

New Horizon College of Engineering

Department of Artificial Intelligence and Machine Learning

Project undertaken by students AY-2023-2024

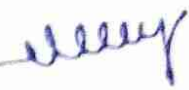
Team No	Dept	Name of the Student	Internal/ External	Project Title	Org	Internal Guide
1	AIML	Mounika Teppola,Bhavna brahma,M Keerti Sai Naidu,Dimple K Choudhary	Internal	Human Activity Detection	NHCE	Prof.Sandhiya Rani
2	AIML	Revanth Reddy,Venkateshwara Reddy,bandla vamsi mohan	Internal	DeepCKD: Chronic Kidney Disease Early Diagnosis	NHCE	Prof.Ramayashree PM
3	AIML	Purushotaman shankar, r sai danoosh,sanjay basu,v sai rohit	Internal	A KPI Based Motivational Enhancement HRM Bundle using AI	NHCE	Prof.Akshatha P S
4	AIML	Kavya Sivakumar,Tarun S,Vinay Krishnan,Priyanshu Roy	Internal	A novel based approach of home automation system for constrained edge IOT Devices.	NHCE	Dr.Sonia Maria Dsouza
5	AIML	Kathi Siddartha Reddy,Sadula Chandrakanth Reddy,Malem Krishna Vamsi,E Venkata Lokeshwar	Internal	Activity Recongnition of a Driver through Deep Learning Model	NHCE	Prof.Syam Dev
6	AIML	cheekuru meghana	Internal	AI Based Smart Plant watering System	NHCE	Dr.Sreejith
7	AIML	Om Kumar Patra,Sumukha Bharadwaj,Yash Tyagi,Shivani Reddy	Internal	AI Powered Legal Assistance System	NHCE	Dr.umamaheswaran S
8	AIML	Dathri Venkat Reddy,Jeevan C.B,Dainik Suchith E.A,Likith M	Internal	AI-Trip Advisor[Smart Travel Itinerary Planner]	NHCE	Prof.Thanu
9	AIML	Chetu chandhan,Kakarla lingeswar Balaji,K Datta ram Vivek,Sanjay Reddy	Internal	Anemia Detection Using Machine Learning	NHCE	Prof.Ramesh Prasad
10	AIML	N Lohit Reddy,Pavan kumar T,Revuru jaswanth,Shripad Kathare	Internal	Artificial Content authenticity Verification	NHCE	Prof.Syam Dev
11	AIML	Bhoomika S,Rohan S Siddeshwara	Internal	Augumented Annoator	NHCE	Dr.Uma Reddy

12	AIML	Akash B,Sumukh C,Gowardhan Reddy,Harshith V	Internal	Automated Office Meeting Summarization with NLP-Based Video Transcription	NHCE	Prof.Akshatha PS
13	AIML	Bhuvaneshwari,Nandini Reddy K,Yogitha Reddy D.R	Internal	Automatic Thyroid Ultrasound Image classification using Deep Learning	NHCE	Prof.Shravya Shetty
14	AIML	Bilal Khan,Mohammed Faisal Abdulla,Govind Sha	Internal	Automation of Statistical Aid of Data Engineering	NHCE	Dr.Sonia Maria Dsouza
15	AIML	Balaji V,Sai Vamsi,Joel Praneeth,Kushal Kumar	Internal	Deep fake detection	NHCE	Prof.Bindu
16	AIML	Nikhil Manne,Venkata Devagna N	Internal	Detection of Intracranial Hemorrhage from CT Scans using DL	NHCE	Dr.Sowmya H K
17	AIML	Usha Jyothi,Jeyalakshmi	Internal	Malware Detection	NHCE	Prof.Rajashree
18	AIML	Nischith L,Priya N,Neha Darawan,Shambhavi Dwivedi	Internal	Disease Prognosticator	NHCE	Prof.Bindu
19	AIML	A Sharath Ram,Abhishek Narisepalli Venkata Sai,Atman Mishra	Internal	MindForge : A digital Second Brain	NHCE	Prof.Rajashree R S
20	AIML	Adhithya B N,Chris Vinson Pranit Prakash Prabhu,Chandan S	Internal	A Full-Fledged Communication Platform with enhanced accessibility and functionality	NHCE	Dr.Sreejith
21	AIML	Dharsan,Sai Charan,Jayavibhav,Manish	Internal	Graph Based Knowledge Representation and information Retrieval for Retrieval Augmented Generation(RAG)	NHCE	Dr.Umamaheswaran S
22	AIML	Janapati Neeraj,Lingala Naga Malleshwar Reddy,Matam Dinesh Chandra,Metukuru Sri Charan Reddy	Internal	HERBX INSIGHT: Unveiling the Potency of Ayurvedic Plants	NHCE	Dr.Sowmaya H K
23	AIML	Talha Rakim Khan,Umair Ahmed,Aritroo Kumar Chowdhury	Internal	Machine Olfaction :Creating a Digital Nose	NHCE	Prof.Supriya B Rao

24	AIML	Jayashree M Gadwal,Rohan Rai,Sri Darshan,Vaishnavi R	Internal	MANAS-A Safe and sound Space	NHCE	Prof.Shruthi
25	AIML	Progyajyoti Mukherjee,Suhail Shaik,Syed Aamir Bokhari,Abhishek Samar Singh	Internal	MEDICHRON	NHCE	Dr.Sreejith
26	AIML	Anushree P,B Vishnu Vardhan Reddy,Keerthana N,Nagaleekar Nikitha	Internal	Multilingual Text-to-image generation	NHCE	Dr.Prianka R R
27	AIML	Charan C,Fizza Mirza,M Karthik Kumar,Mihir Gupta	Internal	Nutri Gen: Personalized Dietary Guidance With AI	NHCE	Dr.Sreejith
28	AIML	Sasi Kiran Reddy,saketh Sree Ram,Roopam Chowdary,Chengi Rohith kumar	Internal	Periodontal Bone loss detection using CNN	NHCE	Prof.Shasikala K S
29	AIML	Vignesh Reddy,Girihas,Daksha,Kushal	Internal	Precision Farming with AI for optimal Crop Yield and Health	NHCE	Prof. Jimsha K Mathew
30	AIML	Kodidala Vamshivardhan,Puneet Vernekar,Rahul Ravindra	Internal	Body Measurement and product recommendation	NHCE	Prof.Ramesh Prasad
31	AIML	Aditya S Manakar,Arshad Pasha, Jiya Ann Elias,Kartikey Tiwari	Internal	Product Guard: Empowering informed choices for safe Live	NHCE	Prof.Sandhya Rani
32	AIML	S Evengiline,Vandhana M Nair,VR Geethika Reddy	Internal	Real Time Driver Drowsiness Detection and alert system	NHCE	Prof.Rajashree R S
33	AIML	Rishabh Solanki,Rohith M,Tanya Singh,Divyesh Jaiswal	Internal	Realtime sign language recognition API	NHCE	Dr.Prianka R R
34	AIML	Dhruva Teja,Praveen Reddy,Jashwanth Reddy	Internal	Smart Helper: Voice guided assistance system for visually Impaired	NHCE	Prof.Shasikala K S
35	AIML	Nihar Kancham,Adusumalla Sai Roopesh,Kruthik Mahesh	Internal	Sociable Sidekick:Revolutionizing Pet Care through technology.	NHCE	Prof.Thanu

36	AIML	Avneesh Tamra,V Mahesh Babu,Rachit shrivastava	Internal	Analysis and Prediction of Lung Disease by Lung Beats	NHCE	Prof.Supriya B Rao
37	AIML	Sooryendhu,Sowmya asati,Roshan syed,Vignesh Prabhu N	Internal	Stable Diffusion inpainting with segment Anything Model	NHCE	Dr.Sowmya H K
38	AIML	Hemanth D,Prathasai K	Internal	Stop Counterfeits with Blockchain	NHCE	Prof. Shravya Shetty
39	AIML	Nikitha.B,Mukka Prahitha,Sinchana T G,Yeddula Yashaswini	Internal	Stress Management using AI model	NHCE	Dr.Uma Reddy N
40	AIML	Niharika P,Neehika P	Internal	Kidney Stone Detection using CT scan images	NHCE	Prof.Jimsha K Mathew
41	AIML	Pallavi Sharma,Prasanna Kotyal,Smirna Paul	Internal	Care Compass	NHCE	Prof.Jimsha K Mathew


Project Coordinator


HOD-AI&ML



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DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

20AIM83A

A PROJECT PHASE-2 REPORT

on

“Web-Based Real-Time Child Surveillance System”

