

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

Jnana Sangama, Belagavi-590014



PROJECT REPORT
ON
A COMPARISON STUDY ON PERFORMANCE OF FIXED AND SOLAR
TRACKING SYSTEM

Submitted in Partial fulfillment of the Requirements for 8th Semester

Bachelor of Engineering

in

Electronics and Communication Engineering

By

PRAMOD R

1KG19EC074

RAGHU R

1KG19EC081

SAGAR B T

1KG19EC083

SUDEEP G R

1KG19EC092

Under the Guidance

of

Mr. Sanjay B. Nayak

Associate Professor

Department of ECE, KSSEM

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

K.S. SCHOOL OF ENGINEERING AND MANAGEMENT BENGALURU-560109

2022-23

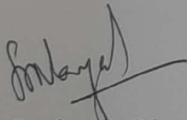


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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

CERTIFICATE

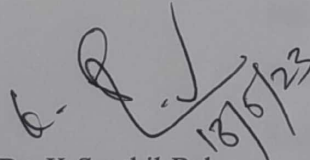
This is to certify that the Project work entitled **A COMPARISON STUDY ON PERFORMANCE OF FIXED AND SOLAR TRACKING SYSTEM** are carried out by Pramod R (1KG19EC074), Raghu R (1KG19EC081), Sagar B T (1KG19EC083), Sudeep G R (1KG19EC092), bonafide students of KSSEM in partial fulfillment for the award of Bachelor of Engineering in Electronics and Communication Engineering under Visvesvaraya Technological University, Belgaum during the year 2022-23. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Project phase-II report and deposited in the department library. The report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

Internal Guide



Mr. Sanjay B. Nayak
Associate Professor
Dept. of ECE

Head of the Department

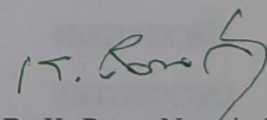


Dr. K Senthil Babu
Professor & Head
Dept. of ECE

Professor & Head

Dept. of Electronics & Communication Engineering
K. S. School of Engineering & Management
Bangalore-560 109

Principal



Dr. K. Rama Narasimha
Principal/Director
KSSEM

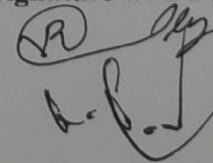
Dr. K. RAMA NARASIMHA
Principal/Director

K S School of Engineering and Management
Bengaluru - 560 109

Name of the Examiners

- 1 Dr. Chanda. V. Reddy
- 2 Dr. K. Senthil Babu.

Signature with Date



VISVESVARAYA TECHNOLOGICAL UNIVERSITY

Jnana Sangma, Belagavi-590014



PROJECT REPORT

ON

Design And Fabrication of a Prototype for Knee Rehabilitation

Submitted in Partial fulfillment of the Requirements for 8th Semester

Bachelor of Engineering

in

Electronics and Communication Engineering

by

NIRIKSHA V MURTHY

1KG19EC067

NITHIN L

1KG19EC068

PRAJWAL SK

1KG19EC073

PRATYUSH KUMAR

1KG19EC078

Under the Guidance

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Dr. K. SENTHIL BABU

Professor & Head

Department of ECE, KSSEM

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K.S.SCHOOL OF ENGINEERING AND MANAGEMENT BENGALURU-560109

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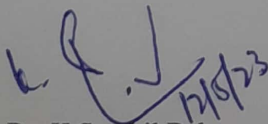
K.S. SCHOOL OF ENGINEERING AND MANAGEMENT
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

CERTIFICATE

This is to certify that the Project work entitled **Design and Fabrication of a Prototype for Knee Rehabilitation** are carried out by Niriksha V Murthy (1KG19EC067), Nithin L (1KG19EC068), Prajwal SK (1KG19EC073), Pratyush Kumar (1KG19EC078), bonafide students of KSSEM in partial fulfillment for the award of Bachelor of Engineering in Electronics and Communication Engineering under Visvesvaraya Technological University, Belgaum during the year 2022-23. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Project phase-I report and deposited in the department library. The report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

