NEW HORIZON COLLEGE OF ENGINEERING
DEPARTMENT OF COMPUTER ENGINEERING
Course Name:Project Phase -II Course Code: 20CEE83A AY: 2023 - 24 even
(Batch 2020 – 24)

Batch No	Dept. Name	Student Name	USN	Internal / External	Guide Name	Co-Guide Name	Project Title
1	CE	Sivani reddy k	1NH20CE049	Internal	Dr.C.R.Rathish / CE	Dr S Sivaramakrishnan / ISE	Detecting Dangerous Pests in Farms using Deep Learning
	CE	E Vanaja	1NH20CE012				
	ISE	Yuvaraj K N	1NH20IS170				
	ISE	Sudharshan R	INH201S188				
2	CE	Adnan Azam	1NH20CE065	Internal	Mr.Rahul.B / CE	Mr. Chandan Raj B R / CE	Sign Language Translation using LSTM
	CE	Raksha Holla A	1NH20CE036				
	CE	P Sai Kiran	1NH20CE064				
3	CE	Revappa	1NH20CE037	Internal	Dr.T.Kavitha / CE	Dr.C.R.Rathish / CE	FingerPrintInsight: Unveiling Crime Pattern through Deep Fingerprint Analysis
	CE	Sachin B Handiganur	1NH20CE038				
	CE	Sachin Y M	1NH20CE039				
	CE	Sumit S Purandare	1NH20CE052				
4	CE	Kammara Trivikram	1NH20CE022	Internal	Dr.T.Kavitha / CE	Mr.Rahul.B / CE	Disease Prediction Using Machine Learning
	CE	Manobhi Ram Reddy B	1NH20CE026				
	CE	Shashank S	1NH20CE045				
	CE	Sushmitha H	1NH20CE053				

	CE	Dhimant	1NH20CE011	Internal	Mr. Chandan Raj B R / CE	Ms. Mehda B / CE	
	CE	Ganya	1NH20CE013				CNN based Crowd Detection using Rashberry Pi
5	CE	Grishma	1NH20CE014				
	CE	Toshit G	1NH20CE054	Internal	Dr.S.P.Manikandan / CE	Dr B.MeenakhiSundaram / CSE	
	CE	Apeksha Sawarn	1NH20CE003				Distrubuted Deep Learning through Serverless Peer-to-Peer Architecture
6	CE	Sarthak Rai	1NH20CE042				
	CSE	Abhishekh Sahoo	INH20CS008				
	CE	Krishnam Parasurampuriya	1MH20CE024	Internal	Mr. Chandan Raj B R / CE	Dr.S.P.Manikandan / CE	
	CE	Pranay	1MH20CE032				Bridging Gap with Real Time Hybrid Multilinguism
7	CE	Ankit Oli	1NH20CE002				
	CE	Rahul	1NH20CE035				
	CE	Himanshu Prasad	1NH20CE017	Internal	Mr.Rahul.B / CE	Dr.T.Kavitha / CE	
	CE	Ishita Chauhan	1NH20CE018				Two-Wheeler Helmet and Number Plate Detection System
8	CE	Sumeetkumar Savadatti	1NH20CE051				
	CE	Vishwathika M	1NH20CE062				
	CE	Aravind Aripaka	1NH20CE004	Internal	Dr.S.P.Manikandan / CE	Dr.T.Kavitha / CE	
	CE	Krish Tundiya	1NH20CE055				Crypto Trading Eco System
9	CE	Harshchand V	1NH20CE058				
	CE	Vaibhav C	1NH20CE059				

10	CE	Darshna B	1NH20CE009	Internal	Ms. Shwetha A N / CE	Dr Bopanna KD/ ME	Detection of Autism Spectrum Disorder using Machine Learning
	CE	Omini Rao N	1NH20CE029				
	ME	Musunur Kumar Venkat	1NH20ME075				
	ME	Prajwal	1NH20ME085				
11	CE	Charitha N	1NH20CE007	Internal	Ms. Mehda B / CE	Mr Raghu Tilak Reddy / ME	Voice based Stress Analysis using ML
	CE	Kanisha S	1NH20CE023				
	ME	Nikhil Kumar	1NH20ME035				
	ME	Vishnu	1NH20ME119				
12	CE	Harshavardhan G N	1NH20CE016	Internal	Dr.C.R.Rathish / CE	Dr.T.Kavitha / CE	Machine Learning for Predictive Analytics in Finance
	CE	Gujju Gopi Krishna Reddy	1NH20CE015				
	CE	Koushik Reddy	1NH20CE020				
	CE	Jayanth Kumar Reddy	1NH20CE060				
13	CE	Dananjaya s	1NH20CE008	Internal	Ms. S Pramila / CE	Dr.C.R.Rathish / CE	Kindle Bot Cruiser Using IoT
	CE	K.M Vinod Kumar	1NH20CE021				
	CE	Noothan D.C Gowda	1NH20CE030				
	CE	Chandan Kumar Behera	1NH20CE006				
14	CE	Melbin Biju	1NH20CE027	Internal	Ms. Roja R / CE	Dr.T.Kavitha/ CE	Fake Profile Detection in Social Media using Deep Learning
	CE	Alistair Kissinger	1NH20CE067				
	CE	Prince Enoch	1NH20CE068				
	CE	Sanjay G	1NH20CE040				

15	ME	Krishana	1NH20ME057	Internal	Mr SunilPrashanth Kumar / ME	Mr.Rahul.B / CE	Improvising Voice Recognition Technique using AIML
	ME	Lalith V	1NH20ME060				
	CE	Anand Kumar	1NH20CE001				
	CE	Shivam Anand	1NH20CE046				
16	CE	Heena Kouser	1NH20CE044	Internal	Ms. Shwetha A N / CE	Dr.T.Kavitha / CE	Student Analyzer and Recommender
	CE	Namitha	1NH20CE400				
17	ISE	Akash Sen	1NH20IS009	Internal	Mr Sudhakar Dabbiru / ISE	Ms. S Pramila / CE	Fitness Tracker
	ISE	Partha Sen	1NH20IS108				
	ISE	Chaitanya bhardwaj	1NH20IS201				
	CE	Sandeep Hukum Danai	1NH20CE066				
18	CE	Athira M	1NH20CE005	Internal	Ms. Roja R / CE	Dr.S.P.Manikandan / CE	RLHash Net: Deept Reinforcement Learning for image Hash Code Generation
	CE	Anushka	1NH20CE019				
	CE	Dhanush Y J	1NH20CE010				
19	CE	Sudar	1NH20CE050	Internal	Ms. Mehda B / CE	Mr. Chandan Raj B R / CE	Hybrid Drone
	CE	Ravi B	1NH21CE401				
	CE	Sanjay Sahil Sahir	INH20CE041				

