NEW HORIZON COLLEGE OF ENGINEERING

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)

FIELD PROJECT UNDERTAKEN BY STUDENTS - AY 2025-26

TEAM NO	DEPT	INTERNAL /EXTERNAL	PROJECT TITLE	USN	NAME OF THE STUDENT	ORGANIZATION	PROJECT DURATION	GUIDE NAME
1	CSE(DS)	INTERNAL	Voice Driven Multi-Modal EDA Story Teller	1NH22CD036	Janhavi KS	NHCE	8 MONTHS	Ms Swati Sehgal
		INTERNAL		1NH22CD140	Janhavi B Reddy		8 MONTHS	
		INTERNAL		1NH23CD400	D Nandhi		8 MONTHS	
		INTERNAL		1NH23CD406	Nisarga GY		8 MONTHS	
2	CSE(DS)	INTERNAL	MINDLOOP	1NH22CD048	Keerthan Poovaiah	NHCE	8 MONTHS	Ms.T.Sasikala
		INTERNAL		1NH22CD107	Srikara		8 MONTHS	
		INTERNAL		1NH22CD030	G Shreyas Shetty		8 MONTHS	
		INTERNAL		1NH22CD099	Sathwik		8 MONTHS	
3	CSE(DS)	INTERNAL	AI IN HEALTHCARE A PREDICTIVE CHAT BOTMODEL INFECTIOUS DISEASE MANAGEMENT	1NH22CD021	Bendi Dekshith Sree Charan	NHCE	8 MONTHS	Ms. Anju K
		INTERNAL		1NH22CD052	Konka Yashwanth Sai		8 MONTHS	
		INTERNAL		1NH22CD070	Mungara Sai Pranav		8 MONTHS	
		INTERNAL		1NH22CD143	Paritala Mokshanth		8 MONTHS	
4	CSE(DS)	INTERNAL	City Scape AI-Smart Resilience City Platform	1NH22CD121	Tuhin Ghosh	NHCE	8 MONTHS	Mr Shankaldeep
		INTERNAL		1NH22CD115	Tanisha Swami		8 MONTHS	
		INTERNAL		1NH22CD072	Naman Upreti		8 MONTHS	
		INTERNAL		1NH22CD141	Mir Kirdar Abbas		8 MONTHS	
5	CSE(DS)	INTERNAL	Decentralized Traceability And Direct Marketing Of Agriculture Supply Chains	1NH22CD028	Dheeraj Arvind	NHCE	8 MONTHS	Ms Pramila S
		INTERNAL		1NH22CD039	Harsha Vardhan		8 MONTHS	
		INTERNAL		1NH22CD045	K Sandeep		8 MONTHS	
		INTERNAL		1NH22CD009	Akash Kengua		8 MONTHS	
6	CSE(DS)	INTERNAL	GlowBuddy- A tokenized reward, health and wellness application using blockchain	1NH22CD014	Ankitha Suraksha v	NHCE	8 MONTHS	Ms Shwetha AN
		INTERNAL		1NH22CD027	Darshan P D		8 MONTHS	
		INTERNAL		1NH22CD038	Jeevitha S		8 MONTHS	
		INTERNAL		1NH22CD046	Kasukurthi Yojith Prasad		8 MONTHS	
7	CSE(DS)	INTERNAL	Hand Gesture Controlled Multi-Application System	1NH22CD007	ADRIEL JOSEPH SANTHOSH	NHCE	8 MONTHS	Ms.Pramila
		INTERNAL		1NH22CD013	ANIRUDH MENON S		8 MONTHS	
		INTERNAL		1NH22CD040	K M HEAVEN BOPANNA		8 MONTHS	
		INTERNAL		1NH22CD055	LAKSHYA		8 MONTHS	
8	CSE(DS)	INTERNAL	SafeSight YOLOv8 Powered Driver Fatigue	1NH22CD060	M N Shoaib Ali Khan	NHCE	8 MONTHS	B Channaraya Priya
		INTERNAL		1NH23CD401	Md Hassan Nawaz		8 MONTHS	
		INTERNAL		1NH23CD407	Pooja		8 MONTHS	
		INTERNAL		1NH23CD409	Umera Fathima		8 MONTHS	
9	CSE(DS)	INTERNAL	SMART BREAK RECOMMENDATION SYSTEM BASED ON STUDENT MENTAL FATIGUE AND TASK TYPE	1NH22CD104	Skanda Priya V	NHCE	8 MONTHS	Ms. Anchal
		INTERNAL		1NH23CD403	Hemalatha JD		8 MONTHS	
