

# MANGALORE UNIVERSITY

(Accredited by NAAC)

DEPARTMENT OF COMPUTER SCIENCE

JNANA KAVERI PG CENTRE,

CHIKKA ALUVARA, KODAGU-571232

## CERTIFICATE

This is to certify that the project entitled "Sign Learning Application for Physically Impaired People", has been successfully carried out by DEEKSHITH K D (Reg No:203971387101), a student of fourth semester M.Sc. in computer science under the supervision and guidance of Mr. GAGAN H.S, Department of Computer Science, Mangalore University, Jnana Kaveri PG Center Chikka Aluvara-571232. This project is submitted in partial fulfillment for the award of Degree in Master of Science in Computer Science by Mangalore University during the academic year 2021-2022

*Gagan H.S*  
22/11/22  
Internal Guide

*[Signature]*  
Internal Examiner

*[Signature]*  
Coordinator

Department of Computer Science  
Mangalore University  
Jnana Kaveri, Post Graduate Centre, Chikka Aluvara- 571232,  
P.O.No:19, Chikhalnagar (Post)  
Chikhalnagar Taluk, Kodagu (District)

External Examiner

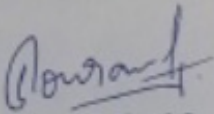
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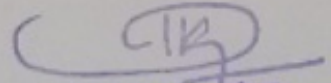
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**DEPARTMENT OF COMPUTER SCIENCE**  
**JNANA KAVERI PG CENTRE,**  
**CHIKKA ALUVARA, KODAGU-571232**

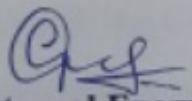
**CERTIFICATE**

This is to certify that the project entitled "**Heart Attack Disease Prediction Using Machine Learning**" has been successfully carried out by **DHANUSH W N** (Reg No: 203971387102), a student of Fourth semester M.Sc. in computer science under the supervision and guidance of **Mr. GOURANG BAGH**, Department of Computer Science, Mangalore University, Jnana Kaveri PG Center, Chikka Aluvara-571232. This project is submitted in partial fulfillment for the award of **Degree in Master of Science in Computer Science** by Mangalore University during the academic year 2021-2022

  
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**Co-Ordinator**  
Department Of Computer Science  
Mangalore University

Jnana Kaveri, Post Graduate Centre, Chikka Aluvara- 571232  
P.B.No19, Thalainagar (Post)  
Somwarpet (Tq), Kodagu (District)

  
**Internal Examiner**

**External Examiner**

Submitted for Viva-examination held on.....**03/12/22**.....



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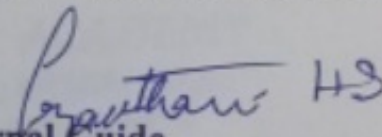
DEPARTMENT OF COMPUTER SCIENCE

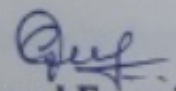
JNANA KAVERI PG CENTRE,

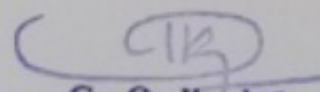
CHIKKA ALUVARA, KODAGU-571232

**CERTIFICATE**

This is to certify that the project entitled "Medicinal plant leaf identification using Deep learning" has been successfully carried out by **HARSHITH B A** (Reg No: 203971387103), a student of Fourth semester M.Sc. in computer science under the supervision and guidance of **Mrs. GOUTHAMI H S**, Department of Computer Science, Mangalore University, Jnana Kaveri PG Center, Chikka Aluvara-571232. This project is submitted in partial fulfillment for the award of **Degree in Master of Science in Computer Science** by Mangalore University during the academic year 2021-2022

  
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Co-Ordinator

Department Of Computer Science  
Mangalore University

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P.B.No19, Chikhalnagar (Post)  
Somwarpet (Tq. Kodagu (District))

External Examiner

Submitted for Viva-examination held on..... 03/19/22 .....

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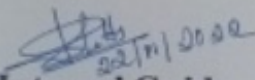
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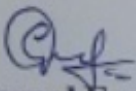
JNANA KAVERI PG CENTRE,

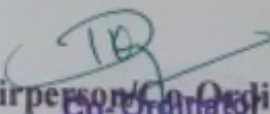
CHIKKA ALUVARA, KODAGU-571232

## CERTIFICATE

This is to certify that the major project entitled "Stock Price Prediction using Machine Learning" has been successfully carried out by **KARISHMA SUDHEER** (Reg No:203971387104), student of fourth semester M.Sc. in Computer science under the supervision and guidance of **Mrs. LEENSHITHA D**, Department of Computer Science, Mangalore University, Jnana Kaveri PG Centre, Chikka Aluvara-571232. This project is submitted in partial fulfillment for the award of Degree in Master of Science in Computer Science by Mangalore University during the academic year 2021-2022.