20	AIML	Pallavi Sharma	INH20AI074	Internal	Ms Jimsha K / AIML	Ms. Mehda B	Care Compass
	AIML	Prasanna Kotyal	INH20AI079				
	AIML	Smirna Paul	INH20AI088				
	CE	Shadab Khan	1NH20CE043				
21	CE	Mohammed Adnan Khan	1NH20CE028	Internal	Dr.T.Kavitha / CE	Dr.S.P.Manikandan / CE	Visual to Audio on Edge for Visually disabled
	CE	Shreesha J M	1NH20CE047				
22	CE	Utkarsh Srivastava	1NH20CE056	Internal	Mr. Chandan Raj B R / CE	Mr.Rahul.B / CE	Home Connect IoT Appliance Management System
	CE	Kumar Aditya	1NH20CE025				
	CE	Uzair Surkhi	1NH20CE057				
23	CE	Priyanshu Roy	1NH20CE033	Internal	Dr.C.R.Rathish / CE	Dr Soniya Mariya / AIML	A novel based approach of Home Automation system for constrained edge IoT devices
	AIML	Vinay Krishnan	1NH20AI138				
	AIML	Tarun S	1NH20AI108				
	AIML	Kavya S	1NH20AI047				
24	ISE	Harshith	1NH20IS190	Internal	Dr S Sivaramakrishnan/ ISE	Dr.C.R.Rathish / CE	Tuberculosis and pneumoia detection using chest X-ray
	ISE	Shridhar gavadi	1NH21IS415				
	CE	R Manasa	1NH20CE034				
	CE	M Pavana	1NH20CE031				

NEW HORIZON COLLEGE OF ENGINEERING

Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC
Accredited by NAAC with 'A' Grade, Accredited by NBA

A PROJECT PHASE-2 REPORT

ON

INTERDISCIPLINARY PROJECT TITLED

"DETECTING DANGEROUS PESTS IN FARMS USING DEEP LEARNING "

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING	BACHELOR OF ENGINEERING
IN	IN
COMPUTER ENGINEERING	INFORMATION SCIENCE AND ENGINEERING
BY	BY
E.VANAJA - 1NH20CE012	YUVARAJ.K.M - 1NH20IS170
SIVANI REDDY.K - 1NH20CE049	SUDHARSHAN.R - 1NH20IS188

Under the guidance of
Dr.C.R.RATHISH
Associate Professor

Under the guidance of
Dr.SIVARAMAKRISHNAN.S
Associate Professor

Academic Year: 2023-24

DEPARTMENT OF COMPUTER ENGINEERING

CERTIFICATE

It is hereby certified that the Interdisciplinary Project Phase-II work entitled **"Detecting Dangerous Pests in Farms using Deep Learning"** is a bonafide work carried out by **E.VANAJA (1NH20CE012) and SIVANI REDDY.K (1NH20CE049)** in partial fulfilment for the award of **Bachelor of Engineering** in **COMPUTER ENGINEERING** of the New Horizon College of Engineering during the year **2023-2024.** It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

Signature of Guide

(Dr. C.R.RATHISH)

Signature of Guide

(Dr.SIVARAMAKRISHNAN.S)

Signature of HOD

(HOD-CE)

SEE Viva

Name of Examiner

1. ....

2. Dr. C.Vinothiau...............

Signature with date

....

....

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COLLEGE OF ENGINEERING

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DEPARTMENT OF COMPUTER ENGINEERING

20CEE83A

A PROJECT PHASE-2 REPORT

on

SIGN LANGUAGE TRANSLATION USING LSTM

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

in

COMPUTER ENGINEERING

by

RAKSHA HOLLA A	: 1NH20CE036
P SAI KIRAN	: 1NH20CE064
ADNAN AZAM	: 1NH20CE065

Under the guidance of

Mr. Rahul B
Assistant Professor
Department of CE

2023-24

NEW HORIZON
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Accredited by NAAC with 'A' Grade & Accredited by NBA

DEPARTMENT OF COMPUTER ENGINEERING

CERTIFICATE

It is hereby certified that the Project work entitled "Sign Language Translation using LSTM" is a bonafide work carried out by RAKSHA HOLLA A (1NH20CE036), P SAI KIRAN (1NH20CE064) and ADNAN AZAM (1NH20CE065) in partial fulfilment for the award of Bachelor of Engineering in COMPUTER ENGINEERING of New Horizon College of Engineering during the year 2023-2024. The project report has been approved as it satisfies the academic requirements in respect of the project work prescribed for the said Degree.

Signature of Guide
(Mr. Rahul B)

Signature of HOD
(Dr. T Kavitha)

External Viva

Name of Examiner

1. Dr. T. Kavitha

2. Dr. Ravindra S

Signature with date

A PROJECT PHASE-2 REPORT (20CEE83A)

ON

"FINGERPRINTINSIGHT: UNVEILING CRIME PATTERN THROUGH DEEP FINGERPRINT ANALYSIS"

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

IN

COMPUTER ENGINEERING

BY

REVAPPA -1NH20CE037

SACHIN B HANDIGANUR-1NH20CE038

SACHIN Y M -1NH20CE039

SUMIT S PURANDARE-1NH20CE052

Under the guidance of

Dr. T. KAVITHA

Professor And HOD

DEPARTMENT OF COMPUTER ENGINEERING

NEW HORIZON COLLEGE OF ENGINEERING

(Autonomous Institution Affiliated to VTU & Approved by AICTE)

