVACHIDAMBARANATHAN
Head of the Department

Submitted for Viva voce Examination held on_29 TH APRIL 2022

Name:

Signature:

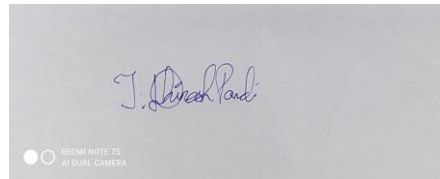
Internal Examiner

External Examiner

DECLARATION

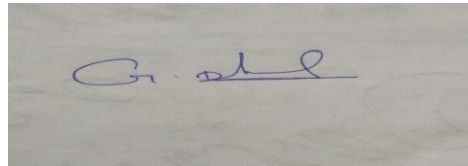
DHINESH PANDI.J(RegNo:39140012),DHANUSH.G(Reg.no:39140011),BALAJI.A(Reg No:39140006),SRINATH(Reg.No:39140056),VIJAYARAAGAVAN.S.R(Reg No:39140063) who hereby declare that the Project Report entitled "**IOT BASED SMART METER**" done by us under the guidance of **Dr. P.SIVAGAMI** is submitted in partial fulfillment of the requirements for the award of Bachelor of Engineering degree in Electrical and Electronics Engineering.

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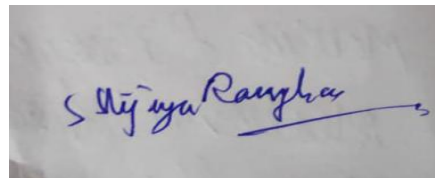
J. Dhinesh Pandi

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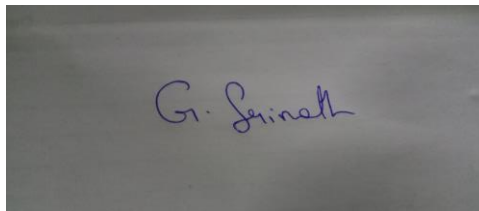
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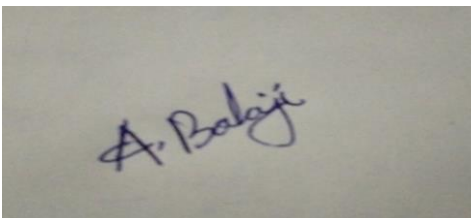
Vijaya Raghava

4



G. Srinath

5



A. Balaji

DATE: 27.04.2022

PLACE: Chennai

SIGNATURE OF THE CANDIDATE

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ABSTRACT

IoT-based applications are becoming more popular and provide effective solutions for many real time problems. In this research, real-time monitoring system for residential energy meter is proposed. A solution is a cheap and easy to implement and manage energy monitoring system for our daily usage of electric power. A solution is a cheap and easy to implement and manage energy monitoring system for our daily usage of electric power. The proposed design is to implement a very low-cost wireless sensor network and protocol for smart energy and web application capable of automatically reading the unit and sending the data automatically for the power users to view their current energy meter reading. By using this system, the users will be aware of the electricity usage in his/her home to reduce the power wastage and cost of consumption. And also, we can set the monthly unit limit from web application to restrict the over usage.

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