

EI8811

PROJECT WORK

L T P C 0 0 20 10

OBJECTIVES:

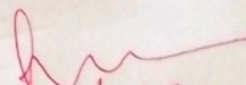
- To develop the ability to solve a specific problem right from its identification and literature review till the successful solution of the same.
- To train the students in preparing project reports and to face reviews and viva voce examination.

- The students in a group of 3 to 4 works on a topic approved by the head of the department under the guidance of a faculty member and prepares a comprehensive project report after completing the work to the satisfaction of the supervisor. The progress of the project is evaluated based on a minimum of three reviews. The review committee may be constituted by the Head of the Department. A project report is required at the end of the semester. The project work is evaluated based on oral presentation and the project report jointly by external and internal examiners constituted by the Head of the Department.

TOTAL: 300 PERIODS

•OUTCOMES:

On Completion of the project work students will be in a position to take up any challenging practical problems and find solution by formulating proper methodology.


HoD/GIE

Department of EIE
Project work - E18811

Review-I Assessment-II

S. No	Reg.No	Student Name	Project Title	Assessment by REVIEWER I Er.J.Uma maheswari AP/EIE								Assessment by REVIEWER II Er.L.V.Revathi AP/EIE								Total REVIEWER I	Total REVIEWER II		
				K	D & D (B)				T & ES				K	D & D (B)				T & ES					
				-4	-8	-8	-8	-4	-4	-8	-8	-8	-4	-4	-8	-8	-8	-4	-4			-8	-8
1	920417107001	ALEXPRIYAN P	Agricultural Robot	3	6	6	6	6	3	3	6	6	6	6	6	4	30	31					
2	920417107002	ANANTHA KRISHNA KUMAR S		2	6	6	6	6	5	2	2	6	6	6	5	3	26	27					
3	920417107013	MANOJKUMAR.M		3	6	6	6	6	4	3	6	6	6	6	6	4	31	31					
4	920417107003	ARCHANA.D	Solar Grass Cutter	3	5	5	6	7	3	3	5	5	6	7	3	29	29						
5	920417107009	GOWTHAML.R		3	5	5	6	5	3	3	5	5	6	5	3	27	27						
6	920417107028	SWEETHAM		3	5	5	6	6	3	3	5	5	6	6	3	28	28						
7	920417107004	ARUL KUMARAN.N	Smart Stick for visually impaired People	3	5	5	6	6	3	3	5	5	6	6	3	29	29						
8	920417107016	GURUPRASATH.C		3	6	6	6	5	3	3	6	6	6	5	3	28	28						
9	920417107033	VIGNESH KUMAR.A		3	6	6	6	5	3	3	6	6	6	5	3	29	29						
10	920417107005	DHANESHWARAN.N.K	Smart Shopping Cart	3	4	6	6	5	2	3	4	6	6	5	2	26	26						
11	920417107012	MANIKANDAN.S		3	4	6	6	4	2	3	4	6	6	4	2	25	25						
12	920417107023	SHIVA KUMAR.R		3	4	6	6	4	2	3	4	6	6	4	2	25	25						
13	920417107006	DHINAKARAN.S	PLC based Automatic Quality measurement in rubber belt section	3	5	6	6	4	3	3	6	6	6	5	4	27	30						
14	920417107014	MATHEW KEWIN.S		3	5	6	6	4	3	3	6	6	6	5	4	27	29						
15	920417107031	VIJAYARAJAN.V		3	5	6	6	4	3	3	6	6	6	5	3	27	30						
16	920417107007	GAUTHAM RANGAN.P	Arduino based food quality monitoring	3	5	5	5	4	2	3	5	6	6	5	3	24	28						
17	920417107016	NITHYA RAJA DURAI.S		3	5	5	5	4	2	3	5	6	6	4	3	24	28						
18	920417107018	PERUMAL GOKUL RAM.L		3	5	5	5	4	2	3	6	6	6	5	3	24	29						
19	920417107008	GOPINATH.M	IoT Enable sewage line monitoring system	4	6	6	6	6	4	4	6	6	6	5	4	32	31						
20	920417107015	MUKESH SUNDAR.V		2	4	6	6	5	4	3	5	6	6	4	3	27	27						
21	920417107019	PETCHESWARAN.P		2	4	6	6	5	4	3	5	6	6	4	3	27	27						
22	920417107024	SIVA SAKTHI KIRAN.R	Smart Poultry Farm	2	4	6	6	5	4	3	5	6	6	4	3	27	27						
23	920417107011	LALITHA.J		3	6	6	6	6	3	3	6	6	6	6	3	30	30						
24	920417107032	YOGALAKSHMI.B		3	6	6	6	6	3	3	6	6	6	4	3	30	28						
25	920417107020	RAMPRASATH.G	IoT based wireless controlled smart system for organ transportation	3	5	5	5	4	2	3	5	5	5	6	2	24	26						
26	920417107022	SANKAR.K		3	5	5	5	6	4	3	5	5	5	6	4	28	28						
27	920417107029	VIGNESH KARTHIK RAJ.A		3	5	5	5	6	4	3	5	5	5	6	4	28	28						
28	920417107021	RENUKA DEVL.M	Design of Fault Identification system for underground water distribution network using IoT	3	5	5	6	6	3	3	5	5	6	6	3	28	28						
29	920417107025	SOURNA PRIYA.M		3	5	5	6	6	3	3	5	5	6	6	3	28	28						
30	920417107026	SOWMIYA.R		3	5	5	6	5	3	3	5	5	6	5	3	27	27						