Accredited by NAAC 'A', Accredited by NBA

Outer Ring Road, Panathur Post, Kadubeesanahalli, Bangalore – 560103

Academic Year: 2023-24

DEPARTMENT OF COMPUTER ENGINEERING

CERTIFICATE

It is hereby certified that the Project Phase-1 work entitled **"FINGERPRINTINSIGHT: UNVEILING CRIME PATTERN THROUGH DEEP FINGERPRINT ANALYSIS"** is a bonafide work carried out by **REVAPPA(1NH20CE037), SACHIN B HANDIGANUR(1NH20CE038), SACHIN Y M(1NH20CE039), SUMIT S PURANDARE(1NH20CE052)** in partial fulfilment for the award of **Bachelor of Engineering** in **COMPUTER ENGINEERING** of New Horizon College of Engineering during the year **2023-2024.** It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

Signature of Guide
(Dr.T. Kavitha)

Signature of HOD
(Dr. T. Kavitha)

SEE VIVA VOCE

Name of Examiner

Signature with date

1. Dr. T Karthi

2. Dr. Ravindra S

NEW HORIZON
COLLEGE OF ENGINEERING

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A PROJECT PHASE-II REPORT (20CEE83A)

ON

"Disease Prediction using Machine Learning"

Submitted in partial fulfilment for the award of the degree of

BACHELOR OF ENGINEERING
IN
COMPUTER ENGINEERING
BY

KAMMARA TRIVIKRAM -1NH20CE022

MANOBHI RAM REDDY B -1NH20CE026

SHASHANK S -1NH20CE045

SUSHMITHA H -1NH20CE053

Under the guidance of

Dr. T KAVITHA
Professor and HOD

DEPARTMENT OF COMPUTER ENGINEERING
NEW HORIZON COLLEGE OF ENGINEERING
(Autonomous Institution Affiliated to VTU & Approved by AICTE)
Accredited by NAAC 'A', Accredited by NBA
Outer Ring Road, Panathur Post, Kadubeesanahalli, Bangalore – 560103

Academic Year: 2023-24

DEPARTMENT OF COMPUTER ENGINEERING

CERTIFICATE

It is hereby certified that the Project Phase-II work entitled "Disease Prediction using Machine Learning" is a bonafide work carried out by **KAMMARA TRIVIKRAM (1NH20CE022), MANOBHI RAM REDDY B (1NH20CE026), SHASHANK S (1NH20CE045), SUSHMITHA H (1NH20CE053)** in partial fulfilment of the award of **Bachelor of Engineering** in **COMPUTER ENGINEERING** from New Horizon College of Engineering during the year **2023-2024**. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

-------------------------   -------------------------
Signature of Guide   Signature of HOD
(Dr. T Kavitha)   (Dr. T Kavitha)

SEE VIVA VOCE

Name of the Examiner   Signature

1. Dr. T. Kavitha   30/5/24.
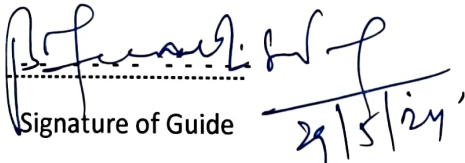
2. Dr Ravindra S   30/5/24
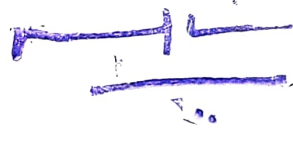
NEW HORIZON
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DEPARTMENT OF COMPUTER ENGINEERING

20CEE83A

A PROJECT REPORT

on

"CNN BASED IMPLEMENTATION OF CROWD DETECTION USING RASPBERRY PI"

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

in

COMPUTER ENGINEERING

by

DHIMANT R S: 1NH20CE011
GANYA P R: 1NH20CE013
GRISHMA S G: 1NH20CE014

Under the guidance of

Mr. CHANDAN RAJ B R
Sr. Assistant Professor Department of CE

DEPARTMENT OF COMPUTER ENGINEERING
NEW HORIZON COLLEGE OF ENGINEERING
(Autonomous Institution Affiliated to VTU & Approved by AICTE)
Accredited by NAAC 'A', Accredited by NBA
Outer Ring Road, Panathur Post, Kadubeesanahalli, Bangalore – 560103

Academic Year: 2023-2024

DEPARTMENT OF COMPUTER ENGINEERING

CERTIFICATE

It is hereby certified that the Project work entitled **"CNN BASED IMPLEMENTATION OF CROWD DETECTION USING RASPBERRY PI"** is a bonafide work carried out by DHIMANT RS (1NH20CE011), GANYA PR (1NH20CE013) and GRISHMA SG (1NH20CE014) in partial fulfilment for the award of Bachelor of Engineering in COMPUTER ENGINEERING of New Horizon College of Engineering during the year 2023-2024. The project report has been approved as it satisfies the academic requirements in respect of the project work prescribed for the said Degree.

Signature of Guide
(Mr. CHANDAN RAJ B R)

Signature of HOD
(Dr. T. KAVITHA)

External Viva

Name of Examiner

Signature with date

1. Dr. T. Kavitha

2. Dr. Ravindra S

A PROJECT PHASE-2 REPORT

ON

INTERDISCIPLINARY PROJECT TITLED

"P2P MACHINE LEARNING SERVERLESS ARCHITECTURE"

Submitted in partial fulfilment for the award of the degree of

BACHELOR OF ENGINEERING	BACHELOR OF ENGINEERING
IN	IN
COMPUTER ENGINEERING	COMPUTER SCIENCE AND ENGINEERING
BY	BY

TOSHIT G -1NH20CE054

SARTHAK RAI -1NH20CE042   ABHISHEK SAHOO -1NH20CS008

APEKSHA SAWARN -1NH20CE003

Under the guidance of   *Under the guidance of*
Dr. T Kavitha   **Dr. B Meenakshi Sundaram**
Head Of Department,   Professor,
Computer Engineering   Computer Science Engineering

Academic Year: 2023-24

DEPARTMENT OF COMPUTER SCIENCE ENGINEERING

CERTIFICATE

It is hereby certified that the Interdisciplinary Project Phase-I work entitled "**P2P MACHINE LEARNING SERVERLESS ARCHITECTURE**" is a bonafide work carried out by **ABHISHEK SAHOO (1NH20CS008)** in partial fulfilment for the award of **Bachelor of Engineering** in **COMPUTER SCIENCE AND ENGINEERING** of the New Horizon College of Engineering during the year **2023-2024**. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