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

in

ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

by

BHAVNA BRAHMA : 1NH20AI016

DIMPLE K CHOUDHARY : 1NH20AI027

KEERTI SAI NAIDU : 1NH20AI056

MOUNIKA TEPPOLA : 1NH20AI063

Under the guidance of

Ms. Sandyarani Vadlamudi

Senior Assistant Professor

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

NEW HORIZON COLLEGE OF ENGINEERING, BANGALORE, 560103

2023-24



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DEPARTMENT OF ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

CERTIFICATE

It is hereby certified that the Project Phase-2 work entitled "Web-Based Real-Time Child Surveillance System" is a bonafide work carried out by BHAVNA BRAHMA (1NH20AI016), DIMPLE K CHOUDHARY (1NH20AI027), KEERTI SAI NAIDU (1NH20AI056), MOUNIKA TEPPOLA (1NH20AI063) in partial fulfilment for the award of Bachelor of Engineering in ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING 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
(Prof. Sandyarani Vadlamudi)

Signature of HOD
(Dr. Uma Reddy N V)

SEE VIVA VOCE

Name of Examiner

Signature with date

1. Dr. S. Uma Maheswari

2. Prof. Ravi Lanke



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**DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE
LEARNING**

20AIM83A

A PROJECT PHASE-2 REPORT

on

“Multiple Disease Detection”

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

in

ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

by

Bandla Vamsi Mohan : 1NH20AI014

Machireddy Venkateswara Reddy : 1NH20AI057

N Sri Satya Revanth Reddy : 1NH20AI066

Under the guidance of

Ms. Ramyasree

ASSISTANT PROFESSOR

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

NEW HORIZON COLLEGE OF ENGINEERING, BANGALORE, 560103

2023 - 24



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DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

CERTIFICATE

It is hereby certified that the Project work entitled "**Multiple Disease Detection**" is a bonafide work carried out by **N Sri Satya Revanth Reddy (1NH20AJ066)**, **Bandla Vamsi Mohan(1NH20AJ014)**, **Machireddy Venkateswara Reddy (1NH20AJ057)** in partial fulfilment for the award of Bachelor of Engineering in ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING 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. Ramyasree)

N.V. J. 28/5/2024

Signature of HOD
(Dr. UMA REDDY N V)

External Viva

Name of Examiner

1. Dr. B. Meenakshikundaram
2. Arun Kumar J

Signature with date

29/05/24



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**DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE
LEARNING**

20AIM83A

A PROJECT PHASE-2 REPORT

on

**“ A KPI BASED MOTIVATIONAL ENHANCEMENT HRM BUNDLE
USING AI”**

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

in

ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

by

PURUSHOTAMAN SHANKAR : 1NH20AI083

R SAI DANOOSH : 1NH20AI093

SANJAY BASU : 1NH20AI095

V SAI ROHIT : 1NH20AI112

Under the guidance of

Prof. Akshatha P S

Senior Asst. Professor

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

NEW HORIZON COLLEGE OF ENGINEERING, BANGALORE, 560103

2023-24



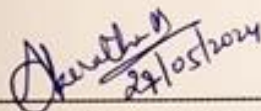
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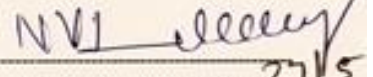
DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

CERTIFICATE

It is hereby certified that the Project work entitled "A KPI BASED MOTIVATIONAL ENHANCEMENT HRM BUNDLE USING AI" is a bonafide work carried out by **PURUSHOTAMAN SHANKAR (1NH20AI083), R SAI DANOOSH (1NH20AI093), SANJAY BASU (1NH20AI095), V SAI ROHITH (1NH20AI112)** in partial fulfilment for the award of Bachelor of Engineering in ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING 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.


29/05/2024

Signature of Guide
(Prof. Akshatha P S)


27/5

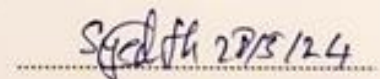
Signature of HOD
(Dr.UMA REDDY N V)

External Viva

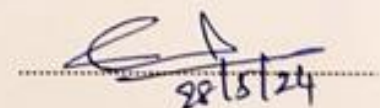
Name of Examiner

Signature with date

1. SYED HAYATHI


28/5/24

2. Dr. PRIANNA. R.P


28/5/24



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**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
IN
COMPUTER ENGINEERING**

**BY
PRIYANSHU ROY – 1NH20CE033**

**Under the guidance of
Dr. C. R. RATHISH
ASSOCIATE PROFESSOR**

**BACHELOR OF ENGINEERING
IN
ARTIFICIAL INTELLIGENCE AND
MACHINE LEARNING**

**BY
VINAY KRISHNAN -1NH20AI138
TARUN S -1NH20AI108
KAVYA SIVAKUMAR -1NH20AI047**

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

Academic Year: 2023-24



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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
Dr. C. R. Rathish

Signature of Guide
Dr. Sonia Maria D'Souza

Signature of HOD
Dr. T. Kavitha

SEE Viva

Name of Examiner

1. Anu Kumar S
2. Mehda.B

Signature with date



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**DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE
LEARNING**

20AIM83A

A PROJECT PHASE-2 REPORT

on

**“ACTIVITY RECOGNITION OF A DRIVER THROUGH
DEEP LEARNING”**

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

in

ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

by

1. MALEM KRISHNA VAMSI : 1NH20AI058
2. SADULA CHANDRAKANTH REDDY : 1NH20AI092
3. EERLA GURU VENKATA LOKESHWAR : 1NH20AI133
4. KATHI SIDDARTHA REDDY : 1NH20AI139

Under the guidance of

Prof. R. S. Syam Dev

Sr. ASSISTANT PROFESSOR

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

NEW HORIZON COLLEGE OF ENGINEERING, BANGALORE, 560103

ACADEMIC YEAR: 2023-24



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DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

CERTIFICATE

It is hereby certified that the Project work entitled “ **ACTIVITY RECOGNITION OF A DRIVER THROUGH DEEP LEARNING** ” is a bonafide work carried out by **MALEM KRISHNA VAMSI (1NH20AI058), SADULA CHANDRAKANTH REDDY REDDY (1NH20AI092), EERLA GURU VENKATA LOKESHWAR (1NH20AI133), KATHI SIDDARTHA REDDY (1NH20AI139)** in partial fulfilment for the award of **Bachelor of Engineering in ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING** 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
(Prof. R. S. Syam Dev)

Signature of HOD
(Dr. UMA REDDY N V)

External Viva

Name of Examiner

Signature with date

1. SYED HAYATH

2. Dr. PRIYANKA R. R.



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A PROJECT PHASE-2 REPORT ON INTERDISCIPLINARY PROJECT TITLED

“AI Based Smart Plant Watering System“

Submitted in partial fulfilment for the award of the degree of

BACHELOR OF ENGINEERING

IN

ELECTRONICS AND

COMMUNICATION ENGINEERING

BY

Abhijeeth Talari -1NH20EC004

Gokul Mohan -1NH20EC051

Mukthapuram Divya -1NH20EC086

BACHELOR OF ENGINEERING

IN

ARTIFICIAL INTELLIGENCE AND

MACHINE LEARNING ENGINEERING

BY

Cheekuru Meghana -1NH20AI021

Under the guidance of

Ms. Ramanamma P

Senior Assistant Professor

Dept. of ECE

Under the guidance of

Dr. Sreejith S

Associate Professor

Dept. of AIML

Academic Year: 2023-24






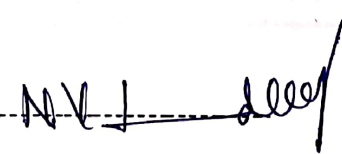
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DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING CERTIFICATE

It is hereby certified that the Interdisciplinary Project Phase-II work entitled "AI Based Smart Plant Watering System" is a bonafide work carried out by Cheekuru Meghana(1NH20AI021) in partial fulfilment for the award of Bachelor of Engineering in ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING 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. SREEJITH S)


Signature of HOD
(Dr. UMA REDDY N V)


Signature of Principal
(Dr. MANJUNATHA)

SEE Viva

Name of Examiner
1. Arum Kumar S

2. Dr. P. L. Manohar

Dr. Kavita A Patil

Signature with date

21/5/24


21/5/24



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DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

20AIM83A

A PROJECT PHASE-2 REPORT

on

“AI-Powered Legal Assistant System”