		INTERNAL		1NH22CD086	Rakshitha G		8 MONTHS	
		INTERNAL		1NH22CD131	Bhoomika G M		8 MONTHS	
10	CSE(DS)	INTERNAL	SMART FOOD WASTE MANAGEMENT SYSTEM	1NH22CD035	Ishanvi Reddy	NHCE	8 MONTHS	B Swathi
		INTERNAL		1NH22CD097	Sai Ashwin Palukrur		8 MONTHS	
		INTERNAL		1NH22CD100	Sharanya P Reddy		8 MONTHS	
		INTERNAL		1NH22CD122	Venkat Lakshmi Shruthi A		8 MONTHS	
11	CSE(DS)	INTERNAL	STRESS LEVEL DETECTION THROUGH FACIAL EXPRESSION AND VOICE TONE ANALYSIS	1NH22CD091	Rithika balaji	NHCE	8 MONTHS	Dr.R.Suganya
		INTERNAL		1NH22CD85	Rakshitha G		8 MONTHS	
		INTERNAL		1NH22CD083	R Deepyasree		8 MONTHS	
		INTERNAL		1NH22CD094	Ruchitha SK		8 MONTHS	
12	CSE(DS)	INTERNAL	AI Chatbot Designed For Career Personal Guidance	1NH22CD082	Pothabolu Mani Kumar	NHCE	8 MONTHS	Ms.Swati Sehgal
		INTERNAL		1NH22CD088	Ram Shreyas M		8 MONTHS	
		INTERNAL		1NH22CD134	A Sai Vishnu Vardhan Reddy		8 MONTHS	
		INTERNAL		1NH22CD119	Thanvika S		8 MONTHS	
13	CSE(DS)	INTERNAL	Web Banking Application For Smoother Transactions and Efficient Banking Data Management	1NH22CD130	Rahul Kumar Yadav	NHCE	8 MONTHS	Mrs Sandhya
		INTERNAL		1NH22CD090	Rishabh Singh Jadaun		8 MONTHS	
		INTERNAL		1NH22CD128	Hrithik Kumar		8 MONTHS	
		INTERNAL		1NH22CD137	Ankurdeep		8 MONTHS	
14	CSE(DS)	INTERNAL	Building compact and explainable Deep Learning models	1NH22CD001	A Lalith	NHCE	8 MONTHS	Dr.sunil
		INTERNAL		1NH22CD015	Archana K		8 MONTHS	
		INTERNAL		1NH22CD133	Venkat Karthik Vempalli		8 MONTHS	
		INTERNAL		1NH22CD089	Rashmitha C		8 MONTHS	
15	CSE(DS)	INTERNAL	IoT-Enabled Smart Irrigation for Enhanced Water Management and Climate	1NH22CD110	Suprava Nayak	NHCE	8 MONTHS	R Suganya
		INTERNAL		1NH22CD138	Pamulapati Jahnvi		8 MONTHS	
		INTERNAL		1NH22EC132	Rima Gayatri U		8 MONTHS	
		INTERNAL		1NH22EC172	Vaddempudi Malavika		8 MONTHS	
16	CSE(DS)	INTERNAL	AI Agent Based SaaS Platform(AIBSP	1NH22CD017	ARYA J	NHCE	8 MONTHS	Ms. Anju
		INTERNAL		1NH22CD003	ABHIMANNEW V SMITHA		8 MONTHS	
		INTERNAL		1NH22CD041	MADHAV K		8 MONTHS	
		INTERNAL		1NH22CD020	B.SKANDA		8 MONTHS	
17	CSE(DS)	INTERNAL	NammaMedic - A mobile Application Framework For Medication Adherence and Real-Time Health Monitoring	1NH22CD011	Amit Jagadeesh Achari	NHCE	8 MONTHS	B Swathi
		INTERNAL		1NH22CD023	Bharath B		8 MONTHS	
		INTERNAL		1NH22CD073	Narayan Prashant Naik		8 MONTHS	
		INTERNAL		1NH22CD108	Srinivas K S		8 MONTHS	
18	CSE(DS)	INTERNAL	AI-Based Smart Health Care System for Optimized Ambulance Routing and perdictive ICU Bed Availibility	1NH22CD127	SREEJITH S	NHCE	8 MONTHS	Ms.Shwetha
		INTERNAL		1NH22CD064	Manoj p		8 MONTHS	
		INTERNAL		1NH22CD081	Poornima		8 MONTHS	
		INTERNAL		1NH22CD077	P Harshad Ali khan		8 MONTHS	