Signature of Guide

(Dr. B MEENAKSHI SUNDARAM)

Signature of HOD

(HOD-CSE)

<u>**SEE Viva**</u>

Name of Examiner

1. D: Santhosh Krishn sv

2. D.r. R. loja reddy

Signature with date

A PROJECT PHASE-2 REPORT (20CEE83A)

ON

"FUSIONLEX: BRIDGING GAP WITH REAL TIME HYBRID BILINGUALISM"

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

IN

COMPUTER ENGINEERING

BY

ANKIT OLI -1NH20CE002

KRISHNAM -1NH20CE024

PRANAY -1NH20CE032

RAHUL -1NH20CE035

Under the guidance of

Mr. CHANDAN RAJ B R

Senior Assistant Professor

DEPARTMENT OF COMPUTER ENGINEERING
NEW HORIZON COLLEGE OF ENGINEERING
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Outer Ring Road, Panathur Post, Kadubeesanahalli, Bangalore – 560103

Academic Year: 2023-24

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DEPARTMENT OF COMPUTER ENGINEERING

CERTIFICATE

It is hereby certified that the Project Phase-2 work entitled **"FUSIONLEX: BRIDGING GAP WITH REAL TIME HYBRID BI LINGUALISM"** is a Bonafede work carried out by **ANKIT OLI (1NH20CE002), KRISHNAM (1NH20CE024), PRANAY (1NH20CE032), RAHUL KUMAR (1NH20CE035)** in partial fulfilment for the award of **Bachelor of Engineering** in COMPUTER ENGINEERING of New Horizon College of Engineering during the year **2023-2024**. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

Signature of Guide
(Mr. CHANDAN RAJ B R)

Signature of HOD
(Dr. T. KAVITHA)

SEE VIVA VOCE

Name of Examiner

Signature with date

1. Dr. T. Kavitha

2. Dr. Ravindra

DEPARTMENT OF COMPUTER ENGINEERING

20CEE83A

A PROJECT PHASE-2 REPORT

on

TWO WHEELER HELMET AND LICENSE PLATE DETECTION

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

in

COMPUTER ENGINEERING

by

HIMANSHU PRASAD : 1NH20CE017
ISHITA CHAUHAN : 1NH20CE018
SUMEETKUMAR SAVADATTI : 1NH20CE051
VISHWATHIKA M : 1NH20CE062

Under the guidance of

Mr. Rahul B
Assistant Professor
Department of CE

2023-24

DEPARTMENT OF COMPUTER ENGINEERING

CERTIFICATE

It is hereby certified that the Project work entitled **Two Wheeler Helmet and License Plate Detection** is a bonafide work carried out by HIMANSHU PRASAD (1NH20CE017), ISHITA CHAUHAN (1NH20CE018), SUMEETKUMAR SAVADATTI (1NH20CE051) and VISHWATHIKA M (1NH20CE062) in partial fulfilment for the award of Bachelor of Engineering in COMPUTER ENGINEERING of New Horizon College of Engineering during the year 2023-2024. The project report has been approved as it satisfies the academic requirements in respect of the project work prescribed for the said Degree.

Signature of Guide
(Mr. Rahul B)

Signature of HOD
(Dr. T. Kavitha)

External Viva

Name of Examiner

Signature with date

1. Dr. T. Kavitha

2. Dr. Ravindra-S

" BinancePy: Python-Powered Crypto Trading "

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

in

COMPUTER ENGINEERING

by

ARAVIND ARIPAKA : 1NH20CE004
TUNDIYA KRISH J   : 1NH20CE055
HARSHCHAND V   : 1NH20CE058
VAIBHAV C   : 1NH20CE059

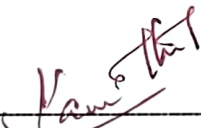*Under the guidance of*

Dr.T.Kavitha
Professor
Department of CE

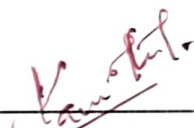**2023-24**

NEW HORIZON
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Accredited by NAAC with 'A' Grade & Accredited by NBA

DEPARTMENT OF COMPUTER ENGINEERING

CERTIFICATE

It is hereby certified that the Project work entitled **"BinancePy: Python-Powered Crypto Trading"** is a bonafide work carried out by ARAVIND ARIPAKA (1NH20CE004), TUNDIYA KRISH J (1NH20CE055), HARSHCHAND V (1NH20CE058) and VAIBHAV CHANDRAKUDE (1NH20CE059), in partial fulfilment for the award of Bachelor of Engineering in COMPUTER ENGINEERING of New Horizon College of Engineering during the year 2023-2024. The project report has been approved as it satisfies the academic requirements in respect of the project work prescribed for the said Degree.

Signature of Guide
(Dr. T. Kavitha)

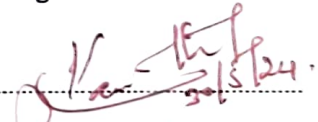Signature of HOD
(Dr.T. Kavitha)

External Viva

Name of Examiner   Signature with date

1. Dr. T. Kavitha

2. Dr. Ravindra s

A PROJECT PHASE-2 REPORT

ON

INTERDISCIPLINARY PROJECT TITLED

"Detection of Autism Spectrum Disorder Using Machine Learning "

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING	BACHELOR OF ENGINEERING
IN	IN
COMPUTER ENGINEERING	MECHANICAL ENGINEERING
BY	BY
DARSHNA B -1NH20CE009	M KUMAR VENKAT -1NH20ME075
OMINI RAO N -1NH20CE029	PRAJWAL-1NH20ME085

Under the guidance of
Mrs. Shwetha A N
Assistant Professor

Under the guidance of
Dr. BOPANNA K D
Senior Assistant Professor

Academic Year: 2023-24

DEPARTMENT OF MECHANICAL ENGINEERING

CERTIFICATE

It is hereby certified that the Interdisciplinary Project work entitled "**Detection Of Autism Spectrum Disorder Using Machine Learning**" is a bonafide work carried out by