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

in

ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

by

OM KUMAR PATRA : 1NH20AI073

S SHIVANI REDDY : 1NH20AI094

SUMUKHA BHARADWAJ : 1NH20AI102

YASH TYAGI : 1NH20AI121

Under the guidance of

Dr. Umamaheswaran S

Professor

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

NEW HORIZON COLLEGE OF ENGINEERING, BANGALORE, 560103

2023-24



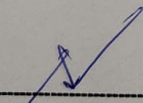
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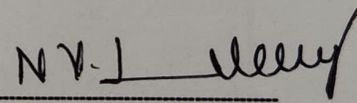
DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

CERTIFICATE

It is hereby certified that the Project work entitled “**AI-Based Legal Assistant System**” is a bonafide work carried out by OM KUMAR PATRA (1NH20AI073), SHIVANI REDDY (1NH20AI094), SUMUKHA BHARADWAJ (1NH20AI102), and YASH TYAGI (1NH20AI121) in partial fulfilment for the award of Bachelor of Engineering in ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING 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. UMAMAHESWARAN S



Signature of HOD
DR. UMA REDDY N V

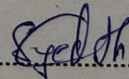
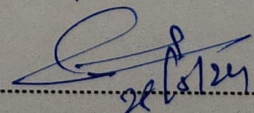
External Viva

Name of Examiner

Signature with date

1. SYED HAYATH

2. Dr. PRIYANKA . R . R

 28/5/24
 28/5/24



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A PROJECT PHASE-2 REPORT (20AIM78A)

ON

AI- Trip Advisor [Smart Travel Itinerary planner]

Submitted in partial fulfilment for the award of the degree of

BACHELOR OF ENGINEERING

IN

ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

BY

DAIVIK SUCHIT -1NH20AI024

JEEVAN C B - 1NH20AI036

M DATHRI VENKAT REDDY -1NH20AI054

LIKITH M -1NH20AI134

Under the guidance of

Ms. Thanu Deepu George

Senior assistant professor

**DEPARTMENT OF ARTIFICIAL INTELLIGENCE & MACHINE
LEARNING**

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



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DEPARTMENT OF ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

CERTIFICATE

It is hereby certified that the Project Phase-2 work entitled "AI-TRIP ADVISOR" is a bonafide work carried out by **DAIVIK SUCHIT (1NH20AI036)**, **JEEVAN C B (1NH20AI036)**, **M DATHRI VENKAT REDDY (1NH20AI054)**, **LIKITH M (1NH20AI134)** in partial fulfilment for the award of **Bachelor of Engineering in ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING** 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. Thanu Deepu George)

NV-1 28/5/2024

Signature of HOD
(Dr. Uma Reddy N V)

SEE VIVA VOCE

Name of Examiner

Signature with date

1. Dr. S. Uma maheswari

24/5/24

2. Prof. Ravi Lanke

29/5/24



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**DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE
LEARNING**

20AIM83A

A PROJECT PHASE-2 REPORT

on

"Anemia Detection Using Machine Learning"

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

in

ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

by

A CHETU CHANDHAN : 1NH20AI004

K LINGESWAR BALAJI: 1NH20AI040

K DATTA RAM VIVEK : 1NH20AI046

P SANJAY REDDY : 1NH20AI143

Under the guidance of

Mr. Ramesh Prasad R

Senior Assistant Professor

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

NEW HORIZON COLLEGE OF ENGINEERING, BANGALORE, 560103

2023-24



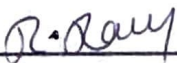
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DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING



CERTIFICATE

It is hereby certified that the Project work entitled "Anemia Detection Using Machine Learning" is a bonafide work carried out by A CHETU CHANDHAN (1NH20AI004), K LINGESWAR BALAJI (1NH20AI040), K DATTA RAM VIVEK (1NH20AI046) and P SANJAY REDDY (1NH20AI143) in partial fulfilment for the award of Bachelor of Engineering in ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING 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./Mr./Ms. Guide Name)


Signature of HOD
(Dr.UMA REDDY N V)

External Viva

- Name of Examiner
1. 
 2. 

Signature with date



28/5/24



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**DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE
LEARNING**

20AIM83A

A PROJECT PHASE-2 REPORT

on

“ARTIFICIAL CONTENT AUTHENTICITY VERIFICATION”

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

in

ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

by

N. LOHITH REDDY	: 1NH20AI072
PAVAN KUMAR T	: 1NH20AI076
R V S S JASWANTH	: 1NH20AI086
SHRIPAD KATHARE	: 1NH20AI097

Under the guidance of

Mr.R.S.Syam Dev

Senior Assistant Professor

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

NEW HORIZON COLLEGE OF ENGINEERING, BANGALORE, 560103

2023-24



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

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

CERTIFICATE

It is hereby certified that the Project work entitled "ARTIFICIAL CONTENT AUTHENTICITY VERIFICATION" is a bonafide work carried out by N.LOHITH REDDY(1NH20AI072), PAVAN KUMAR T(1NH20AI076), R.V.S.S.JASWANTH(1NH20AI086), SHRIPAD KATHARE(1NH20AI097) in partial fulfilment for the award of Bachelor of Engineering in ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING 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.R.S.Syam Dev)

Signature of HOD
(Dr. UMA REDDY N V)

External Viva

Name of Examiner

1. Prof. Arun Kumar

2. _____

Signature with date

Arundev 29/05/24



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

A PROJECT PHASE-II REPORT (20AIM83A)

ON

“AI-Powered Video Conferencing App with Real-time Speech-to-Speech Machine Translation”

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

IN

ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

BY

BHOOMIKA S -1NH20AI018

ROHAN S SIDDESHWARA -1NH20AI089

Under the guidance of

Dr. Uma Reddy. N. V

Professor and Head of Dept,
AI & ML

**DEPARTMENT OF ARTIFICIAL INTELLIGENCE & MACHINE
LEARNING**

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



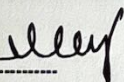
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Accredited by NAAC with 'A' Grade & Accredited by NBA

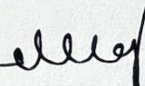
DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

CERTIFICATE

It is hereby certified that the Project work entitled “AI-Powered Video Conferencing App with Real-time Speech-to-Speech Machine Translation” is a bonafide work carried out by BHOOMIKA S (1NH20AI018), ROHAN S SIDDESHWARA (1NH20AI089) in partial fulfilment for the award of Bachelor of Engineering in ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING 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.

NV-I 

Signature of Guide
(Dr. UMA REDDY N V)

NV-I 

Signature of HOD
(Dr.UMA REDDY N V)

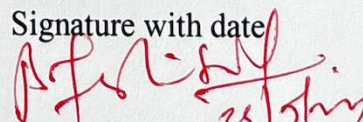
28/5/24

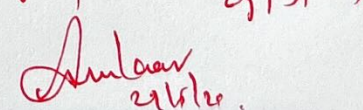
External Viva

Name of Examiner

1. Dr. B. Meenakshi Sundaram
2. Arun Kumar S

Signature with date


28/5/24


28/5/24



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**DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE
LEARNING**

20AIM83A

A PROJECT PHASE-2 REPORT

on

**"Automated Office Meeting Summarization with NLP-Based
Video Transcription and Speaker Diarization"**

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

in

ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

by

AKASH B (1NH20AI006)

C SUMUKH (1NH20AI019)

GOWARDHAN REDDY V (1NH20AI032)

V HARSHITH (1NH20AI111)

Under the guidance of

Ms. AKSHATHA P S

Senior Assistant Professor

**DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING
NEW HORIZON COLLEGE OF ENGINEERING, BANGALORE, 560103**

2023-24



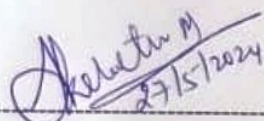
NEW HORIZON COLLEGE OF ENGINEERING

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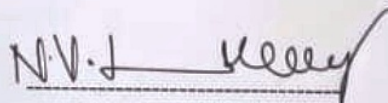
DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

CERTIFICATE

It is hereby certified that the Project work entitled "Automated Office Meeting Summarization with NLP-Based Video Transcription and Speaker Diarization" is a bonafide work carried out by AKASH B (1NH20AI006), C SUMUKH (1NH20AI019), GOWARDHAN REDDY V (1NH20AI032) and V HARSHITH (1NH20AI111) in partial fulfilment for the award of Bachelor of Engineering in ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING 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.