* K-Engineering Knowledge
E & T-Ethics & Team work

D & D-Design & Development of Solution
C-Communication

T & ES-Modern Tools Usage and Environment & Sustainability
SL-Self Learning

Project In-charge

HOD/EIE

SMART AGRICULTURAL ROBOT

A PROJECT REPORT

Submitted by

P.ALEX PRIYAN (920417107001)

S.ANATHA KRISHNA KUMAR (920417107002)

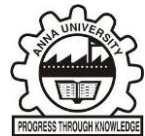
M.MANOJKUMAR (920417107013)

In partial fulfilment for the award of the degree of

BACHELOR OF ENGINEERING

IN

ELECTRONICS AND INSTRUMENTATION ENGINEERING



**DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION
ENGINEERING**

KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution Affiliated to Anna University, Chennai)

K.VELLAKULAM - 625701 (Near Virudhunagar)

APRIL 2021

BONAFIDE CERTIFICATE

Certified that this project report “SMART AGRICULTURAL ROBOT” is the bonafide work of “ P.ALEX PRIYAN (920417107001), S.ANANTHA KRISHNA KUMAR (920417107002) and M.MANOJKUMAR (920417107013)” who carried out the project work under my supervision.



SIGNATURE

Dr.S.JEYADEVI,

HEAD OF THE DEPARTEMENT
Department of Electronics and
Instrumentation Engineering
Kamaraj College of Engineering and
Technology



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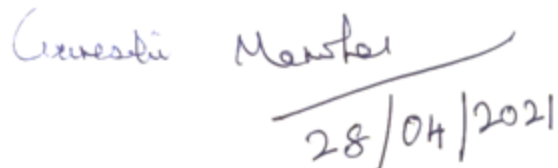
Mrs. J.UMA MAHESWARI,

SUPERVISOR
Department of Electronics and
Instrumentation Engineering
Kamaraj College of Engineering and
Technology



R. Jothi
28/4/2021

INTERNAL EXAMINER



Ganeshi Menster
28/04/2021

EXTERNAL EXAMINER

SOLAR GRASS CUTTER

A PROJECT REPORT

Submitted by

ARCHANA D (17UEIE007)
GOWTHAMI R(17UEIE010)
SWETHA M (17UEIE019)

In partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING
IN
ELECTRONICS AND INSTRUMENTATION ENGINEERING



DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION
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APRIL 2021

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BONAFIDE CERTIFICATE

Certified that the project report “**SOLAR GRASS CUTTER**” is the bonafide work of “**D.ARCHANA (17UEIE007), R.GOWTHAMI (17UEIE010) & M.SWETHA (17UEIE019)**” who carried out the project work under my supervision.