M KUMAR VENKAT (1NH20ME075) and PRAJWAL (1NH20ME085) in partial fulfilment for the award of **Bachelor of Engineering** in **MECHANICAL ENGINEERING** of the New Horizon College of Engineering during the year **2023-2024.** It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

Signature of Guide	Signature of Guide	Signature of HOD
Ms. Shwetha A N	**Dr. Bopanna K D**	**Prof. Rakesh C**

SEE Viva

Name of Examiner	Signature with date
1. RAHUL·B	Rahul B 31/5/2024
2. Dr Mouleeswaran ba	31/5/24

NEW HORIZON
COLLEGE OF ENGINEERING
Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC
Accredited by NAAC with 'A' Grade

A PROJECT PHASE – II REPORT

ON

INTERDISCIPLINARY PROJECT TITLED

"VOICE BASED STRESS ANALYSIS AND DETECTION USING MACHINE LEARNING"

Submitted in partial fulfilment for the award of the degree of

BACHELOR OF ENGINEERING	BACHELOR OF ENGINEERING
IN	IN
COMPUTER ENGINEERING	MECHANICAL ENGINEERING
BY	BY
CHARITHA N – 1NH20CE007	E NIKHIL KUMAR – 1NH20ME035
KANISHA S – 1NH20CE023	VISHNU A S – 1NH20ME119

Under the guidance of	*Under the guidance of*
Ms. Mehda B	**Mr. Raghu Tilak Reddy**
Sr. Assistant Professor	Sr. Assistant Professor

Academic Year: 2023 – 2024

DEPARTMENT OF MECHANICAL ENGINEERING

CERTIFICATE

It is hereby certified that the Interdisciplinary Project Phase-II work entitled **"VOICE BASED STRESS ANALYSIS AND DETECTION USING MACHINE LEARNING"** is a bonafide work carried out by **E NIKHIL KUMAR (1NH20ME035)** and **VISHNU A S (1NH20ME119)** in partial fulfilment for the award of **Bachelor of Engineering** in **MECHANICAL ENGINEERING** of the New Horizon College of Engineering during the year **2023-2024**. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

Signature of Guide
(Mr. Raghu Tilak Reddy)

Signature of Guide
(Ms. Mehda B)

Signature of HOD
(Mr. Rakesh C)

SEE Viva

Name of Examiner

Signature with date

1. ....RAHUL·B...............

1. ......Rahul B 31|5|2024..............

2. Dr. Moulcemaan Su

2. ....31/5/24.......

NEW HORIZON
COLLEGE OF ENGINEERING

Autonomous College, Affiliated to VTU | Approved by AICTE New Delhi & UGC
Accredited by NAAC with 'A' Grade & Accredited by NBA

DEPARTMENT OF COMPUTER ENGINEERING

20CEE83A

A PROJECT PHASE-2 REPORT

on

"Machine Learning for Predictive Analytics in Finance"

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

in

COMPUTER ENGINEERING

by

G GOPI KRISHNA	:1NH20CE015
HARSHAVARDHAN GN	:1NH20CE016
K KOUSHIK SAI	:1NH20CE020
V JAYANTH KUMAR REDDY	:1NH20CE060

Under the guidance of

Dr.CR. RATHISH
Associate Professor
Department of CE

2023-24

DEPARTMENT OF COMPUTER ENGINEERING

CERTIFICATE

It is hereby certified that the Project work entitled **"Machine Learning for Predictive Analytics in Finanace"** is a bonafide work carried out by GOPI KRISHNA(1NH20CE015), HARSHAVARDHAN(1NH20CE016), KOUSHIK SAI(1NH20CE020) and JAYANTH KUMAR REDDY(1NH20CE060) in partial fulfilment for the award of Bachelor of Engineering in COMPUTER ENGINEERING of New Horizon College of Engineering during the year 2023-2024. The project report has been approved as it satisfies the academic requirements in respect of the project work prescribed for the said Degree.

Signature of Guide
(DR.CR.Rathish)

Signature of HOD
(Dr.T.KAVITHA)

External Viva

Name of Examiner

Signature with date

1. Dr. T.Kavitha

2. Dr. Ravindra-s

A PROJECT PHASE-II REPORT (20CEE83A)

ON

"Kindle Bot Cruiser Using IOT"

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

IN

COMPUTER ENGINEERING

BY

DANANJAYA S -1NH20CE008

K. M.VINOD KUMAR -1NH20CE021

NOOTHAN DC GOWDA -1NH20CE030

Under the guidance of

PRAMILA S

Assistant Professor

DEPARTMENT OF COMPUTER ENGINEERING
NEW HORIZON COLLEGE OF ENGINEERING

(Autonomous Institution Affiliated to VTU & Approved by AICTE)
Accredited by NAAC 'A', Accredited by NBA
Outer Ring Road, Panathur Post, Kadubeesanahalli, Bangalore – 560103

Academic Year: 2023-24

NEW HORIZON
COLLEGE OF ENGINEERING

Autonomous College, Affiliated to VTU | Approved by AICTE New Delhi & UGC
Accredited by NAAC with 'A' Grade & Accredited by NBA

DEPARTMENT OF COMPUTER ENGINEERING

CERTIFICATE

It is hereby certified that the Project Phase-1 work entitled **"Kindle Bot Cruiser Using IOT"** is a bonafide work carried out by **DANANJAYA S. (1NH20CE008), K M VINOD KUMAR (1NH20CE021), NOOTHAN D C GOWDA (1NH20CE030)** in partial fulfillment of the award of **Bachelor of Engineering** in **COMPUTER ENGINEERING** from New Horizon College of Engineering during the year **2023-2024.** It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

Signature of Guide
(Mrs. Pramila S)

Signature of HOD
(Dr. T. Kavitha)

SEE VIVA VOCE

Name of Examiner

Signature with date

1. Dr. T Kavitha

2. Dr. B. Loja Reddy

31/5/2024

A PROJECT PHASE- 2 REPORT (20CEE83A)