27/5/2024

Signature of Guide
(Prof. AKSHATHA P S)

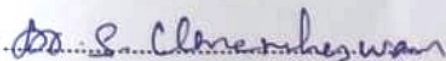


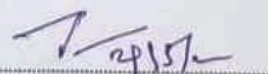
Signature of HOD
(Dr. UMA REDDY N V)

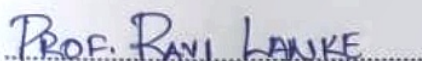
External Viva

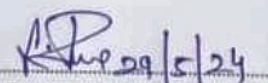
Name of Examiner

Signature with date

1. 


27/5/24

2. 


29/5/24



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AN INTERDISCIPLINARY PROJECT PHASE-2
REPORT ON

“AUTOMATIC THYRIOD ULTRASOUND IMAGE CLASSIFICATION USING DEEP LEARNING “

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

IN

**ARTIFICIAL INTELLIGENCE AND
MACHINE LEARNING
BY**

K. BHUVANESWARI - 1NH20AI041
NANDINI REDDY K - 1NH20AI126
YOGITHA REDDY D.R - 1NH20AI135

Under the guidance of

Ms. Shravya Shetty
Assistant Professor

BACHELOR OF ENGINEERING

IN

**ELECTRONICS AND COMMUNICATION
ENGINEERING
BY**

ABDULLAH - 1NH20EC003

Under the guidance of

Ms. Baby Chithra
Senior Assistant Professor

Academic Year: 2023-24



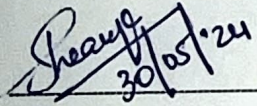
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DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

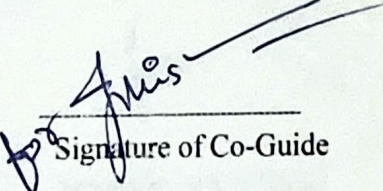
CERTIFICATE

It is hereby certified that the Interdisciplinary Project Phase-I work entitled "AUTOMATIC THYROID ULTRASOUND IMAGE CLASSIFICATION USING DEEP LEARNING" is a bonafide work carried out by K. BHUVANESWARI (1NH20AI041), NANDINI REDDY K (1NH20AI126) and YOGITHA REDDY D.R (1NH20AI135) in partial fulfilment for the award of Bachelor of Engineering in OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING 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

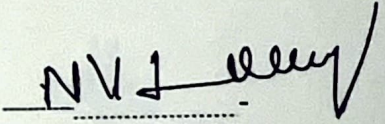
(Ms. SHRAVYA SHETTY)

Assistant Professor


Signature of Co-Guide

(Ms. Baby Chithra)

Senior Assistant Professor


Signature of HOD

(Dr. Uma Reddy N V)

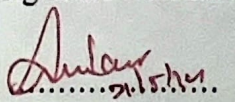
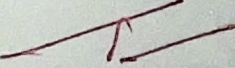
(HOD-AIML)

SEE Viva

Name of Examiner

1. Arun Kumar
2. Dr. S. Chandrahasan
- Dr. Kavita. A. Patil

Signature with date


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**DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE
LEARNING**

20AIM83A

A PROJECT PHASE-2 REPORT

on

“Automation of Statistical Aid to Data Engineering”

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

in

ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

by

BILAL KHAN : 1NH20AI017

MOHAMMED FAISAL ABDULLA : 1NH20AI062

GOVIND KUMAR JHA : 1NH21AI400

Under the guidance of

Dr. Sonia Maria D'Souza

Associate Professor

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

NEW HORIZON COLLEGE OF ENGINEERING, BANGALORE, 560103

2023-24



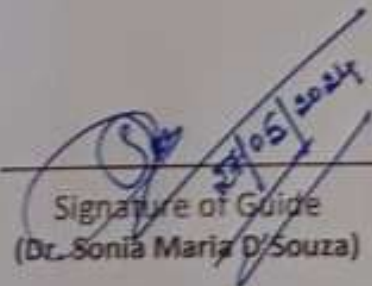
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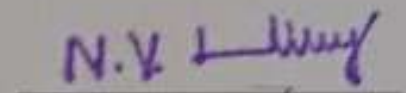
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**DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND
MACHINE LEARNING**

CERTIFICATE

It is hereby certified that the Project work entitled "Automation of Statistical Aid to Data Engineering" is a bonafide work carried out by BILAL KHAN (1NH20AI017), MOHAMMED FAISAL ABDULLA (1NH20AI062) and GOVIND KUMAR JHA (1NH21AI4010) in partial fulfilment for the award of Bachelor of Engineering in ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING 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. Sonia Maria D'Souza)


Signature of HOD
(Dr.UMA REDDY N V)

External Viva

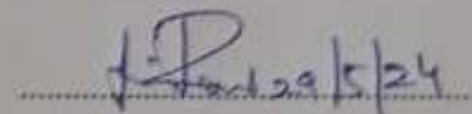
Name of Examiner

Signature with date

1. Dr. S. Umamaheswari



2. PROF. RAVI LANKE


29/5/24



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DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

20AIM83A

A PROJECT PHASE-2 REPORT

on

“DEEPFAKE DETECTION USING MULTI MODAL APPROACH”

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

in

ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

by

BALAJI V: 1NH20AI013

D SAI VAMSI: 1NH20AI029

K JOEL PRANEETH: 1NH20AI045

KUSHAL KUMAR M: 1NH20AI052

Under the guidance of

Ms Bindu S

Assistant Professor

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

NEW HORIZON COLLEGE OF ENGINEERING, BANGALORE, 560103

2023-24

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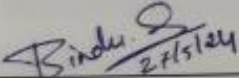
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DEPARTMENT OF ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

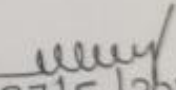
CERTIFICATE

It is hereby certified that the Project work entitled "DEEPFAKE DETECTION USING MULTIMODAL APPROACH" is a bonafide work carried out by BALAJI V (1NH20AI013), SAI VAMSI (1NH20AI029), JOEL PRANEETH (1NH20AI045) and KUSHAL KUMAR (1NH20AI052) in partial fulfilment for the award of Bachelor of Engineering in ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING 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.


27/5/24

Signature of Guide

(Ms. Bindu S)

N V. I 
27/5/2024

Signature of HOD

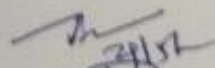
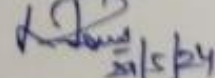
(Dr. Uma Reddy N V)

SEE VIVA VOCE

Name of Examiner

1. Dr. S. Chandrahasan
2. PROF. RAVI LANKE

Signature with date


27/5/24

27/5/24

...



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**DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE
LEARNING**

20AIM83A

A PROJECT PHASE-2 REPORT

on

**“DETECTION OF INTRACRANIAL HEMORRHAGE FROM
CT SCANS USING DEEP LEARNING”**

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

in

ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

By

N.VENKATA DEVAGNAA : 1NH20AI068

NIKHIL MANNE : 1NH20AI070

Under the guidance of

Dr. SOWMYA HK

Associate Professor

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

NEW HORIZON COLLEGE OF ENGINEERING, BANGALORE, 560103

2023-2024



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DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

CERTIFICATE

It is hereby certified that the Project work entitled **DETECTION OF INTRACRANIAL HEMORRHAGE FROM CT SCANS USING DEEP LEARNING** is a bonafide work carried out by **N.VENKATA DEVAGNAA(1NH20AI068), NIKHIL MANNE(1NH20AI070)** in partial fulfilment for the award of **Bachelor of Engineering in ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING** 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. SOWMYA HK)

Signature of HOD
(Dr. UMA REDDY N V)

External Viva

Name of Examiner

Signature with date

1.

2.



