NATIONAL COLLEGE

(Affiliated to University of Kerala)

Manacaud P.O, Thiruvananthapuram

DEPARTMENT OF COMPUTER SCIENCE

CERTIFICATE

Certified that this report entitled "PREDICTION OF HEART DISEASE USING MACHINE LEARNING" is a bonafide record of project work done by **AMINA ASLAM (Reg No:32020807006) and VAISHNAVI M M (Reg No: 32020807034)** towards the partial fulfilment of the requirements for the award of the degree in sixth semester B.Sc. Computer Science under the University of Kerala, during the academic year 2020 - 23.

Mrs. Divya M
Internal Guide

Ms. Allwin D.
Head of the Department

Examiners
1.
2.

Dr. S A Shajahan.
Principal

No............................

Date : ..1.1./.0.5./.2.0.2.3..

CERTIFICATE

This is certify that the project entitled "Effective Heart Disease Prediction Using Hybrid Machine Learning Techniques "is bonafide record of the work done at our Institution by **Amina Aslam (Reg No. 32020807006) and Vaishnavi M M (Reg No. 32020807034)** studying in **National College, Maanacaud** in partial fulfillment of the requirement for the award of **BSc** degree of **Computer Science,6th Semester from Kerala University** during the period from **02/01/2023 to 04/05/2023**.The matter contained in the dissertation has not been submitted for the award of any other degree.

We wish all success in future endeavours

Principal

Dr. A.K Gopalakrishnan Nair
Prof (D:) A.K Gopalakrishnan Nair

Project Director

K.K Krishna Kumar

NATIONAL COLLEGE

(Affiliated to University of Kerala)

Manacaud PO, Thiruvananthapuram - 695009

DEPARTMENT OF COMPUTER SCIENCE

CERTIFICATE

Certified that this report entitled "**DRIVER DROWSINESS DETECTION SYSTEM**" is a bonafide record of project work done by **AAKASH G.S (Reg No: 32020807001),AMAL NAIR A.S (Reg No: 32020807005),ARJUN K (Reg No: 32020807009) and PRANAV ANIL (Reg No: 320208070250)**towards the partial fulfilment of the requirements of the sixth semester B.Sc. Computer Science degree of University of Kerala during the academic year 2020-23

Mrs. Ranjini Mupra P

Internal Guide

Dr. Allwin D.

Head of the Department

Examiners

1.

2.

Dr. S.A Shajahan

Principal

15-05-2023

Certificate

This is to certify that the project entitled **Driver Drowsiness Detection System** front end **HTML, CSS, JAVASCRIPT, BOOTSTRAP** and backend **PYTHON, FLASK, MYSQL, DBSQLITE** is a bonafide record of the work done at our project centre by

Mr. Aakash G. S (Reg No:32020807001)

Mr. Amal Nair A.S (Reg No:32020807005)

Mr. Arjun K (Reg No:32020807009)

Mr. Pranav Anil (Reg No:32020807025)

studying in **National College Ambalathara Trivandrum** in partial fulfillment of the requirements for the Award of the degree of **BSc Computer Science, 6th Semester** from **Kerala university** during the period from **December 2022 to March 2023**. The matter contained in the dissertation has not been submitted for the award of any other degree.

We wish all success in his career.

For Perfect hand solution

Santhi B

Managing Director

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Manacaud PO, Thiruvananthapuram - 695009

DEPARTMENT OF COMPUTER SCIENCE

CERTIFICATE

Certified that this report entitled "**Parking Slot Management System**" is a bonafide record of project work done by **ARUN SHANKAR S (32020807010), BHAGATH JV (32020807015), GOKUL G (32020807017), KARAN SREYAS (32020807020)** towards the partial fulfilment of the requirements of the sixth semester B.Sc. Computer Science degree of University of Kerala during the academic year 2022- 23.

Mrs.Divya M
Internal Guide

Dr. Allwin D
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11.05.2023

Certificate

This is to certify that the project entitled **Parking Slot Management System** front end **PYTHON** and back end **MYSQL** is a bonafide record of the work done at our company by

Mr. Arun Shankar S	**(Reg No: 32020807010)**
Mr. Bhagath J V	**(Reg No: 32020807015)** ,
Mr. Gokul G	**(Reg No: 32020807017)**
Mr.Karan Sreyas	**(Reg No: 32020807020)**

studying in **National College, Ambalathara Trivandrum** in partial fulfillment of the requirements for the award of the degree of **BSc Computer Science, 6ᵗʰ Semester** from **Kerala University** during the period from **January 2023 to May 2023.** 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

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DEPARTMENT OF COMPUTER SCIENCE

CERTIFICATE

Certified that this report entitled "**E VOTING FOR CAMPUS ELECTION**" is a bonafide record of project work done by **Ibrahim A R (Reg.no:32020807019), Shyam K (Reg.no:32020807033), Shiva M G(Reg.no:32020807032) and R L Narayanan (Reg.no:32020807027)** under the guidance towards partial fulfillment of requirements for award of the degree of B.Sc(Computer Science) of the University of Kerala.