ON

DETECTION OF FAKE PROFILE ON SOCIAL MEDIA

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

IN

COMPUTER ENGINEERING

BY

MELBIN BIJU -1NH20CE027

SANJAY G -1NH20CE040

ALISTAIR KISSINGER -1NH20CE067

PRINCE ENOCH -1NH20CE068

Under the guidance of

Ms. ROJA R

Asst. Professor

DEPARTMENT OF COMPUTER ENGINEERING

NEW HORIZON COLLEGE OF ENGINEERING

(Autonomous Institution Affiliated to VTU & Approved by AICTE)
Accredited by NAAC 'A', Accredited by NBA
Outer Ring Road, Panathur Post, Kadubeesanahalli, Bangalore – 560103

Academic Year: 2023-24

DEPARTMENT OF COMPUTER ENGINEERING

CERTIFICATE

It is hereby certified that the Project Phase-2 work entitled "DETECTION OF FAKE PROFILE ON SOCIAL MEDIA" is a bonafide work carried out by **MELBIN BIJU (1NH20CE027)**, **SANJAY G (1NH20CE040)**, **ALISTAIR KISSINGER (1NH20CE067)**, **PRINCE ENOCH (1NH20CE068)** in partial fulfilment for the award of **Bachelor of Engineering** in **COMPUTER ENGINEERING** of New Horizon College of Engineering during the year **2023-2024**. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

Signature of Guide
(Ms. Roja R)

Signature of HOD
(Dr. T Kavitha)

SEE VIVA VOCE

Name of Examiner

Signature with date

1. Dr. T. Kavitha

2. Dr. Ravindra S

NEW HORIZON
COLLEGE OF ENGINEERING
Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC
Accredited by NAAC with 'A' Grade, Accredited by NBA

A PROJECT PHASE-2 REPORT
ON
INTERDISCIPLINARY PROJECT TITLED

"IMPROVISING VOICE RECOGNITION TECHNIQUE USING AIML"

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING	BACHELOR OF ENGINEERING
IN	IN
COMPUTER ENGINEERING	MECHANICAL ENGINEERING
BY	BY
ANAND KUMAR - 1NH20CE001	KRISHNA- 1NH20ME057
SHIVAM ANAND - 1NH20CE046	LALITH V. -1NH20ME060

Under the guidance of
Mr. Rahul B
Assistant Professor

Under the guidance of
Mr. Sunil Prasanth Kumar
Sr. Assistant Professor

Academic Year: 2023-24

NEW HORIZON
COLLEGE OF ENGINEERING
Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC
Accredited by NAAC with 'A' Grade, Accredited by NBA

DEPARTMENT OF MECHANICAL ENGINEERING

CERTIFICATE

It is hereby certified that the Interdisciplinary Project Phase-II work entitled **"Improvising Voice Recognition Technique using AIML"** is a bonafide work carried out by **KRISHNA (1NH20ME057) and LALITH V. (1NH20ME060)** in partial fulfilment for the award of **Bachelor of Engineering** in **MECHANICAL ENGINEERING** of the New Horizon College of Engineering during the year **2023-2024.** It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

Signature of Guide

(Mr. SUNIL PRASANTH KUMAR)

Signature of Guide

(Mr. RAHUL B)

Signature of HOD

(HOD-ME)

SEE Viva

Name of Examiner

Signature with date

1. RAHUL·B   31/5/2024

2. Dr. Moaleermauon Su   31/5/24

NEW HORIZON
COLLEGE OF ENGINEERING

Autonomous College, Affiliated to VTU | Approved by AICTE New Delhi & UGC
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DEPARTMENT OF COMPUTER ENGINEERING

20CEE83A

A PROJECT PHASE-2 REPORT

on

"STUDENT ANALYSER AND RECOMMENDER"

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

in

COMPUTER ENGINEERING

by

S HEENA KOUSER : 1NH20CE044
NAMITHA GK : 1NH21CE400

Under the guidance of

Ms. SWETHA AN
Asst. professor
Department of CE

2023-24

DEPARTMENT OF COMPUTER ENGINEERING

CERTIFICATE

It is hereby certified that the Project work entitled "STUDENT ANALYZER AND RECOMMENDER" is a bonafide work carried out by S HEENA KOUSER (1NH20CE044), NAMITHA GK (1NH21CE400) in partial fulfilment for the award of Bachelor of Engineering in COMPUTER ENGINEERING of New Horizon College of Engineering during the year 2023-2024. The project report has been approved as it satisfies the academic requirements in respect of the project work prescribed for the said Degree.

Signature of Guide
(Ms. Swetha AN)

Signature of HOD
(Dr. T Kavitha)

External Viva

Name of Examiner

Signature with date

1. Dr. T. Kavitha

2. Dr. Ravindra S

NEW HORIZON COLLEGE OF ENGINEERING

Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC
Accredited by NAAC with 'A' Grade, Accredited by NBA

A PROJECT PHASE-II REPORT
ON
INTERDISCIPLINARY PROJECT TITLED

"Fitness Tracker "

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

IN

INFORMATION SCIENCE AND

ENGINEERING

BY

AKASH KUMAR SEN -1NH20IS009

PARTHA PRATIM SEM -1NH20IS108

CHAITANYA BHARADWAJ -1NH20IS201

BACHELOR OF ENGINEERING

IN

COMPUTER ENGINEERING

BY

SANDEEP HUKUM DHANAI - 1NH20CE066

Under the guidance of
Ms. Pramila S
Assistant Professor

Under the guidance of
Dr. K. Saravanan
Senior Assistant Professor

Academic Year: 2023-24

NEW HORIZON COLLEGE OF ENGINEERING

Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC
Accredited by NAAC with 'A' Grade, Accredited by NBA

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

It is hereby certified that the interdisciplinary project phase-II work entitled "FITNESS TRACKER" is a bonafide work carried out by **AKASH KUMAR SEN (1NH20IS009)**, **PARTHA PRATIM SEM (1NH20IS108)** and **CHAITANYA BHARADWAJ (1NH20IS201)** in partial fulfilment for the award of **Bachelor of Engineering** in **INFORMATION SCIENCE AND ENGINEERING** of the New Horizon College of Engineering during the year **2023-2024**. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

Signature of Guide

(Dr. K. Sarvanan)

Signature of Guide

(Ms. Pramila S)