  
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Internal Examiner

  
Chairperson/Co-Ordinator

Department of Computer Science  
Mangalore University

Jnana Kaveri, Post Graduate Centre, Chikka Aluvara-571232

PG.No.19, 1st Floor

Somnathpur, Kodagu (Dist.KG)

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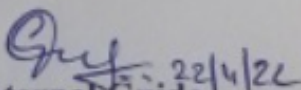
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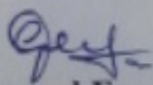
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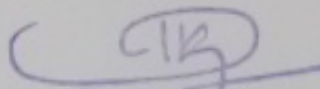
CHIKKA ALUVARA, KODAGU-571232

## CERTIFICATE

This is to certify that the project entitled "**Prediction of effective rainfall and crop water needs using data mining**", has been successfully carried out by **KAVERAMMA S.B** (Reg No: 203971387105), a student of Fourth semester M.Sc. in Computer science under the supervision and guidance of **Mr. GAGAN H.S.** Department of Computer Science, Mangalore University, Jnana Kaveri PG Center, Chikka Aluvara-571232. This project is submitted in partial fulfillment for the award of **Degree in Master of Science in Computer Science** by **Mangalore University** during the academic year 2021-2022

  
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Co-Ordinator  
Department Of Computer Science  
Mangalore University  
Jnana Kaveri, Post Graduate Centre, Chikka Aluvara- 571232,  
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Somwarpet (Tq. Kodagu (District))

External Examiner

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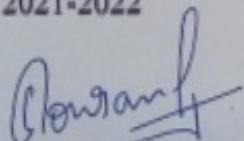
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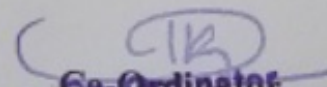
JNANA KAVERI PG CENTRE,

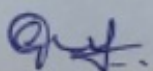
CHIKKA ALUVARA, KODAGU-571232

## CERTIFICATE

This is to certify that the project entitled "Combining Data Owner-side and Cloud-side Access Control for Encrypted Cloud Storage" has been successfully carried out by **MANJUSHREE G C** (Reg No: 203971387106), a student of Fourth semester M.Sc. in computer science under the supervision and guidance of **Mr. GOURANGA BAGH**, Department of Computer Science, Mangalore University, Jnana Kaveri PG Center, Chikka Aluvara-571232. This project is submitted in partial fulfillment for the award of **Degree in Master of Science in Computer Science** by Mangalore University during the academic year 2021-2022

  
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**Co-Ordinator**  
Department Of Computer Science  
Mangalore University  
Jnana Kaveri, Post Graduate Centre, Chikka Aluvara- 571232, ..  
P.B.No19, .., Chikhalnagar (Post)  
Sowwarpot (Tq. Kodagu (District), ..

  
**Internal Examiner**

**External Examiner**

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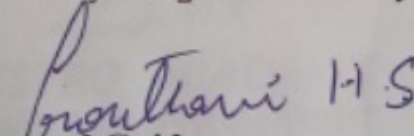
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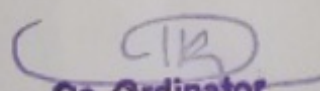
JNANA KAVERI PG CENTRE,

CHIKKA ALUVARA, KODAGU-571232

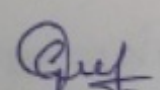
**CERTIFICATE**

This is to certify that the project entitled "Predictive Construction Model for Cotton Yield Using Machine Learning", has been successfully carried out by NAGAVENI M S (RegNo:203971387107), a student of FOURTH semester M.Sc. in computer science under the supervision and guidance of Mrs. GOUTHAMI H S, Department of Computer Science, Mangalore University, Jnana Kaveri PG Centre, Chikka Aluvara-571232. This project is submitted in partial fulfillment for the award of Degree in Master of Science in Computer Science by Mangalore University during the academic year 2021-2022

  
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Department Of Computer Science  
Mangalore University

Jnana Kaveri, Post Graduate Centre, Chikka Aluvara- 571232.  
R.B.No19, V-Srinagar (Post)  
Sannarayana (Village), Kodagu (District)