Internal Guide / Head of the Department

Principal

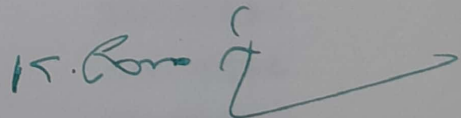


Dr. K Senthil Babu
Professor & Head
Dept. of ECE, KSSEM
Professor & Head

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K. S. School of Engineering & Management
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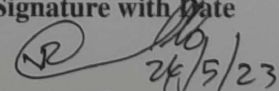
Name of the Examiners

- 1 Dr. Chandra V Reddy
- 2 Dr. K Senthil Babu



Dr. K. Rama Narasimha
Principal / Director
Dr. K. RAMA NARASIMHA
Principal/Director
K S School of Engineering and Management
Bengaluru - 560 109

Signature with Date



VISVESVARAYA TECHNOLOGICAL UNIVERSITY

Jnana Sangama, Belagavi-590014



PROJECT REPORT

ON

Implementation of an Automated Portable Hydroponic System for Indoor Environment.

Submitted in Partial fulfillment of the Requirements for 8th Semester

Bachelor of Engineering

in

Electronics and Communication Engineering

by

KAVYA C

1KG19EC049

KAVYA S E

1KG19EC050

KEERTHANA B R

1KG19EC051

MADAN C B

1KG19EC056

Under the Guidance

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**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
K.S.SCHOOL OF ENGINEERING AND MANAGEMENT BENGALURU-560109**

2022-23



K.S.SCHOOL OF ENGINEERING AND MANAGEMENT
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

CERTIFICATE

This is to certify that the Project work entitled **Implementation of an Automated Portable Hydroponic System for Indoor Environment** carried out by Kavya C (1KG19EC049), Kavya SE (1KG19EC050), Keerthana BR (1KG19EC051), Madan C B (1KG19EC056), bonafide students of KSSEM in partial fulfillment for the award of Bachelor of Engineering in Electronics and Communication Engineering under Visvesvaraya Technological University, Belgaum during the year 2022-23. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Project phase-I report and deposited in the department library. The report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

Internal Guide & Head of the Department

K. Senthil Babu
13/5/23

Dr. K Senthil Babu
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- 1 Dr. Chanda. V. Reddy
- 2 Dr. K. Senthil Babu

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K. Rama Narasimha

Dr K. Rama Narasimha
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K. Rama Narasimha
23/5/23

K. Senthil Babu
23/5/23

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

Jnana Sangama, Belagavi-590014



PROJECT REPORT

ON

IDENTIFICATION OF LEAF DISEASES USING NEURAL NETWORKS

Submitted in Partial fulfillment of the Requirements for 8th Semester

Bachelor of Engineering

in

Electronics and Communication Engineering

by

JAGARLAMUDI KAVYASREE

1KG19EC041

PAVANI POKURI

1KG19EC071

POOJA A B

1KG19EC072

SIREESHA.R

1KG19EC089

Under the Guidance

of

Prof. Sanjay Nayak

Associate Professor,

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

K.S.SCHOOL OF ENGINEERING AND MANAGEMENT BENGALURU-560109

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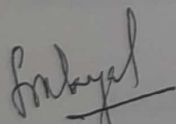


K.S. SCHOOL OF ENGINEERING AND MANAGEMENT
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

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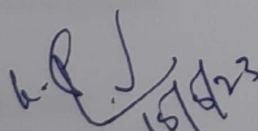
This is to certify that the Project work entitled **Identification of Leaf Diseases using Neural Networks** are carried out by **Jagarlamudi Kavyasree (1KG19EC041), Pavani Pokuri (1KG19EC071), Pooja A B (1KG19EC072), Sireesha.R (1KG1EC089)**, bonafide students of KSSEM in partial fulfillment for the award of Bachelor of Engineering in Electronics and Communication Engineering under Visvesvaraya Technological University, Belgaum during the year 2022-23. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Project phase-II report and deposited in the department library. The report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