TEAM NO	DEPT	INTERNAL /EXTERNAL	PROJECT TITLE	USN	NAME OF THE STUDENT	ORGANIZATION	PROJECT DURATION	GUIDE NAME
19	CSE(DS)	INTERNAL	SmartCrypt AIPowered Encryption for Secure and Immutable Data Storage	1NH22CD024	Bhoomika Ambati	NHCE	8 MONTHS	Dr Joshua Daniel Raj
		INTERNAL		1NH22CD043	K Naveen		8 MONTHS	
		INTERNAL		1NH22CD008	Afreen S		8 MONTHS	
		INTERNAL		1NH22CD025	B Umesh Guptha		8 MONTHS	
20	CSE(DS)	INTERNAL	DRUGS AND PROTEIN STRUCTURE PREDICTION USING DEEP RESEARCH	1NH22CD066	Meda Anil Kumar	NHCE	8 MONTHS	Dr.sunil
		INTERNAL		1NH22CD032	Gururaj		8 MONTHS	
		INTERNAL		1NH22CD123	Vinay K V		8 MONTHS	
		INTERNAL		1NH22CD124	Vivek B V		8 MONTHS	
21	CSE(DS)	INTERNAL	SMART ECO ADVISER	1NH22CD125	Vrindha Nandhini V	NHCE	8 MONTHS	Dr.B.Swathi
		INTERNAL		1NH22CD116	Tanushree D Kotian		8 MONTHS	
		INTERNAL		1NH22CD063	Manjunatha VS		8 MONTHS	
		INTERNAL		1NH22CD042	K Niranjan		8 MONTHS	
22	CSE(DS)	INTERNAL	CEREBRAL LESIONS CLASSIFICATION	1NH22CD113	T Ankitha Kirana Rao	NHCE	8 MONTHS	Mr. Chandan B Raj
		INTERNAL		1NH22CD109	Sunke Sai Moneesh		8 MONTHS	
		INTERNAL		1NH22CD111	Surya Yashaswini P V N		8 MONTHS	
		INTERNAL		1NH22CD126	Yukthi M		8 MONTHS	
23	CSE(DS)	INTERNAL	Live Deepfake Firewall For Digital Identity Defense And Ethical Hiring	1NH22CD034	HARSH KUMAR	NHCE	8 MONTHS	Revatthy Krishnamurthy
		INTERNAL		1NH22CD061	MANISH KUMAR MALAKAR		8 MONTHS	
		INTERNAL		1NH22CD059	M SHOBAN		8 MONTHS	
24	CSE(DS)	INTERNAL	Threateye Network Security and Malware detection	1NH22CD075	Nihal Manohar	NHCE	8 MONTHS	Harshith C M
		INTERNAL		1NH22CD135	Shreya Venugopal		8 MONTHS	
		INTERNAL		1NH22CD010	Amaan Kudroli		8 MONTHS	
		INTERNAL		1NH22CD074	Neeraj Jha		8 MONTHS	
25	CSE(DS)	INTERNAL	AgroSense Smart Soil Health & Crop Advisor	1NH23CD405	Md Sufiyaan Shaikh	NHCE	8 MONTHS	Ms.Pramila
		INTERNAL		1NH22CD103	Shubhdeep Bali		8 MONTHS	
		INTERNAL		1NH22CD114	Keerthi.T		8 MONTHS	
		INTERNAL		1NH23CD402	Harsha Bochageri		8 MONTHS	
26	CSE(DS)	INTERNAL	AI POWERED PUBLIC GRIEVANCE REDRESSAL SYSTEM	1NH22CD105	Sneha	NHCE	8 MONTHS	Dr.Suganya
		INTERNAL		1NH22CD117	Tanya shukla		8 MONTHS	
		INTERNAL		1NH22CD037	Janiya Maria Tomy		8 MONTHS	
		INTERNAL		1NH22CD057	Lekhya Tallam		8 MONTHS	
27	CSE(DS)	INTERNAL	Career-Craft Personalized Pathways using Machine Learning	1NH22CD071	N.Sai Arun	NHCE	8 MONTHS	Ms. Kavitha
		INTERNAL		1NH22CD078	P Sai Shashank		8 MONTHS	
		INTERNAL		1NH22CD087	Ram Charan		8 MONTHS	
		INTERNAL		1NH22CD132	Pranjit Saikia		8 MONTHS	
28	CSE(DS)	INTERNAL	THE HARVESTLY A COMMUNITY FARMING	1nh22cd142	Suraj	NHCE	8 MONTHS	M.Anchal
		INTERNAL		1nh22cd084	Raksha		8 MONTHS	
		INTERNAL		1nh22cd145	Ram Kumar		8 MONTHS	
		INTERNAL		1nh23cd408	Syed		8 MONTHS	
29	CSE(DS)	INTERNAL	FARMSIGHT A MODULAR AGRO DIGITAL TWIN	1NH22CD026	Chandana R	NHCE	8 MONTHS	Dr. Joshua Daniel Raj
		INTERNAL		1NH22CD095	S GHITHIN		8 MONTHS	
		INTERNAL		1NH22CD058	M Chethana		8 MONTHS	
		INTERNAL		1NH22CD118	Tene Eshani		8 MONTHS	
30	CSE(DS)	INTERNAL	Edu Mate An All-in-One-Smart Student Dashboard	1NH22CD129	C Teenu Deekshith	NHCE	8 MONTHS	Ms. Priya
		INTERNAL		1NH22CD076	N Shriyaan		8 MONTHS	
		INTERNAL		1NH22CD019	B Chandan		8 MONTHS	
		INTERNAL		1NH22CD033	H Teja		8 MONTHS	
31	CSE(DS)	INTERNAL	FutureForge: Your Personalized AI Career Coach for Resumes, Cover Letters, and Interviews	1NH22CD002	Abhi S	NHCE	8 MONTHS	Ms.Kavitha
		INTERNAL		1NH22CD065	Manollas TS		8 MONTHS	
		INTERNAL		1NH22CD022	Bhagyawan Sajjanshetty		8 MONTHS	
		INTERNAL		1NH22CD098	Saisuyogya Havaldher		8 MONTHS	
32	CSE(DS)	INTERNAL	Serenon : AI-Driven Gamified Mental Health Companion and Journal	1NH22CD012	Anagha S	NHCE	8 MONTHS	Mr.Chandan Raj
		INTERNAL		1NH22CD018	Arya Singh		8 MONTHS	
		INTERNAL		1NH22CD004	Abhinash TV		8 MONTHS	
		INTERNAL		1NH22CD067	Meghna Suresh		8 MONTHS	
33	CSE(DS)	INTERNAL	Lock Ease- Smart Door security System	1NH22CD031	Gunnikaa P Gupta	NHCE	8 MONTHS	Ms. Pallavi
		INTERNAL		1NH22CD062	Manishka Nayaka		8 MONTHS	
		INTERNAL		1NH22CD112	SUSHMASHREE H S		8 MONTHS	
		INTERNAL		1NH22CD139	VIPUL RAJ		8 MONTHS	
34	CSE(DS)	INTERNAL	Ooru Alert	1NH22CD029	Divyesh Raj Pillai	NHCE	8 MONTHS	T Sasikala
		INTERNAL		1NH22IS142	SV Aradya		8 MONTHS	
		INTERNAL		1NH22IS108	Padmaja Gadi		8 MONTHS	
		INTERNAL		1NH22AI022	Ashwini Prasathkannan		8 MONTHS	
35	CSE(DS)	INTERNAL	AI-Powered Smart Crosswalk System for Pedestrian Safety	1NH22EC106	Niranjan Roa	NHCE	8 MONTHS	Chandan Raj B R
		INTERNAL		1NH22EC048	Shailesh J Kunder		8 MONTHS	
		INTERNAL		1NH22CD016	Arjun R		8 MONTHS	
		INTERNAL		1NH22CD044	Kanishk Tandon		8 MONTHS	
36	CSE(DS)	INTERNAL	SafeSphare - Smart Disaster Early Warning System	1NH22EE057	Kaushar Amin	NHCE	8 MONTHS	Agalya V
		INTERNAL		1NH22EE015	Subbaiah		8 MONTHS	
		INTERNAL		1NH22CD069	Monish V Gowda		8 MONTHS	
		INTERNAL		1NH22CD006	Adit Keith Fernandez		8 MONTHS	