Signature of HOD

(HOD-ISE)

SEE Viva

Name of Examiner

1. Dr. C.R. XATHISH

2. Dr C Venothuu

Signature with date

DEPARTMENT OF COMPUTER ENGINEERING

20CEE83A

A PROJECT PHASE-2 REPORT

on

"Deep Reinforcement Learning for Image Hashing"

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

in

COMPUTER ENGINEERING

by

ATHIRA MUSALIYATH DINESH : 1NH20CE005
DHANUSH Y.J : 1NH20CE010
ANUSHKA SAI : 1NH20CE019

Under the guidance of

Ms.Roja R
Assistant Professor
Department of CE
2023-2024

NEW HORIZON
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Accredited by NAAC with 'A' Grade & Accredited by NBA

DEPARTMENT OF COMPUTER ENGINEERING

CERTIFICATE

It is hereby certified that the Project work entitled "Deep Reinforcement Learning for Image Hashing" is a bonafide work carried out by ATHIRA MUSALIYATH DINESH (1NH20CE005), DHANUSH Y J (1NH20CE010) and ANUSHKA SAI (1NH20CE019) in partial fulfillment for the award of Bachelor of Engineering in COMPUTER ENGINEERING of New Horizon College of Engineering during the year 2023-2024. The project report has been approved as it satisfies the academic requirements in respect of the project work prescribed for the said Degree.

Signature of Guide
(Ms. Roja R)

Signature of HOD
(Dr. T.Kavitha)

External Viva

Name of Examiner

Signature with date

1. _Dr. T. Kavitha_ ....

2. _Dr Ravindra_ ....

NEW HORIZON
COLLEGE OF ENGINEERING

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Accredited by NAAC with 'A' Grade & Accredited by NBA

A PROJECT PHASE-2 REPORT (20CEE77A)

ON

"Design and development of Multi-Purpose Quadcopter"

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

IN

COMPUTER ENGINEERING

BY

SANJAY SAHEEL -1NH20CE041

SUDAR P -1NH20CE050

RAVI B -1NH21CE401

Under the guidance of

Mrs.Mehda B

Assistant Professor

DEPARTMENT OF COMPUTER ENGINEERING
NEW HORIZON COLLEGE OF ENGINEERING

(Autonomous Institution Affiliated to VTU & Approved by AICTE)
Accredited by NAAC 'A', Accredited by NBA
Outer Ring Road, Panathur Post, Kadubeesanahalli, Bangalore – 560103

Academic Year: 2023-24

DEPARTMENT OF COMPUTER ENGINEERING

CERTIFICATE

It is hereby certified that the Project Phase-2 work entitled "**Design and development of Multi-Purpose Quadcopter (Hybrid Drone)**" is a bonafide work carried out by **SANJAY SAHEEL (1NH20CE041), SUDAR P (1NH20CE050), RAVI B (1NH21CE401)** in partial fulfilment for the award of **Bachelor of Engineering** in **COMPUTER ENGINEERING** of New Horizon College of Engineering during the year **2023-2024.** It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

Signature of Guide
(Mrs.Mehda B)

Signature of HOD
(Dr. T. Kavitha)

SEE VIVA VOCE

Name of Examiner

Signature with date

1. Dr. T. Kavitha

29/5/24

2. Dr. Ravindra.S

29/5/24

A PROJECT PHASE-II REPORT
ON
INTERDISCIPLINARY PROJECT TITLED

"Transformative Potential of Care Compass "

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING	BACHELOR OF ENGINEERING
IN	IN
ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING ENGINEERING	COMPUTER ENGINEERING
BY	BY
PALLAVI SHARMA -1NH20AI074	SHADAB KHAN N A -1NH20CE043
PRASANNA KOTYAL -1NH20AI079	
SMIRNA PAUL -1NH20AI099	

Under the guidance of
Mrs. Jimsha K Mathew
Senior Assistant Professor

Under the guidance of
Ms. Mehela B
Senior Assistant Professor

Academic Year: 2023-24

NEW HORIZON
COLLEGE OF ENGINEERING
Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC
Accredited by NAAC with 'A' Grade, Accredited by NBA

DEPARTMENT OF COMPUTER ENGINEERING

CERTIFICATE

It is hereby certified that the interdisciplinary project phase-II work entitled "Transformative Potential of Care Compass" is a bonafide work carried out by **SHADAB KHAN N A (1NH20CE043)** in partial fulfilment for the award of **Bachelor of Engineering** in **COMPUTER ENGINEERING** of the New Horizon College of Engineering during the year **2023-2024.** It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

Signature of Guide	Signature of Guide	Signature of HOD
(Mrs. Jimsha K Mathew)	**(Ms. Mehda B)**	**(HOD-CE)**

SEE Viva

Name of Examiner   Signature with date

1. Arun Kumar J

2. Mehda.B

NEW HORIZON
COLLEGE OF ENGINEERING

A PROJECT PHASE-2 REPORT(20CEE83A)

on

"Video Captioning on Edge as Blind Assistant System"

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

IN

COMPUTER ENGINEERING

BY

MOHAMMED ADNAN KHAN: 1NH20CE028
SHREESHA J M: 1NH20CE047

<u>*Under the guidance of*</u>
Dr. T. KAVITHA
Professor and HOD

DEPARTMENT OF COMPUTER ENGINEERING

NEW HORIZON COLLEGE OF ENGINEERING

(Autonomous Institution Affiliated to VTU & Approved by AICTE)

Accredited by NAAC 'A', Accredited by NBA

Outer Ring Road, Panathur Post, Kadubeesanahalli, Bangalore-560103

Academic Year: 2023-24

NEW HORIZON
COLLEGE OF ENGINEERING

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Accredited by NAAC with 'A' Grade & Accredited by NBA

DEPARTMENT OF COMPUTER ENGINEERING

CERTIFICATE

It is hereby certified that the Project work entitled Video Captioning on Edge as Blind Assistant System is a bonafide work carried out by **MOHAMMED ADNAN KHAN (1NH20CE028), SHREESHA J M (1NH20CE047)** in partial fulfilment for the award of Bachelor of Engineering in **COMPUTER ENGINEERING** of New Horizon College of Engineering during the year **2023-2024**. The project report has been approved as it satisfies the academic requirements in respect of the project work prescribed for the said Degree.