SIGNATURE

Dr. S.JEYADEVI,

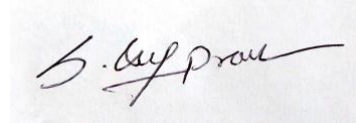
Head of the Department,

Professor,

Dept. of Electronics and Instrumentation Engg, Kamaraj College of Engg & Tech,

Kamaraj College of Engg & Tech,

K.Vellakulam, Madurai



SIGNATURE

Mr.S. RAMESH PRABHU M.E,

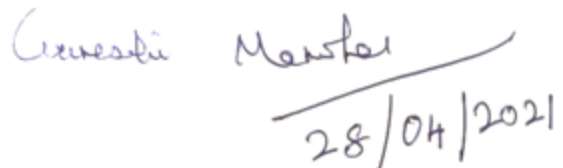
SUPERVISOR, Assistant Professor,

Dept. of Electronics and Instrumentation Engg,

K.Vellakulam, Madurai



INTERNAL EXAMINER



EXTERNAL EXAMINER

SMART STICK FOR VISUALLY IMPAIRED PEOPLE

A PROJECT REPORT

Submitted by

ARUL KUMARAN N (920417107004)
GURUPRASATH C (920417107010)
VIGNESH KUMAR A (920417107030)

In partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING
IN
ELECTRONICS AND INSTRUMENTATION ENGINEERING



**DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION
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APRIL 2021

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BONAFIDE CERTIFICATE

Certified that the project report “SMART STICK FOR VISUALLY IMPAIRED PEOPLE” is the bonafide work of N.ARUL KUMARAN (920417107004), C.GURUPRASATH (920417107010) & A.VIGNESH KUMAR (920417107030)” who carried out the project work under my supervision.



SIGNATURE

**Dr.S.JEYADEVI M.E., Ph.D.,
HEAD OF THE DEPARTMENT**

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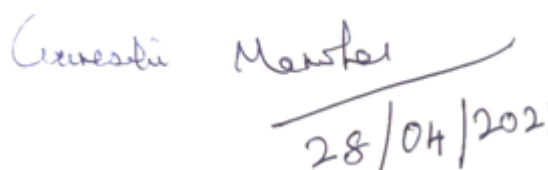
**Er.S.KAVITHA M.E.,
SUPERVISOR**

Assistant Professor

Department of Electronics and
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and Technology,
K.Vellakulam, Madurai



INTERNAL EXAMINER



EXTERNAL EXAMINER

SMART SHOPPING CART

A PROJECT REPORT

Submitted by

DHIANESHWARAN N.K (920417107005)

MANIKANDAN S (920417107012)

SHIVA KUMAR. R (920417107023)

In partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING IN ELECTRONICS AND INSTRUMENTATION ENGINEERING



**DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION
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APRIL 2021

BONAFIDE CERTIFICATE

Certified that the project report “SMART SHOPPING CART” is the bonafide work of “N. K. DHIANESHWARAN (920417107005), S.MANIKANDAN (920417107012) & R. SHIVA KUMAR (920417107023)” who carried out the project work under my supervision.