Project Co-ordinator

HoD-CSE(Data Science)

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

"Voice Driven Multi-Modal EDA Story Teller "

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

IN

COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)

BY

Janhavi KS-1NH22CD036

Janhavi B Reddy -1NH22CD140

D Nandini-1NH23CD400

Nisarga GY-1NH23CD406

Under the guidance of

Ms. Swati Sehgal
Assistant professor

Academic Year: 2025-26

NEW HORIZON COLLEGE OF ENGINEERING

Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC
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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)

CERTIFICATE

It is hereby certified that the project phase-II work entitled "**Voice Driven Multi-Modal EDA Story Teller**" is a bonafide work carried out by **Janhavi KS(1NH22CD036), Janhavi B Reddy (1NH22CD140), D Nandini(1NH23CD400), Nisarga GY(1NH23CD406)** in partial fulfilment for the award of **Bachelor of Engineering** in **COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)** of the New Horizon College of Engineering during the year **2025-2026.** 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
13/12/25

Ms. Swati Sehgal
(Assistant Professor)

Signature of HOD

Dr. B. SWATHI
HOD-CSE(DS)

SEE Viva

Name of Examiner	Signature with date
1. N. Chandra Kumar	17/12/25
2. Kavitha. u	17/12/25

NEW HORIZON
COLLEGE OF ENGINEERING
Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC
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A PROJECT PHASE-II REPORT
ON
" MINDLOOP "

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

IN

COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)

BY

KEERTHAN POOVAIAH M M -1NH22CD048

SRIKARA K -1NH22CD107

G SHREYAS SHETTY -1NH22CD030

SATHWIK -1NH22CD099

Under the guidance of

Ms. Shefali Sharma
Assistant Professor

Academic Year: 2025-26

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 SCIENCE AND ENGINEERING (DATA SCIENCE)

CERTIFICATE

It is hereby certified that the project phase-II work entitled "**MindLoop**" is a Bonafide work carried out by **Keerthan Poovaiah M M (1NH22CD048), Srikara K (1NH22CD107), G Shreyas Shetty (1NH22CD030) and Sathwik (1NH22CD099)** in partial fulfilment for the award of **Bachelor of Engineering** in **COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)** of the New Horizon College of Engineering during the year **2025-2026.** 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. Shefali Sharma

Assistant Professor -CSE(DS)

Signature of HOD

Dr. B. SWATHI

HOD -CSE(DS)

SEE Viva

Name of Examiner	Signature with date
1. N. Shantha Kumari	17/12/25
2. Kavitha.u	17/12/25

NEW HORIZON
COLLEGE OF ENGINEERING
Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC
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A PROJECT PHASE-II REPORT

ON

"AI IN HEALTHCARE: A PREDICTIVE CHAT BOT MODEL FOR INFECTIOUS DISEASE MANAGEMENT "

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

IN

COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)

BY

Bandi Dakshith Sree Charan -1NH22CD021

Konka Yaswanth Sai -1NH22CD052

Mungara Sai Pranav -1NH22CD070

Paritala Mokshanth -1NH22CD143

Under the guidance of

Ms.Anju K

Assistant Professor

Academic Year: 2025-26

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)

CERTIFICATE

It is hereby certified that the project phase-II work entitled "**AI IN HEALTHCARE: A PREDICTIVE CHAT BOT MODEL FOR INFECTIOUS DISEASE MANAGEMENT**" is a bonafide work carried out by **Bandi Dakshith Sree Charan(1NH22CD021), Konka Yaswanth Sai (1NH22CD052), Mungara Sai Pranav (1NH22CD070) and Paritala Mokshanth (1NH22CD143)** in partial fulfilment for the award of **Bachelor of Engineering** in **COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)** of the New Horizon College of Engineering during the year **2025-2026.** 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.

15/12/25

Signature of Guide

Ms.Anju K.

Assistant Professor

Signature of HOD

Dr. B. SWATHI

HOD -CSE(DS)

SEE Viva

Name of Examiner	Signature with date
1. N. Shantha kumar	19/12/25
2. Kavitha.U	17/12/25

NEW HORIZON
COLLEGE OF ENGINEERING
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A PROJECT PHASE-II REPORT

ON

" CITYSCAPE AI-SMART RESILIENT CITY PLATFORM"

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

IN

COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE) BY

Tuhin Ghosh-1NH22CD121
Tanisha Swami-1NH22CD115
Mir Kirdar Abbas-1NH22CD141
Naman Upreti-1N22CD072

Under the guidance of

Prof. Pallavi Nayak
Assistant Professor
Dept of CSE(DS),NHCE

Academic Year: 2025-26

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)

CERTIFICATE

It is hereby certified that the project phase-II work entitled "**CityScape AI- Smart City Platform**" is a bonafide work carried out by **Tuhin Ghosh(1NH22CD121), Tanisha Swami(1NH22CD115), Mir Kirdar Abbas (1NH22CD141) and Naman Upreti (1NH22CD072)** in partial fulfilment for the award of **Bachelor of Engineering** in **COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)** of the New Horizon College of Engineering during the year **2025-2026.** 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. Pallavi Nayak

(Assistant professor)

Signature of HOD

Dr. B. SWATHI

HOD -CSE(DS)

SEE Viva

Name of Examiner	Signature with date
1. Dr. Dhivya Kavinya S	17/12/25
2. Pramila S	17/12/25

NEW HORIZON COLLEGE OF ENGINEERING

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A PROJECT PHASE-II REPORT

ON

"DECENTRALIZED TRACEABILITY AND DIRECT MARKETING OF AGRICULTURE SUPPLY CHAINS WITH QR SCANNER "

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

IN

COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)

BY

DHEERAJ ARVIND -1NH22CD028

HARSHA VARDHAN-1NH22CD039

K.SANDEEP-1NH22CD045

AKASH KENGUA-1NH22CD009

Under the guidance of

Ms.PRAMILA S

Assistant Professor

Academic Year: 2025-26

NEW HORIZON COLLEGE OF ENGINEERING

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)