Signature of Guide
(Dr. T. Kavitha)

Signature of HOD
(Dr. T. Kavitha)

SEE VIVA VOCE

Name of Examiner	Signature with date
1. Dr. T. Kavith	29/5/24
2. Dr. Ravindra's	29/5/24

NEW HORIZON
COLLEGE OF ENGINEERING

Autonomous College, Affiliated to VTU | Approved by AICTE New Delhi & UGC
Accredited by NAAC with 'A' Grade & Accredited by NBA

A PROJECT PHASE-2 REPORT (20CEE77A)

ON

"HOME CONNECT IOT APPLIANCE MANAGEMENT SYSTEM"

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

IN

COMPUTER ENGINEERING

BY

UTKARSH SRIVASTAVA -1NH20CE056

UZAIR SURKHI-1NH20CE057

KUMAR ADITYA-1NH20CE025

Under the guidance of

Mr. CHANDAN RAJ B R
SENIOR ASSISTANT PROFESSOR

DEPARTMENT OF COMPUTER ENGINEERING
NEW HORIZON COLLEGE OF ENGINEERING
(Autonomous Institution Affiliated to VTU & Approved by AICTE)
Accredited by NAAC 'A', Accredited by NBA
Outer Ring Road, Panathur Post, Kadubeesanahalli, Bangalore – 560103

Academic Year: 2023-2024

NEW HORIZON
COLLEGE OF ENGINEERING

Autonomous College, Affiliated to VTU | Approved by AICTE New Delhi & UGC
Accredited by NAAC with 'A' Grade & Accredited by NBA

DEPARTMENT OF COMPUTER ENGINEERING

CERTIFICATE

It is hereby certified that the Project Phase-1 work entitled **"HOME CONNECT IOT APPLIANCE MANAGEMENT SYSTEM"** is a Bonafede work carried out by **UTKARSH SRIVASTAVA (1NH20CE056), UZAIR SURKHI (1NH20CE057), KUMAR ADITYA (1NH20CE025)** in partial fulfilment for the award of **Bachelor of Engineering** in **COMPUTER ENGINEERING** of New Horizon College of Engineering during the year **2023-2024.** It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

Signature of Guide
(Mr. CHANDAN RAJ B R)

Signature of HOD
(Dr. T kavitha)

SEE VIVA VOCE

Name of Examiner	Signature with date
1. Dr. T. Kavitha	Kavitha 29/5/24.
2. Dr. Ravindra	27/5/24

A PROJECT PHASE-II REPORT
ON
INTERDISCIPLINARY PROJECT TITLED

"A NOVEL BASED APPROACH OF HOME AUTOMATION SYSTEM FOR CONSTRAINED EDGE IOT DEVICES "

Submitted in partial fulfilment for the award of the degree of

BACHELOR OF ENGINEERING	BACHELOR OF ENGINEERING
IN	IN
COMPUTER ENGINEERING	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING
BY	BY
PRIYANSHU ROY – 1NH20CE033	VINAY KRISHNAN -1NH20AI138
	TARUN S -1NH20AI108
	KAVYA SIVAKUMAR -1NH20AI047

Under the guidance of	*Under the guidance of*
Dr. C. R. RATHISH	Dr. SONIA MARIA D'SOUZA
ASSOCIATE PROFESSOR	ASSOCIATE PROFESSOR

Academic Year: 2023-24

DEPARTMENT OF COMPUTER ENGINEERING

CERTIFICATE

It is hereby certified that the interdisciplinary project phase-II work entitled **"A Novel Based Approach Of Home Automation System For Constrained Edge Iot Devices"** is a bonafide work carried out by **Priyanshu Roy (1NH20CE033)** in partial fulfilment for the award of **Bachelor of Engineering** in **Computer Engineering** of the New Horizon College of Engineering during the year **2023-2024.** It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

Signature of Guide	Signature of Guide	Signature of HOD
Dr. C. R. Rathish	Dr. Sonia Maria D'Souza	Dr. T. Kavitha

SEE Viva

Name of Examiner   Signature with date

1. Arun Kumar S

2. Mehda. B

NEW HORIZON
COLLEGE OF ENGINEERING

Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC
Accredited by NAAC with 'A' Grade, Accredited by NBA

A PROJECT PHASE-2 REPORT
ON
INTERDISCIPLINARY PROJECT TITLED

"TUBERCULOSIS AND PNEUMONIA DETECTION USING CHEST X-RAY"

Submitted in partial fulfillment for the award of the degree of

<table>
<tr><td>BACHELOR OF ENGINEERING</td><td>BACHELOR OF ENGINEERING</td></tr>
<tr><td>IN</td><td>IN</td></tr>
<tr><td>COMPUTER ENGINEERING</td><td>INFORMATION SCIENCE AND ENGINEERING</td></tr>
<tr><td>BY</td><td>BY</td></tr>
<tr><td>PAVANA M - 1NH20CE031
R MANASA- 1NH20CE034</td><td>K HARSHITH- 1NH20IS190
SHRIDHAR GAVADI- 1NH21IS415</td></tr>
</table>

Under the guidance of
Dr. C. R.RATHISH
Associate Professor

Under the guidance of
Dr. SIVARAMAKRISHNAN. S
Associate Professor

Academic Year: 2023-24

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

It is hereby certified that the Interdisciplinary Project Phase-IIwork entitled **"TUBERCULOSIS AND PNEUMONIA DETECTION USING CHEST X-RAY"** is a bonafide work carried out by **K HARSHITH (1NH20IS190) and SHRIDHAR GAVADI (1NH21IS415)** in partial fulfilment for the award of **Bachelor of Engineering** in **INFORMATION SCIENCE AND ENGINEERING** of the New Horizon College of Engineering during the year **2023-2024.** It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

Signature of Guide	Signature of Guide	Signature of HOD
(Dr. Sivaramakrishnan S)	**(Dr. C R Rathish)**	**(Dr. Vandana C P)**

SEE Viva

Name of Examiner   Signature with date

1. Dr. O.R. XATHUN

2. Dr. C. Mathew