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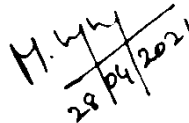
Dr.S.JEYADEVI,
Head of the Department,

Professor,

Dept. of Electronics and
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Er. M.VIGNESWARI,
SUPERVISOR,

Assistant Professor,

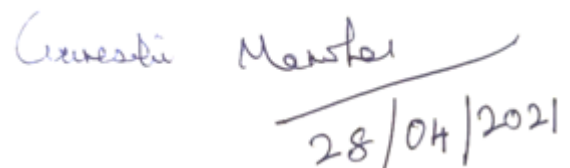
Dept. of Electronics and Instrumentation
Engg,

Kamaraj College of Engg & Tech,

K.Vellakulam, Madurai



INTERNAL EXAMINER



EXTERNAL EXAMINER

**PLC BASED AUTOMATIC QUALITY
MEASUREMENT IN RUBBER BELT IN
J.K FENNER (INDIA)LIMITED
A PROJECT REPORT**

Submitted by

S.DHINAKARAN(920417107006)

S.MATHEW KEWIN(920417107014)

V.VIJAYARAJAN(920417107031)

In partial fulfilment for the award of the degree of

**BACHELOR OF ENGINEERING
IN
ELECTRONICS AND INSTRUMENTATION ENGINEERING**



**DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION
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KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

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K.VELLAKULAM - 625701 (Near Virudhunagar)

APRIL 2021

KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY
(An Autonomous Institution Affiliated to Anna University, Chennai)
K.VELLAKULAM - 625701 (Near Virudhunagar)

BONAFIDE CERTIFICATE

Certified that the project report “**PLC BASED AUTOMATIC QUALITY MEASUREMENT IN RUBBER BELT IN J.K FENNER(INDIA) LIMITED**” is the Bonafide work of “**S.DHINAKARAN (920417107006), S.MATHEW KEWIN (920417107014) & V.VIJAYARAJAN (920417107031)**” who carried out the project work under my supervision.



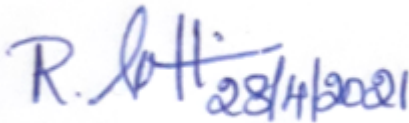
SIGNATURE
Dr. S.JEYADEVI,
(Professor, Head of the Department),

Dept. of Electronics and Instrumentation Engg.,
Kamaraj College of Engg. & Tech.,
K .Vellakulam, Madurai.

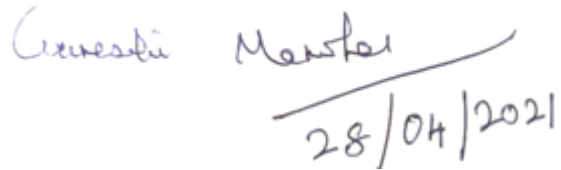


SIGNATURE
Dr. S.JEYADEVI,
SUPERVISOR,
(Professor,Head of the department),

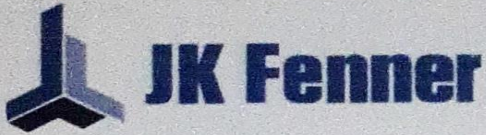
Dept. of Electronics and Instrumentation Engg.,
Kamaraj College of Engg. & Tech.,
K .Vellakulam, Madurai.



INTERNAL EXAMINER



EXTERNAL EXAMINER



30.03.2021

To Whomsoever It May Concern

This is to certify that **Mr. V.VIJAYARAJAN (Roll.No:17UEIE022) Electronics and Instrumentation Engineering** student of **KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY**, had undergone Internship Training cum project work in our company from **05.03.2021 to 30.03.2021**.

During this period, his performance and conduct were found to be good.

We wish him all success in his future endeavors.

For J.K Fenner (India) Limited

R.Chitra Devi
Deputy Manager — HR & Admin.





30.03.2021

To Whomsoever It May Concern

This is to certify that **Mr. S.MATHEW KEWIN (Roll.No:17UEIE029)** Electronics and Instrumentation Engineering student of **KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY**, had undergone Internship Training cum project work in our company from **05.03.2021 to 30.03.2021**.

During this period, his performance and conduct were found to be good.

We wish him all success in his future endeavors.

For J.K Fenner (India) Limited

R.Chitra Devi

Deputy Manager — HR & Admin.