CERTIFICATE

It is hereby certified that the project phase-II work entitled "**DECENTRALIZED TRACEABILITY AND DIRECT MARKETING OF AGRICULTURE SUPPLY CHAINS WITH QR SCANNER**" is a bonafide work carried out by **Dheeraj Arvind(1NH22CD028), Harsha Vardhan (1NH22CD039), Sandeep (1NH22CD045) and Akash Kengua(1NH22CD009)** in partial fulfilment for the award of **Bachelor of Engineering** in **COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)** of the New Horizon College of Engineering during the year **2025-2026.** 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.PRAMILA S

Assistant Professor

Signature of HOD

Dr. B. SWATHI

HOD -CSE(DS)

SEE Viva

Name of Examiner

Signature with date

1. Dr. Dhivya Kavunya S 17/12/25
2. Pramila S 17/12/25

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

A PROJECT PHASE-II REPORT

ON

"GLOWBUDDY- A TOKENIZED REWARD, HEALTH AND WELLNESS APPLICATION USING BLOCKCHAIN"

Submitted in partial fulfilment for the award of the degree of

BACHELOR OF ENGINEERING

IN

COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)

BY

Ankitha Suraksha V - 1NH22CD014

Darshan P D - 1NH22CD027

Jeevitha S - 1NH22CD038

Kasukurthi Yojith Prasad -1NH22CD046

Under the guidance of

Ms. Shwetha AN

Assistant Professor

Academic Year: 2025-26

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 SCIENCE AND ENGINEERING (DATA SCIENCE)

CERTIFICATE

It is hereby certified that the project phase-II work entitled "**GlowBuddy- A Tokenized Reward, Health and Wellness Application Using Blockchain**" is a bonafide work carried out by **Ankitha Suraksha V (1NH22CD014), Darshan P D (1NH22CD027), Jeevitha S (1NH22CD038) and Kasukurthi Yojith Prasad (1NH22CD046)** in partial fulfilment for the award of **Bachelor of Engineering** in **COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)** of the New Horizon College of Engineering during the year **2025-2026.** 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. Shwetha AN

Assistant Professor

Signature of HOD

Dr. B. SWATHI

HOD -CSE(DS)

SEE Viva

Name of Examine	Signature with date
1. N. Shanthakumar	17/12/25
2. Kavitha R	17/12/25

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
"HAND GESTURE CONTROLLED MULTI-APPLICATION SYSTEM "

Submitted in partial fulfilment for the award of the degree of

BACHELOR OF ENGINEERING

IN

COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)

BY

ADRIEL JOSEPH SANTHOSH -1NH22CD007

ANIRUDH MENON S -1NH22CD013

K M HEAVEN BOPANNA -1NH22CD040

LAKSHYA -1NH22CD055

Under the guidance of

Mrs. PRAMILA S
Assistant Professor

Academic Year: 2025-26

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 SCIENCE AND ENGINEERING (DATA SCIENCE)

CERTIFICATE

It is hereby certified that the project phase-II work entitled "**HAND GESTURE CONTROLLED MULTI-APPLICATION SYSTEM**" is a bonafide work carried out by **ADRIEL JOSEPH SANTHOSH (1NH22CD007), ANIRUDH MENON S (1NH22CD013), K M HEAVEN BOPANNA (1NH22CD040) and LAKSHYA (1NH22CD055)** in partial fulfilment for the award of **Bachelor of Engineering** in **COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)** of the New Horizon College of Engineering during the year **2025-2026.** 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 with respect to the project work prescribed for the said degree.

Signature of Guide

Mrs. PRAMILA S

(Assistant Professor)

Signature of HOD

Dr. B. SWATHI

HOD -CSE(DS)

SEE Viva

Name of Examine	Signature with date
1. N. Shantha Kumar	17/12/25
2. Kavitha. V	17/12/25

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

"SafeSight: YOLOv8-Powered Driver Fatigue Monitoring for Intelligent Road Safety"

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

IN

COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)

BY

M. N. SHOAIB ALI KHAN – 1NH22CD060

MD. HASSAN NAWAZ – 1NH23CD401

POOJA – 1NH23CD407

UMERA FATHIMA – 1NH23CD409

Under the guidance of

Prof. B. Channaraya Priya

Assistant Professor

Dept of CSE (DS), NHCE

Academic Year: 2025-26

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 SCIENCE AND ENGINEERING (DATA SCIENCE)

CERTIFICATE

It is hereby certified that the project phase-II work entitled **"SAFESIGHT: YOLOv8-POWERED DRIVER FATIGUE MONITORING FOR INTELLIGENT ROAD SAFETY"** is a bona fide work carried out by **M. N. SHOAIB ALI KHAN (1NH22CD060), MOHAMMAD HASSAN NAWAZ (1NH23CD401), POOJA (1NH23CD407), UMERA FATHIMA (1NH23CD409)** in partial fulfillment for the award of **Bachelor of Engineering** in **COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)** of the New Horizon College of Engineering during the year **2025-2026.** 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 for the project work prescribed for the said degree.