Dr. Allwin D

PROJECT GUIDE

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Certificate

This is to certify that the project entitled **E-Voting for Campus Election** front end **PYTHON** and back end **MYSQL** is a bonafide record of the work done at our company by

Mr. Ibrahim A R	**(Reg No: 32020807019)**
Mr. R L Narayanan	**(Reg No: 32020807027)**
Mr. Shiva M G	**(Reg No: 32020807032)**
Mr. Shyam K	**(Reg No: 32020807033)**

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For Trinity Software Technologies

Jerin Mathew

Manager

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DEPARTMENT OF COMPUTER SCIENCE

CERTIFICATE

Certified that this report entitled "SAFE SPACE" is a bonafide record of project work done by **Amina Nizam N (Reg.no:32020807007), Lekshmi J (Reg.no:32020807022)** and **Shifana RS (Reg.no:32020807031)** under the guidance towards partial fulfillment of requirements for award of the degree of B.Sc(Computer Science) of the University of Kerala.

Dr. Allwin D

PROJECT GUIDE

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Certificate

This is to certify that the project entitled **Safe Space** front end **PYTHON** and back end **MYSQL** is a bonafide record of the work done at our company by

Ms.Amina Nizam N	**(Reg No: 32020807007)**
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We wish all success in their career.

For Trinity Software Technologies

Jerin Mathew

Manager

Wings to your Career

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DEPARTMENT OF COMPUTER SCIENCE

CERTIFICATE

Certified that this report entitled "**IOT BASED AGRICULTURE FARM**" is a bonafide record of project work done by **ADITHYAN A S (Reg No:32020807004), ASWIN VINU (Reg No:32020807013), VYBHAVE R (Reg No:32020807036)** and **SHARON SATHEESH (Reg No:32020807030)**, towards the partial fulfilment of the requirements of the sixth semester B.Sc. Computer Science degree of University of Kerala during the academic year 2020-23.

Mrs. Shabnam S
Internal Guide

Dr. Allwin D
Head Of The Department

Examiners

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2.

Dr. S A SHAJAHAN
Principal

11.05.2023

Certificate

his is to certify that the project entitled **IOT Based Agriculture Farm** ront end **PYTHON** and back end **MYSQL** is a bonafide record of the work one at our company by

Mr. Adithyan A S	**(Reg No: 32020807004)**
Mr. Sharon Satheesh	**(Reg No: 32020807030)**
Ms. Vybhave R	**(Reg No: 32020807036)**
Mr. Aswin Vinu	**(Reg No: 32020807013)**

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We wish all success in their career.

For Trinity Software Technologies

Jerin Mathew

Manager

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DEPARTMENT OF COMPUTER SCIENCE

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CERTIFICATE

Certified that this report entitled "E-COMMERCE BARGAIN CHAT BOT" is a bonafide record of project-work done by **Ashik A (Reg no:32020807011),Bharat Mohan M R (Reg no:32020807016),Pranav P (Reg no:32020807026),Vidhun Vijay (Reg no:32020807035)** towards the partial fulfilment of the requirements of the sixthsemester B.Sc. Computer Science degree of University of Kerala during theacademic year 2022- 23.

Mrs. BincyB S

Internal Guide

Dr. Allwin D

Head of The Department

Examiners

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Dr. S A SHAJAHAN

Principal

15-05-2023

Certificate

This is to certify that the project entitled **Ecommerce Bargaining Chatbot** front end **HTML, CSS, JAVASCRIPT, BOOTSTRAP** and backend **PYTHON, FLASK, MYSQL** is a bonafide record of the work done at our project centre by

Mr. Ashik A (Reg No:32020807011)

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We wish all success in his career.

For Perfect hand solution

Santhi B

Managing Director

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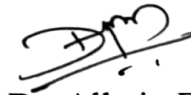## CERTIFICATE

Certified that this report entitled "**REAL ESTATE**" is a bonafide record of project work done by **AARZOO B R (Reg No:32020807002),AYSHA FAHMA F (Reg No:32020807014),H FATHIMA MOL (Reg No:32020807018)** and **SAFA SHEREEF (Reg No:32020807028)** , towards the partial fulfilment of the requirements of the sixth semester B.Sc. Computer Science degree of University of Kerala during the academic year 2022- 23.

Mrs.Ragini.U
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Dr. Allwin D.
Head of the Department

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11.05.2023

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This is to certify that the project entitled **Real Estate** front end **PYTHON** and back end **MYSQL** is a bonafide record of the work done at our company by

Ms.Aarzoo B R	**(Reg No: 32020807002)**
Ms.Aysha Fahma F	**(Reg No: 32020807014)**
Ms.H Fathima Mol	**(Reg No: 32020807018)**
Ms.Safa Shereef	**(Reg No: 32020807028)**

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We wish all success in their career.

For Trinity Software Technologies

Jerin Mathew

Manager