  
Internal Examiner

External Examiner

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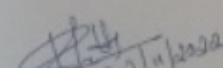
DEPARTMENT OF COMPUTER SCIENCE

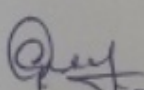
JNANA KAVERI PG CENTRE,

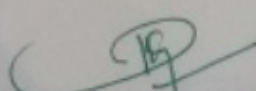
CHIKKA ALUVARA, KODAGU-571232

## CERTIFICATE

This is to certify that the major project entitled "Crime Reporting and missing person finder" has been successfully carried out by NITHIN.H (RegNo:203971387108), student of fourth semester M.Sc. in Computer science under the supervision and guidance of Mrs. LEEKSHITHA D. Department of Computer Science, Mangalore University, Jnana Kaveri PG Centre, Chikka Aluvara-571232. This project is submitted in partial fulfillment for the award of Degree in Master of Science in Computer Science by Mangalore University during the academic year 2021-2022.

  
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Internal Examiner

  
Chairperson

Department Of Computer Science  
Mangalore University  
Jnana Kaveri, Post Graduate Centre, Chikka Aluvara- 571232,  
P.B.No19, Chikhalnagar (Post)  
Chikhalnagar (TQ), Kodagu (District)

External Examiner

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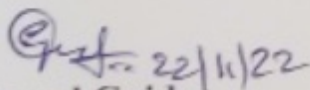
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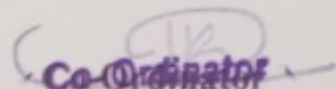
JNANA KAVERI PG CENTRE,

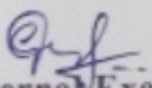
CHIKKA ALUVARA, KODAGU-571232

## CERTIFICATE

This is to certify that the project entitled "Crypto, cloud : Secure and expressive data access control for cloud storage", has been successfully carried out by POOJA K R (Reg No: 203971387109), a student of Fourth semester M.Sc. in Computer science under the supervision and guidance of Mr. GAGAN H.S. Department of Computer Science, Mangalore University, Jnana Kaveri PG Center, Chikka Aluvara-571232. This project is submitted in partial fulfillment for the award of Degree in Master of Science in Computer Science by Mangalore University during the academic year 2021-2022

  
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Department Of Computer Science  
Mangalore University  
Jnana Kaveri PG Centre, Chikka Aluvara- 571232,  
Kodagu (Dist)

  
Internal Examiner

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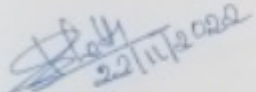
DEPARTMENT OF COMPUTER SCIENCE

JNANA KAVERI PG CENTRE,

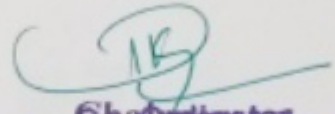
CHIKKA ALUVARA, KODAGU-571232

## CERTIFICATE

This is to certify that the major project entitled "Sound Classification using Machine Learning", has been successfully carried out by POONAM C SINGH (Reg No:203971387101), a student of third semester M.Sc. in computer science under the supervision and guidance of Mrs. LEEKSHITHA D, Department of Computer Science, Mangalore University, Jnana Kaveri PG Center Chikka Aluvara-571232. This project is submitted in partial fulfillment for the award of Degree in Master of Science in Computer Science by Mangalore University during the academic year 2021-2022.

  
22/11/2022  
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Coordinator

Department Of Computer Science  
Mangalore University  
Jnana Kaveri, Post Graduate Centre ,Chikka Aluvara- 571232  
P.B.No19, Vishalnagar (Post)  
Channarayana (Taluk, Kodagu (District))

External Examiner

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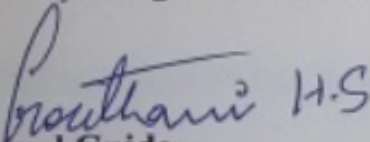
DEPARTMENT OF COMPUTER SCIENCE

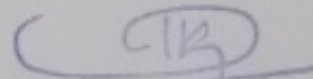
JNANA KAVERI PG CENTRE,

CHIKKA ALUVARA, KODAGU-571232

## CERTIFICATE

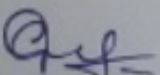
This is to certify that the project entitled "**Prediction of Sunflower Yield Using Machine Learning Algorithms**", has been successfully carried out by **PRATHIBHA G P** (Reg No:203971387111), a student of Fourth semester M.Sc. in computer science under the supervision and guidance of Mrs. **GOUTHAMI H.S.** Department of Computer Science, Mangalore University, Jnana Kaveri PG Center Chikka Aluvara-571232. This project is submitted in partial fulfilment for the award of Degree in Master of Science in Computer Science by Mangalore University during the academic year 2021-2022