Signature of Guide
Prof. B.Channaraya Priya
(Assistant Professor)

Signature of HOD
Dr. B.SWATHI
HOD CSE (DS)

SEE Viva

Name of Examiner	Signature with date
1. N. Shantha kumar	17/12/25
2. Kavitha. U	17/12/25

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

"SMART BREAK RECOMMENDATION SYSTEM BASED ON STUDENT MENTAL FATIGUE AND TASK TYPE"

Submitted in partial fulfilment for the award of the degree of

BACHELOR OF ENGINEERING

IN

COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)

BY

RAKSHITHA G -1NH22CD086

SKANDAPRIYA V -1NH22CD104

BHOOMIKA G M -1NH22CD131

HEMALATHA J D -1NH23CD403

Under the guidance of

Ms. SWATHI VINESH
Assistant Professor

Academic Year: 2025-26

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 SCIENCE AND ENGINEERING (DATA SCIENCE)

CERTIFICATE

It is hereby certified that the project phase-II work entitled **"SMART BREAK RECOMMENDATION SYSTEM BASED ON STUDENT MENTAL FATIGUE AND TASK TYPE"** is a bonafide work carried out by **RAKSHITHA G (1NH22CD086), SKANDAPRIYA V (1NH22CD104), BHOOMIKA G M (1NH22CD131) and HEMALATHA J D (1NH23CD403)** in partial fulfilment for the award of **Bachelor of Engineering** in **COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)** of the New Horizon College of Engineering during the year **2025-2026.** 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. SWATHI VINESH

ASSISTANT PROFESSOR

Signature of HOD

Dr. B. SWATHI

HOD -CSE(DS)

SEE Viva

	Name of Examine	Signature with date
1.	Dr. Dinesh Kumar D-S	17/12/25
2.		17/12/25

NEW HORIZON COLLEGE OF ENGINEERING

Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC
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A PROJECT PHASE-II REPORT

ON

"SMART FOOD WASTE MANAGEMENT SYSTEM"

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

IN

COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)

BY

Ishanvi Reddy - 1NH22CD035

Sai Ashwin Palukuru - 1NH22CD097

Sharanya P Reddy - 1NH22CD100

Venkat Lakshmi Shruthi A - 1NH22CD122

Under the guidance of

Dr. B. SWATHI

HOD - CSE(DS)

Academic Year: 2025-26

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 SCIENCE AND ENGINEERING (DATA SCIENCE)

CERTIFICATE

It is hereby certified that the project phase-II work entitled "**SMART FOOD WASTE MANAGEMENT SYSTEM**" is a bonafide work carried out by **Ishanvi Reddy (1NH22CD035), Sai Ashwin Palukuru (1NH22CD097), Sharanya P Reddy (1NH22CD100), Venkat Lakshmi Shruthi A (1NH22CD122)** in partial fulfilment for the award of **Bachelor of Engineering** in **COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)** of the New Horizon College of Engineering during the year **2025-2026.** 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. SWATHI

HOD - CSE(DS)

Signature of HOD

Dr. B. SWATHI

HOD - CSE(DS)

SEE Viva

Name of Examiner	Signature with date
1. Dr. Dhivya kaunyas	17/12/25
2. pramila. S	17/12/25

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

"STRESS LEVEL DETECTION USING FACIAL EXPRESSIONS AND VOICE TONE ANALYSIS USING DEEP LEARNING"

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

IN

COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)

BY

R DEEPYA SREE -1NH22CD083

RAKSHITHA G -1NH22CD085

RITHIKA BALAJI -1NH22CD091

RUCHITHA SK -1NH22CD094

Under the guidance of

Dr. R SUGANYA
ASSOCIATE PROFESSOR

Academic Year: 2025-26

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 SCIENCE AND ENGINEERING (DATA SCIENCE)

CERTIFICATE

It is hereby certified that the project phase-II work entitled "**STRESS LEVEL DETECTION USING FACIAL EXPRESSIONS AND VOICE TONE ANALYSIS USING DEEP LEARNING**" is a bonafide work carried out by **R DEEPYA SREE (1NH22CD083), RAKSHITHA G (1NH22CD085), RITHIKA BALAJI (1NH22CD091), RUCHITHA SK (1NH22CD094)** in partial fulfilment for the award of **Bachelor of Engineering** in **COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)** of the New Horizon College of Engineering during the year **2025-2026.** 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. R SUGANYA

ASSOCIATE PROFESSOR

Signature of HOD

Dr. B. SWATHI

HOD -CSE(DS)

SEE Viva

Name of Examiner	Signature with date
1. Dr. Dhivya Kanunya S	17/12/25
2. Dr. Amila S	17/12/25

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

"AI Chatbot Designed for Career Personal Guidance"

Submitted in partial fulfilment for the award of the degree of

BACHELOR OF ENGINEERING

IN

COMPUTER SCIENCE AND ENGINEERING (DATASCIENCE)

BY

POTHABOLU MANI KUMAR -1NH22CD082

RAM SHREYAS MOTUPALLE - 1NH22CD088

A.SAI VISHNU VARDHAN REDDY - 1NH22CD134

THANVIKA SRAVANTHI SADEPALLI - 1NH22CD119

Under the guidance of

Ms. Swati Sehgal

Assistant Professor

Academic Year:2025-26

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 SCIENCE AND ENGINEERING(DATASCIENCE)

CERTIFICATE

It is hereby certified that the project phase-II work entitled "**AI Chatbot Designed for Career Personal Guidance**" is a bonafide work carried out by **POTHABOLU MANI KUMAR (1NH22CD082),RAM SHREYAS MOTUPALLE(1NH22CD088), APPAKONDU SAI VISHNU VARDHAN REDDY (1NH22CD134) and THANVIKA SRAVANTHI SADEPALLI (1NH22CD119)** in partial Fulfilment for the award of **Bachelor of Engineering** in **COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)** of the New Horizon College of Engineering during the year **2025-2026.** 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. Swati Sehgal

Assistant Professor

Signature of HOD

Dr. B. SWATHI

HOD-CSE(DS)

SEE Viva

Name of Examiner	Signature with date
1. Dr. Dhivya Kanmani S	17/12/25
2. Pramila S	17/12/25

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 SCIENCE AND ENGINEERING (DATA SCIENCE)

A PROJECT PHASE – II REPORT

ON

"Web Banking Application For Smoother Transactions and Efficient Banking Data Management"

Submitted in the partial fulfillment for the degree of

BACHELOR OF ENGINEERING

IN

COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)