30.03.2021

To Whomsoever It May Concern

This is to certify that **Mr. S.DHINAKARAN (Roll.No:17UEIE029)** Electronics and Instrumentation Engineering student of **KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY**, had undergone Internship Training cum project work in our company from **05.03.2021 to 30.03.2021**.

During this period, his performance and conduct were found to be good.

We wish him all success in his future endeavors.

For J.K Fenner (India) Limited

R.Chitra Devi

Deputy Manager — HR & Admin.



ARDUINO BASED FOOD QUALITY MONITORING SYSTEM

A PROJECT REPORT

Submitted by

S. NITHYA RAJA DURAI - 920417107016

L. PERUMAL GOKUL RAM - 920417107018

P. GAUTAM RANGAN - 920417107007

in particular fulfilment for the award of the degree

of

BACHELOR OF ENGINEERING

in

ELECTRONICS AND INSTRUMENTATION ENGINEERING



**DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION
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APRIL 2021

KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY
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BONAFIDE CERTIFICATE

Certified that this project report “**ARDUINO BASED FOOD QUALITY MONITORING SYSTEM**” is the bonafide work of “**S. Nithya Raja Durai (920417107016), L. Perumal Gokul Ram (920417107018) and P. Gautam Rangan (920417107007)**” who carried out the project work under my supervision.

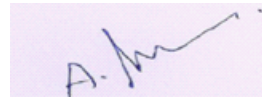


SIGNATURE

Dr.S. JEYADEVI

HEAD OF THE DEPARTEMENT

Department of Electronics and
Instrumentation Engineering
Kamaraj College of Engineering and
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K.Vellakulam, Madurai

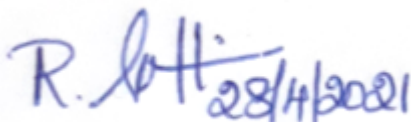


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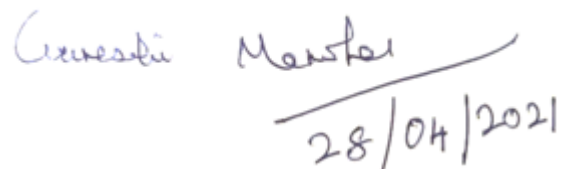
Mr.A. RAJAVEL, M.E

SUPERVISOR

Department of Electronics and
Instrumentation Engineering
Kamaraj College of Engineering
and Technology
K.Vellakulam, Madurai



INTERNAL EXAMINER



EXTERNAL EXAMINER

IoT ENABLED SEWAGE LINE MONITORING SYSTEM

A PROJECT REPORT

Submitted by

M.GOPINATH 920417107008

V.MUKESH SUNDAR 920417107015

P.PETCHISWARAN 920417107019

R.SIVASAKTHIKIRAN 920417107024

in partial fulfillment for the award of the degree

of

BACHELOR OF ENGINEERING

IN

ELECTRONICS AND INSTRUMENTATION ENGINEERING



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APRIL 2021

KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY
(An Autonomous Institution Affiliated to Anna University, Chennai)
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BONAFIDE CERTIFICATE

Certified that this project report entitled “ **IoT ENABLED SEWAGE LINE MONITORING SYSTEM** ” is the bonafide work of **GOPINATH.M (920417107008), MUKESH SUNDAR.V (920417107015), PETCHISWARAN.P (920417107019) and SIVASAKTHIKIRAN.R (920417107024)** who carried out the project work under my supervision.



SIGNATURE

Dr.S.Jeyadevi M.E., Ph.D.,

HEAD OF THE DEPARTMENT

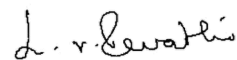
Electronics and Instrumentation

Engineering

Kamaraj College of Engineering

and Technology, Madurai.