  
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Co-Ordinator

Department Of Computer Science  
Mangalore University

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Internal Examiner

External Examiner

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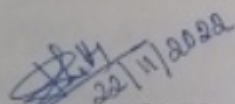
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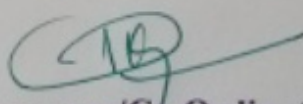


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DEPARTMENT OF COMPUTER SCIENCE  
JNANA KAVERI PG CENTRE,  
CHIKKA ALUVARA, KODAGU-571232

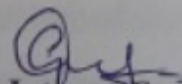
## CERTIFICATE

This is to certify that the mini project titled "Expense Manager Using Mobile App" has been successfully carried out by **PRIYANKA H S** (Reg No: 203971387112), a student of third semester M.Sc. in computer science under the supervision and guidance of Mrs. **LEEKSHITHA D**, Department of Computer Science, Mangalore University, Jnana Kaveri PG Center Chikka Aluvara-571232. This project is submitted in partial fulfillment for the award of **Degree in Master of Science in Computer Science** by Mangalore University during the academic year 2021-2022

  
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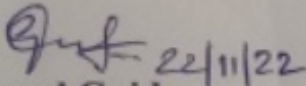
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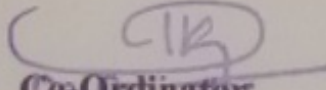
JNANA KAVERI PG CENTRE,

CHIKKA ALUVARA, KODAGU-571232

## CERTIFICATE

This is to certify that the project entitled "Integrated Utility Services", has been successfully carried out by SAFREENA M A (Reg No: 201971387113), a student of Fourth semester M.Sc. in Computer science under the supervision and guidance of Mr. GAGAN H S, Department of Computer Science, Mangalore University, Jnana Kaveri PG Center, Chikka Aluvara-571232. This project is submitted in partial fulfillment for the award of Degree in Master of Science in Computer Science by Mangalore University during the academic year 2021-2022

  
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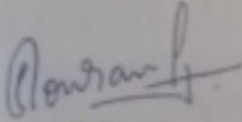
DEPARTMENT OF COMPUTER SCIENCE

JNANA KAVERI PG CENTRE,

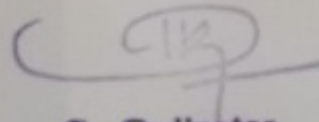
CHIKKA ALUVARA, KODAGU-571232

## CERTIFICATE

This is to certify that the project entitled "Smart Intelligent Traffic Monitoring Using ML", has been successfully carried out by SANGAM T.D. (Reg No: 203971387114), a student of Fourth semester M.Sc. in Computer science under the supervision and guidance of Mr. GOURANGA BAG, Department of Computer Science, Mangalore University, Jnana Kaveri PG Center, Chikka Aluvara-571232. This project is submitted in partial fulfillment for the award of Degree in Master of Science in Computer Science by Mangalore University during the academic year 2021-2022



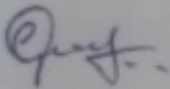
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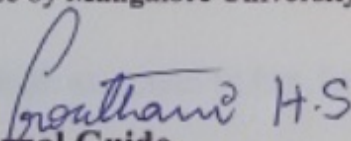


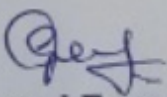
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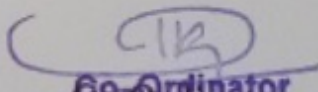
DEPARTMENT OF COMPUTER SCIENCE  
JNANA KAVERI PG CENTRE,  
CHIKKA ALUVARA, KODAGU-571232

**CERTIFICATE**

This is to certify that the project entitled "Unemployment Rate Prediction in India Using Various Factors in Machine Learning" has been successfully carried out by SHOBHITH A N (RegNo: 203971387115), a student of Fourth semester M.Sc. in computer science under the supervision and guidance of Mrs. GOUTHAMI H S, Department of Computer Science, Mangalore University, Jnana Kaveri PG Center, Chikka Aluvara-571232. This project is submitted in partial fulfillment for the award of Degree in Master of Science in Computer Science by Mangalore University during the academic year 2021-2022.