BY

Rahul Kumar Yadav – 1NH22CD130

Rishabh Singh Jadaun – 1NH22CD090

Hritik Kumar – 1NH22CD128

Ankurdeep – 1NH22CD137

Under the guidance of

Ms. Sandhya B Shettennavar

Assistant professor

Dept of CSE(DS), NHCE

Academic Year 2025-26

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 SCIENCE AND ENGINEERING (DATA SCIENCE)

CERTIFICATE

It is hereby certified that the Project Phase - II work entitled "Web Banking Application For Smoother Transactions and Efficient Banking Data Management" is the bonafide work carried out by **RAHUL KUMAR YADAV (1NH22CD130), RISHABH SINGH JADAUN (1NH22CD090), HRITHIK KUMAR (1NH22CD128), ANKURDEEP(1NH22CD137)** in partial fulfilment for the award of **Bachelor of Engineering** in **COMPUTER SCIENCE & ENGINEERING (DATA SCIENCE)** of New Horizon College of Engineering during the Academic year **2025-2026.** It is certified that all corrections/suggestions indicated during Internal Assessment have been incorporated in this report and has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

Sandhya B.S

Name & Signature of Guide

Mrs. Sandhya
Assistant Professor

Name & signature of HOD

Dr. B. SWATHI
HOD -CSE(DS)

SEE VIVA

Name of Examiner	Signature with date
1. Dr. Dinesh Kumar D.S	17/12/25
2. D Sasikala	17/12/25

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 SCIENCE AND ENGINEERING (DATA SCIENCE)

PROJECT PHASE - II REPORT

ON

"Building compact and explainable Deep Learning models"

Submitted in the partial fulfillment of the requirements in the 7th semester of

BACHELOR OF ENGINEERING

IN

COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)

BY

A Lalith-1NH22CD001

Archana K-1NH22CD015

Rashmitha C-1NH22CD089

Venkat Karthik Vempalli-1NH22CD133

Under the guidance of

Dr. Sunil Kumar Vengalil

Professor

Dept of CSE(DS), NHCE

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)

NEW HORIZON COLLEGE OF ENGINEERING

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

Ring Road, Bellandur Post, Near Marathalli, Bangalore-560103, INDIA

ACADEMIC YEAR 2025-26

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 SCIENCE AND ENGINEERING (DATA SCIENCE)

CERTIFICATE

It is hereby certified that the Project Phase - II work entitled "Building compact and explainable Deep Learning models" is the Bonafede work carried out by **A Lalith (1NH22CD001), Archana K (1NH22CD015), Rashmitha C (1NH22CD089), Venkat Karthik Vempalli (1NH22CD133)** in partial fulfilment for the award of **Bachelor of Engineering** in **COMPUTER SCIENCE & ENGINEERING (DATA SCIENCE)** of New Horizon College of Engineering during the Academic year **2025-2026.** It is certified that all corrections/suggestions indicated during Internal Assessment have been incorporated in this report and has been approved as it satisfies the academic requirements of Project Phase - II prescribed for the said degree.

Name & Signature of Guide

(Dr. Sunil Kumar Vengalil)

Name & signature of HOD

(Dr. Swathi B)

SEE VIVA VOCE

Name of Examiner	Signature with date
1. N. Shantha kumar	14/1/25
2. Kavitha. U	17/2/25

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

"IoT-Enabled Smart Irrigation for Enhanced Water Management and Climate Resilience "

Submitted in partial fulfilment for the award of the degree of

BACHELOR OF ENGINEERING
IN
COMPUTER SCIENCE AND ENGINEERING
(DATA SCIENCE)
BY
SUPRAVA NAYAK -1NH22CD110
PAMULAPATI JAHNAVI -1NH22CD138

Under the guidance of
Dr. R. Suganya
ASSOCIATE PROFESSOR

BACHELOR OF ENGINEERING
IN
ELECTRONICS AND COMMUNICATION ENGINEERING
BY
RIMA GAYATRI U - 1NH22EC132
VADDEMPUDI MALAVIKA - 1NH22EC172

Under the guidance of
Ms. ARUNA S
Assistant Professor

Academic Year: 2025-26

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 SCIENCE AND ENGINEERING (DATA SCIENCE)

CERTIFICATE

It is hereby certified that the interdisciplinary project phase-II work entitled "**IoT-Enabled Smart Irrigation for Enhanced Water Management and Climate Resilience**" is a bonafide work carried out by **SUPRAVA NAYAK (1NH22CD110) and PAMULAPATI JAHNAVI (1NH22CD138)** in partial fulfilment for the award of **Bachelor of Engineering** in **COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)** of the New Horizon College of Engineering during the year **2025-2026.** 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. R. Suganya)	**(Ms. Aruna S)**	**(Dr.Swathi)**

SEE Viva

Name of Examiner	Signature with date
1. Dr. Dinesh Kumar D S	17/12/25
2. T. Sasikala	17/12/25

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
"AI AGENT BASED SAAS PLATFORM (AIBSP) "

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

IN

COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)

BY

ABHIMANNEW VS -1NH22CD003

ARYA J -1NH22CD017

BACHU SKANDA -1NH22CD020

MADHAV KRISHNAKUMAR -1NHC22CD041

Under the guidance of

Ms. ANJU
Assistant Professor
Dept of CSE(DS), NHCE

Academic Year: 2025-26

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 SCIENCE AND ENGINEERING (DATA SCIENCE)

CERTIFICATE

It is hereby certified that the project phase-II work entitled "**AI AGENT BASED SAAS PLATFORM (AIBSP)**" is a bonafide work carried out by **ABHIMANNEW V S (1NH22CD003), ARYA J (1NH22CD017), MADHAV KRISHNAKUMAR (1NHC22CD041) and BACHU SKANDA(1NH22CD020)** in partial fulfilment for the award of **Bachelor of Engineering** in **COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)** of the New Horizon College of Engineering during the year **2025-2026.** 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.