INTERNAL EXAMINER



SIGNATURE

L.V.Revathi M.E.,

SUPERVISOR

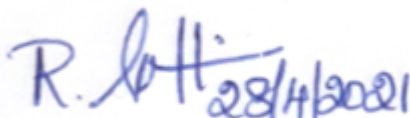
Electronics and Instrumentation

Engineering

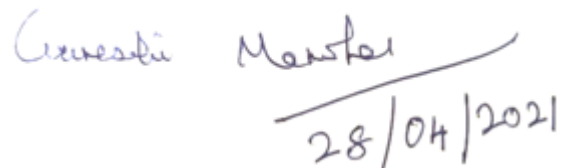
Kamaraj College of Engineering

and Technology, Madurai.

EXTERNAL EXAMINER



28/4/2021



28/04/2021

SMART POULTRY FARMING

A PROJECT REPORT

Submitted by

LALITHA J (17UEIE006)

YOGA LAKSHMI B (17UEIE014)

In partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

IN

ELECTRONICS AND INSTRUMENTATION ENGINEERING



**DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION
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KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

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APRIL 2021

KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution Affiliated to Anna University, Chennai)

K.VELLAKULAM - 625701 (Near Virudhunagar)

BONAFIDE CERTIFICATE

Certified that the project report “SMART POULTRY FARMING” is the bonafide work of **J.LALITHA (17UEIE006), & B.YOGA LAKSHMI (17UEIE014)** who carried out the project work under my supervision.



SIGNATURE

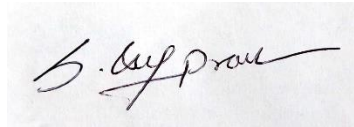
Dr. S.JEYADEVI,

Head of the Department, Professor

Dept of EIE,

Kamaraj College of Engg & Tech

K.Vellakulam, Madurai



SIGNATURE

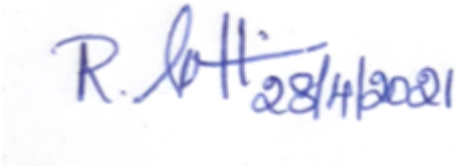
Mr.S.Ramesh Prabhu M.E.,

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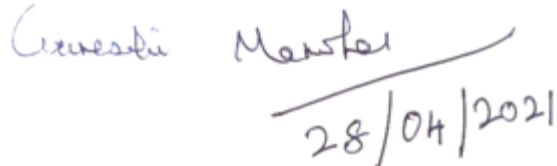
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INTERNAL EXAMINER



EXTERNAL EXAMINER

**IoT BASED SMART SYSTEM FOR ORGAN
TRANSPORTATION**

A PROJECT REPORT

Submitted by

G. RAMPRASATH - 920417107020

K. SANKAR - 920417107022

A. VIGNESH KARTHIK RAJ - 920417107029

in partial fulfillment for the award of the degree

of

BACHELOR OF ENGINEERING

IN

ELECTRONICS AND INSTRUMENTATION ENGINEERING



**DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION
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KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

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APRIL – 2021

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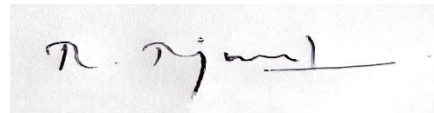
BONAFIDE CERTIFICATE

Certified that this project report “**IoT BASED SMART SYSTEM FOR ORGAN TRANSPORTATION** ” is the bonafide work of “**RAMPRASATH G (920417107020), SANKAR K (920417107022), VIGNESH KARTHIK RAJ A (920417107029)**” who are carried out this project work under my supervision.



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INTERNAL EXAMINER



EXTERNAL EXAMINER

DESIGN OF FAULT IDENTIFICATION SYSTEM FOR WATER DISTRIBUTION NETWORK USING IoT

A PROJECT REPORT

Submitted by

**RENUKA DEVI M (920417107021)
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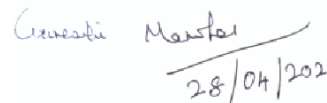
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INTERNAL EXAMINER



EXTERNAL EXAMINER