NEW HORIZON COLLEGE OF ENGINEERING

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DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

A PROJECT PHASE-2 REPORT (20AIM83A)

ON

“Developing a Proactive Ensemble Learning System for Malware Detection”

Submitted in partial fulfilment for the award of the degree of

BACHELOR OF ENGINEERING

IN

ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

By

PRAKKI USHA JYOTHI -1NH20AI077

THATIGOTLA JAYALAKSHMI -1NH20AI109

Under the guidance of

Ms. RAJASREE R S

Sr. Assistant Professor

**DEPARTMENT OF ARTIFICIAL INTELLIGENCE & MACHINE LEARNING
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 ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

CERTIFICATE

It is hereby certified that the Project work entitled "DEVELOPING A PROACTIVE ENSEMBLE LEARNING SYSTEM FOR MALWARE DETECTION" is a bonafide work carried out by USHA JYOTHI (1NH20AI077), T JAYALAKSHMI(1NH20AI109), in partial fulfilment for the award of Bachelor of Engineering in ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING of NewHorizon 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. Rajasree R S)

Signature of HOD
(Dr. Uma Reddy N V)

SEE VIVA VOCE

Name of Examiner

1. Arun Kumar S
2. Dr. B. Meenachin Sundaram

Signature with date



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**DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE
LEARNING**

20AIM83A

A PROJECT PHASE-2 REPORT

on

“DISEASE PROGNOSTICATOR”

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

in

ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

by

Nischith L : 1NH20AI071

Priya N : 1NH20AI080

Neha Darawan : 1NH20AI127

Shambhavi Dwivedi : 1NH20AI136

Under the guidance of

Ms. Bindu S

Assistant Professor

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

NEW HORIZON COLLEGE OF ENGINEERING, BANGALORE, 560103

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 ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

CERTIFICATE

It is hereby certified that the Project work entitled "DISEASE PROGNOSTICATOR" is a bonafide work carried out by NISCHITH L (1NH20AI071), PRIYA N (1NH20AI080), NEHA DARAWAN (1NH20AI127), SHAMBHAVI DWIVEDI (1NH20AI136) in partial fulfilment for the award of Bachelor of Engineering in ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING 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.

Bindu S
24/05/24

Signature of Guide
(Ms. Bindu S)

N.V. Uma

Signature of HOD
(Dr.UMA REDDY N V)

External Viva

Name of Examiner

Signature with date

1. *Dr. B. Muneeshwari Endaram*

B. Muneeshwari Endaram
24/05/24

2. *Anu Kumar S*

Anu Kumar S
24/05/24



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A PROJECT PHASE-2 REPORT (20AIM83A)

ON

“Flashback.ai: A Digital Second Brain”

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

IN

ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

BY

A Sharath Ram -1NH20AI001

Abhishek Narisepalli Venkata Sai -1NH20AI002

Atman Mishra -1NH20AI010

Under the guidance of

Ms. Rajashree R S

Senior Assistant Professor

**DEPARTMENT OF ARTIFICIAL INTELLIGENCE &
MACHINE LEARNING**

NEW HORIZON COLLEGE OF ENGINEERING

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Accredited by NAAC 'A', Accredited by NBA

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

Academic Year: 2023-24



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DEPARTMENT OF ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

CERTIFICATE

It is hereby certified that the Project work entitled “Flashback.ai: A Digital Second Brain” is a bonafide work carried out by **A Sharath Ram (1NH20AI001)**, **Abhishek Narisepalli Venkata Sai (1NH20AI002)**, **Atman Mishra (1NH20AI010)** in partial fulfillment for the award of **Bachelor of Engineering in Artificial Intelligence and Machine Learning** 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. Rajashree R S)

Signature of HOD
(Dr. Uma Reddy N V)

SEE VIVA VOCE

Name of Examiner

1. Dr. B. Meenakshi Sundaram
2. Anur Kumar

Signature with date



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A PROJECT PHASE-2 REPORT (20AIM83A)

ON

**"A FULL-FLEDGED COMMUNICATION PLATFORM WITH
ENHANCED ACCESSIBILITY AND FUNCTIONALITY"**

Submitted in partial fulfillment for the award of the degree of

**BACHELOR OF ENGINEERING IN
ARTIFICIAL INTELLIGENCE & MACHINE LEARNING
BY**

**ADHITHYA B N (1NH20AI003)
CHRIS VINSON KUNNANKADA (1NH20AI022)
PRANIT PRAKASH PRABHU (1NH20AI078)
CHANDAN ABHISHEK S (1NH20AI123)**

Under the guidance of

**Dr. Sreejith S
Associate Professor**

**DEPARTMENT OF ARTIFICIAL INTELLIGENCE & MACHINE
LEARNING**

NEW HORIZON COLLEGE OF ENGINEERING
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Academic Year: 2023-24



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DEPARTMENT OF ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

CERTIFICATE

It is hereby certified that the Project Phase-2 work entitled "A full-fledged communication platform with enhanced accessibility and functionality." is a bonafide work carried out by ADHITHYA B N(1NH20AI003), CHRIS VINSON KUNNANKADA (1NH20AI022), PRANIT PRAKASH PRABHU(1NH20AI078), CHANDAN ABHISHEK S (1NH20AI123) in partial fulfillment for the award of Bachelor of Engineering in ARTIFICIAL INTELLIGENCE & MACHINE LEARNING 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. Sreejith S)

27/5/24

Signature of HOD

(Dr. Uma Reddy N V)

SEE VIVA VOCE

Name of Examiner

Signature with date

1. Dr. S. Venamachewaran

29/5/24

2. PROF. RAVI LANKE



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**DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE
LEARNING**

20AIM83A

A PROJECT PHASE-2 REPORT

on

**“Graph based Retrieval Augmentation for Education
and Learning”**

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

in

ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

by

DHARSHAN AN : 1NH20AI026

G SAI CHARAN: 1NH20AI031

JAYAVIBHAV NK: 1NH20AI035

K MANISH : 1NH20AI038

Under the guidance of

Dr. Umamaheswaran S

Professor

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

NEW HORIZON COLLEGE OF ENGINEERING, BANGALORE, 560103

2023-24



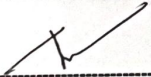
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DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

CERTIFICATE

It is hereby certified that the Project work entitled "Graph based retrieval augmentation for education and learning" is a bonafide work carried out by DHARSHAN AN(1NH20AI026), G SAI CHARAN(1NH20AI031), JAYAVIBHAV NK(1NH20AI035), K MANISH(1NH20AI038) in partial fulfilment for the award of Bachelor of Engineering in ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING 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.

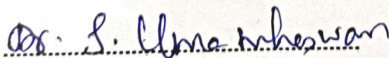

Signature of Guide
(Dr. UMAMAHESWARAN S)


Signature of HOD
(Dr. UMA REDDY N V)

External Viva


Name of Examiner

Signature with date

1. 

 29/5/24

2. 





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**DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE
LEARNING**

20AIM83A

A PROJECT PHASE-2 REPORT

on

**“HERBX INSIGHT: UNVEILING THE POTENCY OF
AYURVEDIC PLANTS”**

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

in

ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

by

1. JANAPATI NEERAJ : 1NH20AI033
2. LINGALA NAGA MALLESHWAR REDDY : 1NH20AI053
3. MATAM DINESH CHANDRA : 1NH20AI059
4. METUKURU SRI CHARAN REDDY : 1NH20AI060

Under the guidance of

DR. SOWMYA H K

ASSOCIATE PROFESSOR

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

NEW HORIZON COLLEGE OF ENGINEERING, BANGALORE, 560103

ACADEMIC YEAR: 2023-24



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DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

CERTIFICATE

It is hereby certified that the Project work entitled “ **HERBX INSIGHT: UNVEILING THE POTENCY OF AYURVEDIC PLANTS** ” is a bonafide work carried out by **JANAPATI NEERAJ (1NH20AI033), LINGALA NAGA MALLESWAR REDDY (1NH20AI053), MATAM DINESH CHANDRA (1NH20AI059), METUKURU SRI CHARAN REDDY (1NH20AI060)** in partial fulfilment for the award of **Bachelor of Engineering in ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING** 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. Sowmya H K)

Signature of HOD
(Dr. UMA REDDY N V)

External Viva

Name of Examiner

1. Prof. Arun Kumar S
2. Rajasee R.

Signature with date



NEW HORIZON COLLEGE OF ENGINEERING

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A PROJECT PHASE-II REPORT ON INTERDISCIPLINARY PROJECT TITLED

“Machine Olfaction : Creating a Digital Nose “

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

IN

ARTIFICIAL INTELLIGENCE AND MACHINE

LEARNING

BY

ARITROO CHOWDHURY- 1NH20AI141

TALHA KHAN - 1NH20AI106

UMAIR AHMED - 1NH20AI110

BACHELOR OF ENGINEERING

IN

ELECTRONICS AND COMMUNICATION

ENGINEERING

BY

SUDEEP V D -1NH20EC164

Under the guidance of

Ms. SUPRIYA B RAO

Assistant Professor

Under the guidance of

Mr. PRATHEEK CHATTERJEE

Assistant Professor

Academic Year: 2023-24



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DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

CERTIFICATE

It is hereby certified that the interdisciplinary project phase-II work entitled "**Machine Olfaction : Creating a Digital Nose**" is a bonafide work carried out by **ARITROO KUMAR CHOWDHURY (1NH20AI141)**, **UMAIR AHMED (1NH20AI110)** and **TALHA KHAN (1NH20AI106)** in partial fulfilment for the award of **Bachelor of Engineering in ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING** 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

Ms. SUPRIYA B RAO

Signature of Guide

Mr. PRATHIK CHATTERJEE

Signature of HOD

Dr. N V UMA REDDY

SEE Viva

Name of Examiner

1. Mr. Anun Kumar S

2. Dr. S. Chandrahasan

Dr. Kavita. A. Patil.