Internal Guide



Prof. Sanjay Nayak
Associate Professor
Dept. of ECE

Head of the Department



Dr. K. Senthil Babu
Professor & Head
Dept. of ECE
Professor & Head

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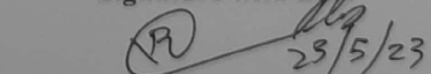
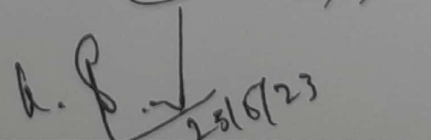
Dr. K. RAMA NARASIMHA
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S School of Engineering and Management
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Name of the Examiners

- 1 **Dr. Chanda. V. Reddy**
- 2 **Dr. K. Senthil Babu,**

Signature with Date


25/5/23

25/5/23

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

Jnana Sangama, Belagavi-590014



PROJECT REPORT

ON

IMPLEMENTATION OF PROTOTYPE FOR CAR ACCIDENT DETECTION

Submitted in Partial fulfillment of the Requirements for 8th Semester

Bachelor of Engineering

in

Electronics and Communication Engineering

by

ANKUSH B L

1KG19EC007

DHUREEN L

1KG19EC028

GAGAN SAGAR K M

1KG19EC031

HARISH KAYSHYAP

1KG19EC038

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Assistant Professor,

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K.S.SCHOOL OF ENGINEERING AND MANAGEMENT BENGALURU-560109

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

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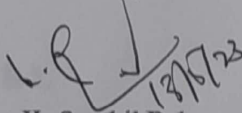
This is to certify that the Project work entitled **Implementation of Prototype for Accident Detection System** are carried out by **Ankush B L (IKG19EC007), Dhureen B L (IKG19EC028), Gagan Sagar K M (IKG19EC031), Harish Kashyap (IKG19EC038)**, bonafide students of KSSEM in partial fulfillment for the award of Bachelor of Engineering in Electronics and Communication Engineering under Visvesvaraya Technological University, Belgaum during the year 2022-23. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Project phase-II report and deposited in the department library. The report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

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18/5/23

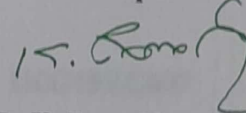
Mrs. Vijaya laxmi Kalai
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18/5/23

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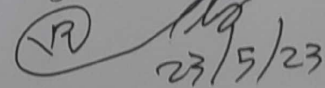
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Name of the Examiners

- 1 Dr. Chanda. V. Reddy
- 2 Dr. K. Senthil Babu.

Signature with Date


23/5/23


23/5/23

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

Jnana Sangama, Belagavi-590014



PROJECT REPORT

ON

IOT BASED SMART WAREHOUSE MONITORING SYSTEM

Submitted in Partial fulfillment of the Requirements for 8th Semester

Bachelor of Engineering

in

Electronics and Communication Engineering

by

MANJUNATH M

1KG19EC059

PRATHYUSHA

1KG19EC077

SHREE RAKSHA H

1KG19EC087

STEFFI K THOMAS

1KG19EC091

Under the Guidance

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K.S.SCHOOL OF ENGINEERING AND MANAGEMENT BENGALURU-560109

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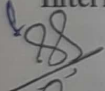


K.S. SCHOOL OF ENGINEERING AND MANAGEMENT
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

CERTIFICATE

This is to certify that the Project work entitled **IoT Based Smart Warehouse Monitoring System** are carried out by **Manjunath M (1KG19EC059), Prathyusha (1KG19EC077), Shree Raksha H (1KG19EC087), Steffi K Thomas (1KG19EC091)**, bonafide students of KSSEM in partial fulfillment for the award of Bachelor of Engineering in Electronics and Communication Engineering under Visvesvaraya Technological University, Belgaum during the year 2022-23. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Project phase-II report and deposited in the department library. The report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

Internal Guide


Swati Saitan
Mrs. Deepa R Bhangal
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Head of the Department

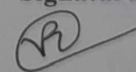

Dr. K. Senthil Babu
Professor & Head
Dept. of ECE
Professor & Head
Dept. of Electronics & Communication Engineering
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Principal


Dr K. Rama Narasimha
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Bangalore - 560 109

Name of the Examiners

- 1 **Dr. Chanda. V. Reddy**
- 2 **Dr. K. Senthil Babu.**

Signature with Date

24/5/23


24/5/23