  
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Internal Examiner

  
Co-Ordinator  
Department Of Computer Science  
Mangalore University  
Jnana Kaveri, Post Graduate Centre, Chikka Aluvara- 571232  
P.B.No19, V-shalnagar (Post)  
Sewwarpet Taluk, Kodagu (District)

External Examiner

Submitted for Viva-examination held on.....03/12/22.....

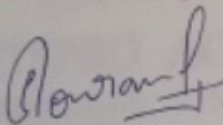
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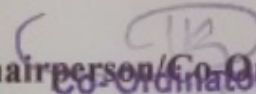


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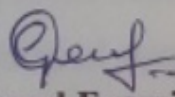
## CERTIFICATE

This is to certify that the main project titled "Vehicle Insurance Fraud Detection" has been successfully carried out by **SRIGANDH ITHIAAS** (RegNo:203971387116), a student of fourth semester M.Sc. in computer science under the supervision and guidance of **Mr. Gouranga Bagh**, Department of Computer Science, Mangalore University, Jnana Kaveri PG Center Chikka Aluvara-571232. This project is submitted in partial fulfillment for the award of **Degree in Master of Science in Computer Science** by **Mangalore University** during the academic year 2021-2022

  
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**Chairperson/Co-Ordinator**

Department Of Computer Science  
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**Internal Examiner**

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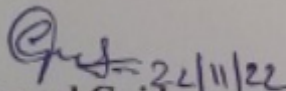
DEPARTMENT OF COMPUTER SCIENCE

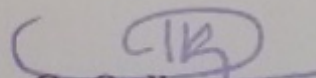
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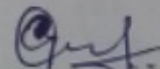
## CERTIFICATE

This is to certify that the project entitled, "Fatcount-an artificial intelligence-based fat management system" has been successfully carried out by SUKSHITHA H N (Reg No: 203971387117), a student of Fourth semester M.Sc. in computer science under the supervision and guidance of Mr. GAGAN H.S, Department of Computer Science, Mangalore University, Jnana Kaveri PG Center, Chikka Aluvara-571232. This project is submitted in partial fulfillment for the award of Degree in Master of Science in Computer Science by Mangalore University during the academic year 2021-2022

  
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Internal Examiner

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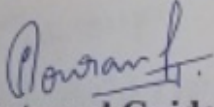
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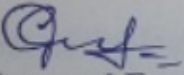
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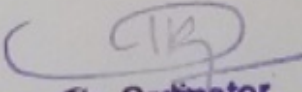
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**JNANA KAVERI PG CENTRE,**  
**CHIKKA ALUVARA, KODAGU-571232**

**CERTIFICATE**

This is to certify that the mini project entitled "Detecting phishing Website using Machine Learning", has been successfully carried out by **SUSHMITHA K. S** (Reg No:203971387118), a student of third semester M.Sc. in computer science under the supervision and guidance of **Mr. GOURANGA BAGH**, Department of Computer Science, Mangalore University, Jnana Kaveri PG Center Chikka Aluvara-571232. This project is submitted in partial fulfillment for the award of **Degree in Master of Science in Computer Science** by Mangalore University during the academic year 2021-2022

  
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**Internal Examiner**

  
**Co-Ordinator**

**Department Of Computer Science**  
**Mangalore University**  
**Jnana Kaveri, Post Graduate Centre, Chikka Aluvara- 571232**  
**P.B.No19, Vishalnagar (Post)**  
**Somwarpet (Tq), Kodagu (District)**

**External Examiner**

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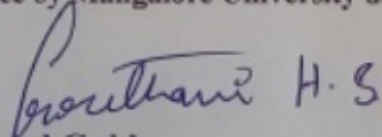
DEPARTMENT OF COMPUTER SCIENCE

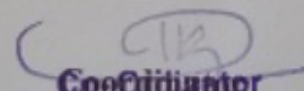
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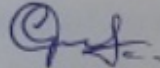
**CERTIFICATE**

This is to certify that the project entitled "Road Accident Prediction Using Machine Learning" has been successfully carried out by **THANYA HARISH** (RegNo:203971387119), a student of Fourth semester M.Sc. in computer science under the supervision and guidance Of Mrs. **GOUTHAMI H.S.**, Department of Computer Science, Mangalore University, Jnana Kaveri PG Center Chikka Aluvara-571232. This project is submitted in partial fulfillment for the award of Degree in Master of Science in Computer Science by Mangalore University during the academic year 2021-2022

  
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Mangalore University

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Somwarpet (Tq), Kodagu (District), K.

  
Internal Examiner

External Examiner

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