Signature with date



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**DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE
LEARNING**

20AIM83A

A PROJECT PHASE-2 REPORT

on

**“ MANAS- WEAVING TECH AND SCIENCE FOR MENTAL
WELL-BEING ”**

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

in

ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

By

Jayashree M Gadwal :1NH20AI034

Rohan Rai :1NH20AI088

Sri Darshan :1NH20AI140

Vaishnavi R :1NH21AI401

Under the guidance of

Dr. Sonia Maria Dsouza

Associate Professor

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

NEW HORIZON COLLEGE OF ENGINEERING, BANGALORE, 560103

2023-24



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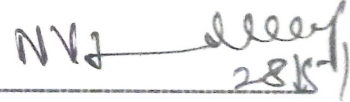
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DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

CERTIFICATE

It is hereby certified that the Project work entitled "MANAS- Weaving Tech And Science For Mental Well-Being" is a bonafide work carried out by Jayashree M Gadwal (1NH20AI034), Rohan Rai (1NH20AI088), Sri Darshan (1NH20AI140) and Vaishnavi R (1NH21AI401) in partial fulfilment for the award of Bachelor of Engineering in ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING 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. Sonia Maria Dsouza)


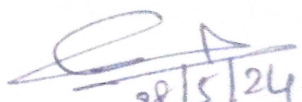

Signature of HOD
(Dr.UMA REDDY N V)

External Viva

Name of Examiner

Signature with date

1. SYED HAYATH
2. Dr. PRIANVA .R.R

 28/5/24
 28/5/24



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**DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE
LEARNING**

20AIM83A

A PROJECT PHASE-2 REPORT

on

“MEDICHRON”

Submitted in partial fulfilment for the award of the degree of

BACHELOR OF ENGINEERING

in

Artificial Intelligence and Machine Learning

by

PROGYAJYOTI MUKHERJEE -1NH20AI081

SUHAIL SHAIK -1NH20AI096

SYED AAMIR -1NH20AI103

ABHISHEK SINGH -1NH20AI129

Under the guidance of

Dr. SREEJITH S.

ASSOCIATE PROFESSOR

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING NEW

HORIZON COLLEGE OF ENGINEERING, BANGALORE, 560103

2023-24



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DEPARTMENT OF ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

CERTIFICATE

It is hereby certified that the Project Phase-2 work entitled "MEDICHRON" is a bonafide work carried out by **PROGYAJYOTI MUKHERJEE (1NH20AI081)**, **SUHAIL SHAIK (1NH20AI096)**, **SYED AAMIR(1NH20AI103)** and **ABHISHEK SINGH(1NH20AI129)** in partial fulfilment for the award of **Bachelor of Engineering in ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING** 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. Sreejith S)

Signature of HOD
(Dr. Uma Reddy N V)

SEE VIVA VOCE

Name of Examiner

1. SYED HAYATH
2. Dr. Priyanka R R

Signature with date



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DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

20AIM83A

A PROJECT PHASE-2 REPORT

on

“MULTILINGUAL TEXT TO IMAGE GENERATION”

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

in

ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

by

ANUSHREE P	1NH20AI008
B VISHNU VARDHAN REDDY	1NH20AI012
KEERTHANA N	1NH20AI048
NAGALEEKAR NIKITHA	1NH20AI067

Under the guidance of

Dr. Prianka R R

Senior Assistant Professor

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

NEW HORIZON COLLEGE OF ENGINEERING, BANGALORE-560103

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DEPARTMENT OF ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

CERTIFICATE

It is hereby certified that the Project work entitled "Multilingual Text to Image Generation" is a bonafide work carried out by Anushree P(1NH20AI008), B Vishnu Vardhan Reddy(1NH20AI012), Keerthana N(1NH20AI048), Nagaleekar Nikitha(1NH20AI067) in partial fulfilment for the award of Bachelor of Engineering in ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING 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. Prianka R R)

Signature of HOD

(Dr. Uma Reddy N V)

SEE VIVA VOCE

Name of Examiner

1. Syed Hayath
2. Dr. Prianka R R

Signature with date



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**DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE
LEARNING**

20AIM82A

A PROJECT PHASE-2 REPORT

on

“Personalized dietary guidance with AI”

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

in

ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

by

CHARAN C : 1NH20AI020

FIZZA MIRZA : 1NH20AI030

M KARTHIK KUMAR : 1NH20AI055

MIHIR GUPTA : 1NH20AI061

Under the guidance of

Dr. Sreejith S

Associate Professor

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

NEW HORIZON COLLEGE OF ENGINEERING, BANGALORE, 560103

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DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

CERTIFICATE

It is hereby certified that the Project work entitled "**NutriGen: Personalized dietary guidance with AI**" is a bonafide work carried out by CHARAN C (1NH20AI020), FIZZA MIRZA (1NH20AI030), M KARTHIK KUMAR (1NH20AI055) and MIHIR GUPTA (1NH20AI061) in partial fulfilment for the award of Bachelor of Engineering in ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING 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. Sreejith S)

Signature of HOD
(Dr. UMA REDDY N V)

External Viva

Name of Examiner

Signature with date

1. SYED HAYATH

2. Dr. PRIYANKA R. R



**NEW HORIZON
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**DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND
MACHINE LEARNING**

20AIM83A

A PROJECT PHASE-2 REPORT

on

“PERIODONTAL BONE LOSS DETECTION USING CNN”

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

in

ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

by

K. SASIKIRAN REDDY : 1NH20AI042

P. SAKETH SREE RAM : 1NH20AI075

R. ROOPAM CHOWDARY : 1NH20AI085

C. ROHITH KUMAR : 1NH20AI124

Under the guidance of

Ms. KS SHASHIKALA

Senior Assistant Professor

**DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE
LEARNING**

NEW HORIZON COLLEGE OF ENGINEERING, BANGALORE, 560103

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DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

CERTIFICATE

It is hereby certified that the Project work entitled “Periodontal Bone Loss Detection” is a bonafide work carried out by K. SASIKIRAN REDDY (1NH20AI042), P. SAKETH SREE RAM (1NH20AI075), R. ROOPAM CHOWDARY (1NH20AI085), C. ROHITH KUMAR (1NH20AI124) in partial fulfilment for the award of Bachelor of Engineering in ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING 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. KS SHASHIKALA)

Signature of HOD 25/5/24
(Dr.UMA REDDY N V)

External Viva

Name of Examiner

Signature with date

1. Anun Kumar S

25/5/24

2. Rajasree R.S.

28/5/24



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**DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND
MACHINE LEARNING**

20AIM83A

A PROJECT PHASE-2 REPORT

on

“Precision Farming with AI for Optimal Crop Yield and Health”

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

in

**ARTIFICIAL INTELLIGENCE AND MACHINE
LEARNING**

by

A.VIGNESH REDDY : 1NH20AI007

D.GIRIHAS REDDY: 1NH20AI023

DAKSHA TM: 1NH20AI025

KUSHAL KULANDAIVELU: 1NH20AI051

Under the guidance of

Ms. Jimsha K Mathew

Senior Assistant Professor

**DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE
LEARNING**

NEW HORIZON COLLEGE OF ENGINEERING, BANGALORE, 560103

2023-24



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DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING CERTIFICATE

It is hereby certified that the Project work entitled "**Precision Farming with AI for Optimal Crop Yield and Health**" is a bonafide work carried out by A.VIGNESH REDDY 1NH20AI007 , D.GIRIHAS REDDY 1NH20AI023, DAKSHA TM 1NH20AI025 and KUSHAL KULANDAIVELU 1NH20AI051 in partial fulfilment for the award of Bachelor of Engineering in ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING 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. Jimsha K Mathew)

Signature of HOD
(Dr.UMA REDDY N V)

External Viva

Name of Examiner

Signature with date

1. Dr. S. Venkateswaram

2. PROF. RAVI LANKE



**NEW HORIZON
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**DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE
LEARNING**

20AIM83A

A PROJECT PHASE-2 REPORT

on

“PRODUCT RECOMMENDATIONS USING BODY MEASUREMENT”

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

in

ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

by

K VAMSHIVARDHAN: 1NH20AI049

PUNEET VERNEKAR: 1NH20AI082

RAHUL RAVINDRA: 1NH20AI084

VIGNESH BHARADWAJ: 1NH20AI118

Under the guidance of

Mr. RAMESH PRASAD

Senior Assistant Professor

**DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING
NEW HORIZON COLLEGE OF ENGINEERING, BANGALORE, 560103**

2023-24



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DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

CERTIFICATE

It is hereby certified that the Project work entitled "PRODUCT RECOMMENDATIONS USING BODY MEASUREMENT" is a bonafide work carried out by K VAMSHIVARDHAN (1NH20AI049), PUNEET VERNEKAR (1NH20AI082), RAHUL RAVINDRA (1NH20AI084), VIGNESH BHARADWAJ (1NH20AI118) in partial fulfilment for the award of Bachelor of Engineering in ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING 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. Ramesh Prasad)

Signature of HOD
(Dr. UMA REDDY N V)

External Viva

Name of Examiner

Signature with date

1. Arjun Kumar S

Arjun Kumar S
28/5/24

2. Rajasekar K

Rajasekar K
28/5/24



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**DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE
LEARNING**

20AIM83A

A PROJECT PHASE-2 REPORT

on

**“ProductGuard: Empowering Informed Choices for Safe
Living”**

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

in

ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

by

ADITYA S MANAKAR : 1NH20AI005

ARSHAD PASHA : 1NH20AI009

JIYA ANN ELIAS : 1NH20AI037

KARTIKEY TIWARI : 1NH20AI044

Under the guidance of

Ms. Sandyarani Vadlamudi

Senior Assistant Professor

**DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING
NEW HORIZON COLLEGE OF ENGINEERING, BANGALORE, 560103**

2023-24



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DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

CERTIFICATE

It is hereby certified that the Project work entitled "**ProductGuard: Empowering Informed Choices for Safe Living**" is a bonafide work carried out by ADITYA S MANAKAR (1NH20AI005), ARSHAD PASHA (1NH20AI009), JIYA ANN ELIAS (1NH20AI037), KARTIKEY TIWARI (1NH20AI044) in partial fulfilment for the award of Bachelor of Engineering in ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING 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. SANDYARANI V)

Signature of HOD
(Dr. UMA REDDY N V)

External Viva

Name of Examiner

Signature with date

1. Arun Kumar S

2. Ragasee R.S.



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**DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE
LEARNING**

20AIM83A

A PROJECT PHASE-2 REPORT

On

**“REAL TIME DRIVER DROWSINESS DETECTION AND
ALERT SYSTEM”**

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

in

ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

by

EVENGILINE S : 1NH20AI091

VANDHANA M NAIR : 1NH20AI113

VR GEETHIKA REDDY : 1NH20AI114

Under the guidance of

Ms. RAJASREE R S

SENIOR ASSISTANT PROFESSOR

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

NEW HORIZON COLLEGE OF ENGINEERING, BANGALORE, 560103

2023-24



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DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

CERTIFICATE

It is hereby certified that the Project work entitled "REAL TIME DRIVER DROWSINESS DETECTION AND ALERT SYSTEM" is a bonafide work carried out by EVENGILINE S(1NH20AI091), VANDHANA M NAIR (1NH20AI113) and VR GEETHIKA REDDY (1NH20AI114) in partial fulfilment for the award of Bachelor of Engineering in ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING 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./Mr./Ms. Guide Name)

Signature of HOD
(Dr.UMA REDDY N V)

External Viva

Name of Examiner

Signature with date

1. Dr. B. Meenakshi Sundaram

29/05/24

2. Arun Kumar J

29/05/24



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**DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE
LEARNING**

20AIM83A

A PROJECT PHASE-2 REPORT

on

“Real-Time Sign Language Translation API”

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

in

ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

by

DIVYESH JAISWAL : 1NH20AI131

RISHABH SOLANKI SINGH : 1NH20AI087

ROHITH M S : 1NH20AI090

TANYA SINGH : 1NH20AI107

Under the guidance of

Dr. Prianka R.R

Senior Assistant Professor

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

NEW HORIZON COLLEGE OF ENGINEERING, BANGALORE, 560103

2023-24



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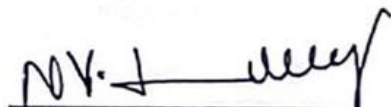
DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

CERTIFICATE

It is hereby certified that the Project work entitled "Real-Time Sign Language Translation API" is a bonafide work carried out by DIVYESH JAISWAL (1NH20AI131), RISHABH SOLANKI SINGH (1NH20AI087), ROHITH M S (1NH20AI090) and TANYA SINGH (1NH20AI107) in partial fulfilment for the award of Bachelor of Engineering in ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING 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. PRIANKA R R



Signature of HOD
Dr.UMA REDDY N V

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Name of Examiner

1. Syed Haya H
2. Dr. Prianka R R

Signature with date






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**A PROJECT PHASE-II REPORT
ON
INTERDISCIPLINARY PROJECT TITLED**

**“Smart Helper : A Voice Guided Assistance for Visually
Impaired”**

Submitted in partial fulfillment for the award of the degree of

**BACHELOR OF ENGINEERING
IN
ARTIFICIAL INTELLIGENCE AND MACHINE
LEARNING
BY**

K S Dhruva Teja -1NH20AI039
M Praveen Reddy -1NH20AI065
Jaswanth Reddy – 1NH20AI117

Under the guidance of
Prof. K S Shashikala
Senior Assistant Professor

**BACHELOR OF ENGINEERING
IN
ELECTRONICS AND COMMUNICATION
ENGINEERING
BY**

S M Prassana - 1NH19EC153

Under the guidance of
Mr. Srinivas Babu
Assistant Professor

Academic Year: 2023-24



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DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

CERTIFICATE

It is hereby certified that the Interdisciplinary project phase-II work entitled "Smart Helper: A Voice Guided Assistance for Visually Impaired" is a bonafide work carried out by K S Dhruva Teja (1NH20AI039) M Praveen Reddy (1NH20AI065) Jaswanth Kumar Reddy (1NH20AI117) in partial fulfilment for the award of Bachelor of Engineering in ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING 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

(Prof. K S Shashikala)

Signature of Guide

(Mr. Srinivas Babu)

Signature of HOD

(HOD-AIML)

SEE Viva

Name of Examiner

1. Anu Kumar S

2. Dr. S. Chandra

Signature with date



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A PROJECT PHASE-2 REPORT (20AIM78A) ON

"SOCIABLE SIDEKICK: REVOLUTIONALIZING PET CARE WITH TECHNOLOGY"

Submitted in partial fulfilment for the award of the degree of

BACHELOR OF

ENGINEERING IN

ARTIFICIAL INTELLIGENCE AND MACHINE

LEARNING

BY

NIHAR KANCHAM -1NH20AI069

KRUTHIK M – 1NH20AI137

ADUSUMALLA SAI ROOPESH – 1NH20AI132

Under the guidance of

Ms. Thanu Deepu George

Sr Asst. Prof. Department of Artificial Intelligence and Machine Learning

**DEPARTMENT OF ARTIFICIAL INTELLIGENCE &
MACHINE LEARNING**

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Accredited by NAAC 'A,' Accredited by NBA

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

Academic Year: 2023-24



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DEPARTMENT OF ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

CERTIFICATE

It is hereby certified that the Project Phase-1 work entitled "AN AI/KPI BASED MOTIVATIONAL ENHANCEMENT HRM BUNDLE" is a Bonafide work carried out by **NIHAR KANCHAM (1NH20AI069)**, **KRUTHIK M (1NH20AI137)**, **ADUSUMALLA SAI ROOPESH (1NH20AI132)** in partial fulfilment for the award of **Bachelor of Engineering** in **ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING** 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. Thanu Deepu George)

Signature of HOD

(Dr. Uma Reddy N V)

SEE VIVA VOCE

Name of Examiner

Signature with date

1. Arun Kumar S

2. Dr. B. Manuachi Indam



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A PROJECT PHASE-II REPORT
ON
INTERDISCIPLINARY PROJECT TITLED

**“Sonic Insights: Revolutionizing Lung Disease Analysis and
Prediction with Lung Beats “**

Submitted in partial fulfilment for the award of the degree of

BACHELOR OF ENGINEERING
IN
ARTIFICIAL INTELLIGENCE & MACHINE
LEARNING
BY

Avneesh Tamra -1NH20AI011

Vejandla Mahesh Babu -1NH20AI115

Rachit Shrivastava – 1NH20AI128

Under the guidance of

Mrs. Supriya B Rao

Assistant Professor

BACHELOR OF ENGINEERING
IN
ELECTRONICS AND COMMUNICATION
ENGINEERING
BY

Alan Derryl A -1NH20EC009

Under the guidance of

Ms. Amarjeet Pal Cheema

Assistant Professor

Academic Year: 2023-24



2. Dr. S. C. Sengupta
Dr. Kavita, A. Pati



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**DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE
LEARNING**

20AIM83A

A PROJECT PHASE-2 REPORT

on

**“STABLE DIFFUSION INPAINTING WITH SEGMENT
ANYTHING MODEL”**

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

in

ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

by

SOORYENDHU PRAMODH : 1NH20AI100

SOUMYA ASATI : 1NH20AI101

SYED ROSHAN : 1NH20AI105

VIGNESH PRABHU : 1NH20AI119

Under the guidance of

Dr.SOWMYA HK

Associate Professor

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

NEW HORIZON COLLEGE OF ENGINEERING, BANGALORE, 560103

2023-24



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DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

CERTIFICATE

It is hereby certified that the Project work entitled "STABLE DIFFUSION INPAINTING WITH SEGMENT ANYTHING MODEL" is a bonafide work carried out by SOORYENDHU PRAMODH (1NH20AI100), SOUMYA ASATI (1NH20AI101), SYED ROSHAN (1NH20AI105) and VIGNESH PRABHU (1NH20AI119) in partial fulfilment for the award of Bachelor of Engineering in ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING 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.SOWMYA HK

Signature of HOD
Dr.UMA REDDY N V

External Viva

Name of Examiner

Signature with date

1. SYED HAYATH

Syedth 28/5/24

2. Dr. PRIANNA R.R

28/5/24



NEW HORIZON COLLEGE OF ENGINEERING

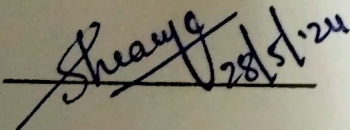
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DEPARTMENT OF ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

CERTIFICATE

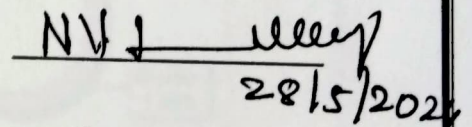
It is hereby certified that the Project work entitled "STOP COUNTERFEIT PRODUCTS WITH BLOCKCHAIN" is a bonafide work carried out by D Hemanth (1NH20AI028) and K Partha Sai (1NH20AI050) in

partial fulfilment for the award of Bachelor of Engineering in ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING 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.

 28/5/24

Signature of Guide

(Ms. Shravya
Shetty)

 28/5/2024

Signature of HOD

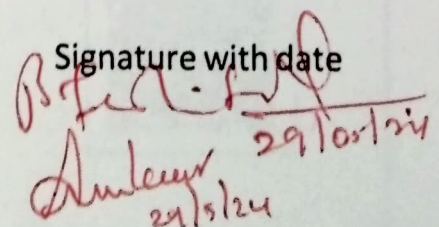
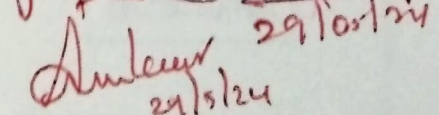
(Dr. Uma Reddy N V)

SEE VIVA VOCE

Name of Examiner

1. Dr. B. Manachhindam
2. Anun Kumar S

Signature with date

 29/05/24
 29/5/24

CHAPTER 1

1.INTRODUCTION

1.1 DOMAIN INTRODUCTION

In an undeniably interconnected and globalized world, the issue of item genuineness has become the dominant focal point. From extravagance merchandise to drugs, the commonness of fake items presents financial difficulties as well as serious dangers to customers' wellbeing and security. As customers request more noteworthy straightforwardness and responsibility in the items they buy, organizations look for creative answers to protect their image respectability. In light of this developing concern, blockchain innovation has arisen as a game-changing answer to guarantee item genuineness. Blockchain, initially intended to support digital forms of money, has now extended its utility past advanced monetary standards. Its core elements of straightforwardness, permanence, and security make it an optimal contender for resolving the complicated issue of item legitimacy. In this unique situation, a Blockchain-Based Answer for Item Genuineness offers a promising way ahead. This presentation makes way for a thorough investigation of how blockchain innovation can reform the manner in which we confirm the genuineness of items all through their store network venture. It dives into the meaning of straightforwardness, immutability, and security in guaranteeing item genuineness, and the effect such an answer can have on customer trust, brand assurance, and worldwide exchange. As we venture into the world of blockchain-based item genuineness arrangements, it becomes obvious that this technology holds the possibility to change enterprises and rethink the way we interact with the items we purchase and use.



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**DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE
LEARNING**

20AIM83A

A PROJECT PHASE-2 REPORT

on

**“Stress Analysis and Prediction using Machine Learning
with EEG”**

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

in

ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

by

NIKITHA B :1NH20AI015

MUKKA PRAHITHA :1NH20AI064

SINCHANA T G :1NH20AI098

YEDDULA YASHASWINI :1NH20AI122

Under the guidance of

Dr. N V Uma Reddy

Professor and Head

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

NEW HORIZON COLLEGE OF ENGINEERING, BANGALORE, 560103

2023-24



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**DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND
MACHINE LEARNING**

CERTIFICATE

It is hereby certified that the Project work entitled "Stress Analysis and Prediction System Using Machine Learning with EEG " is a bonafide work carried out by NIKITHA B (1NH20AI015), MUKKA PRAHITHA (1NH20AI064), SINCHANA T G (1NH20AI098), YEDDULA YASHASWINI (1NH20AI122) in partial fulfilment for the award of Bachelor of Engineering in ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING 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.

N.V. J. Reddy

Signature of Guide
(Dr. N V UMA REDDY)

N.V. J. Reddy

Signature of HOD
(Dr. N V UMA REDDY)

External Viva

Name of Examiner

Signature with date

1. Anur Kumar

Anur Kumar

2. Rajasekar P.

Rajasekar P.
28/1/24



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**DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND
MACHINE LEARNING**

20AIM83A

A PROJECT PHASE-2 REPORT

on

**“A DEEP LEARNING APPROACH TOWARDS THE
DETECTION OF KIDNEY STONE USING CT SCAN
IMAGES”**

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

in

**ARTIFICIAL INTELLIGENCE AND MACHINE
LEARNING**

by

**PANABAKAM NIHARIKA : 1NH20AI125
NEEHIKA P SETTYPALLI : 1NH20AI130**

Under the guidance of

Ms. Jimsha K Mathew
Senior Assistant Professor

**DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE
LEARNING
NEW HORIZON COLLEGE OF ENGINEERING, BANGALORE,
560103,
2023-2024**



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DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

CERTIFICATE

It is hereby certified that the Project work entitled "A DEEP LEARNING APPROACH TOWARDS THE DETECTION OF KIDNEY STONE USING CT SCAN IMAGES" is a bonafide work carried out by PANABAKAM NIHARIKA (1NH20AI125) and NEEHIKA P SETTYPALLI (1NH20AI130) in partial fulfillment for the award of Bachelor of Engineering in ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING 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. JIMSHA K MATHEW)

25/5/24

Signature of HOD
(Dr. UMA REDDY N V)

External Viva

Name of Examiner

1. Arun Kumar
2. Dr. B. Meenakshi Lakshmi

Signature with date

25/5/24

25/5/24



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

**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
IN
ARTIFICIAL INTELLIGENCE AND MACHINE
LEARNING ENGINEERING
BY**

PALLAVI SHARMA -1NH20AI074

PRASANNA KOTYAL -1NH20AI079

SMIRNA PAUL -1NH20AI099

Under the guidance of

Mrs. Jimsha K Mathew

Senior Assistant Professor

**BACHELOR OF ENGINEERING
IN
COMPUTER ENGINEERING
BY**

SHADAB KHAN N A -1NH20CE043

Under the guidance of

Ms. Mehda B

Senior Assistant Professor

Academic Year: 2023-24



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DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

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 PALLAVI SHARMA (1NH20AI074), PRASANNA KOTYAL (1NH20AI079) and SMIRNA PAUL (1NH20AI099) in partial fulfilment for the award of Bachelor of Engineering in ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING 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

(Mrs. Jimsha K Mathew)

Signature of Guide

(Ms. Mehda B)

Signature of HOD

(HOD-AIML)

SEE Viva

Name of Examiner

1.

2.

Signature with date