15/12/25

Signature of Guide

Ms. ANJU

ASST. PROFESSOR

Signature of HOD

Dr. B. SWATHI

HOD -CSE(DS)

SEE Viva

Name of Examiner	Signature with date
1. N. Shantha kumar	17/12/25
2. Kavitha-u	17/12/25

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

"NAMMA MEDIC - A MOBILE APPLICATION FRAMEWORK FOR MEDICATION ADHERENCE AND REAL-TIME HEALTH MONITORING"

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING IN COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE) BY

Amit Jagadeesh Achari - 1NH22CD011

Bharath B - 1NH22CD023

Narayan Prashant Naik - 1NH22CD073

Srinivas K S - 1NH22CD108

Under the guidance of

Dr. B Swathi

Associate Professor, HOD - CSE(DS)

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 SCIENCE AND ENGINEERING (DATA SCIENCE)

CERTIFICATE

It is hereby certified that the project phase-II work entitled "**A Mobile Application Framework for Medication Adherence and Real-Time Health Monitoring"** is a bonafide work carried out by **Amit Jagadeesh Achari(1NH22CD011), Bharath B (1NH22CD023), Narayan Prashant Naik (1NH22CD073) and Srinivas K S(1NH22CD108)** in partial fulfilment for the award of **Bachelor of Engineering** in **COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)** of the New Horizon College of Engineering during the year **2025-2026.** 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 SWATHI

HOD – CSE(DS)

Signature of HOD

Dr. B. SWATHI

HOD - CSE(DS)

SEE Viva

Name of Examine	Signature with date
1. N. Shantha kumar	17/12/25.
2. Kavitha. u	17/12/25

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

"AI-Based Smart Healthcare System for Optimized Ambulance Routing and Predictive ICU Bed Availability "

Submitted in partial fulfilment for the award of the degree of

BACHELOR OF ENGINEERING

IN

COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)

BY

P HARSHAD ALI KHAN -1NH22CD077

POORNIMA -1NH22CD081

MANOJ P -1NH22CD064

SREEJITH S -1NH22CD127

Under the guidance of

Ms. Shwetha A N
Assistant Professor

Academic Year: 2025 - 2026

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 SCIENCE AND ENGINEERING (DATA SCIENCE)

CERTIFICATE

It is hereby certified that the project phase-II work entitled "**AI-BASED SMART HEALTH CARE SYSTEM FOR OPTIMIZED AMBULANCE ROUTING AND PREDICTIVE ICU BED AVAILABILITY**" is a bonafide work carried out by **P HARSHAD ALI KHAN (1NH22CD077), POORNIMA (1NH22CD081), MANOJ P (1NH22CD064) and SREEJITH S (1NH22CD127)** in partial fulfilment for the award of **Bachelor of Engineering** in **COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)** of the New Horizon College of Engineering during the year **2025- 2026.** 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. Shwetha A N

(Assistant Professor)

Signature of HOD

Dr. B. SWATHI

HOD -CSE(DS)

SEE Viva

Name of Examiner	Signature with date
1. ...Dr. Divya Kaunya S.....	17/12/25
2. ...Pramila S.....	17/12/25

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

"Smart Crypt: AI -Powered Encryption for Secure and Immutable Data Storage "

Submitted in partial fulfilment for the award of the degree of

BACHELOR OF ENGINEERING

IN

COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)

BY

BHOOMIKA AMBATI -1NH22CD024

AFREEN S - 1NH22CD008

BIJENAPALLI UMESH GUPTHA -1NH22CD025

KANCHUKOMMALA NAVEEN -1NH22CD043

Under the guidance of

Dr. J. JOSHUA DANIEL RAJ
Associate Professor

Academic Year: 2025-26

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 SCIENCE AND ENGINEERING (DATA SCIENCE)

CERTIFICATE

It is hereby certified that the project phase-II work entitled "**SMART CRYPT: AI -POWERED ENCRYPTION FOR SECURE AND IMMUTABLE DATA STORAGE**" is a Bonafide work carried out by **BHOOMIKA AMBATI (1NH22CD024), AFREEN S (1NH22CD008), BIJENAPALLI UMESH GUPTHA (1NH22CD025) and KANCHUKOMMALA NAVEEN (1NH22CD043)** in partial fulfilment for the award of **Bachelor of Engineering** in **COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)** of the New Horizon College of Engineering during the year **2025-2026.** 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. J. JOSHUA DANIEL RAJ

(Associate Professor)

Signature of HOD

Dr. B. SWATHI

HOD -CSE(DS)

SEE Viva

Name of Examine	Signature with date
1. N. Shanthi Kumar	17/12/25
2. Kavitha. u	17/12/25

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

"DRUGS AND PROTEIN STRUCTURE PREDICTION USING DEEP RESEARCH"

Submitted in partial fulfilment for the award of the degree of

BACHELOR OF ENGINEERING

IN

COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)

BY

MEDA ANIL KUMARA-1NH22CD066

GURURAJ-1NH22CD032

VINAY K V -1NH22CD123

VIVEK B V -1NH22CD124

Under the guidance of

Dr. SUNIL KUMAR VENGALIL

Professor

Academic Year: 2025-26

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 SCIENCE AND ENGINEERING (DATA SCIENCE)

CERTIFICATE

It is hereby certified that the project phase-II work entitled "**DRUGS AND PROTEIN STRUCTURE PREDICTION USING DEEP RESEARCH"** is a bonafide work carried out by **Meda Anil Kumara(1NH22CD066), Gururaj (1NH22CD032), Vinay K V (1NH22CD123) and Vivek B V (1NH22CD124)** in partial fulfilment for the award of **Bachelor of Engineering** in **COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)** of the New Horizon College of Engineering during the year **2025-2026.** 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. Sunil Kumar Vengalil

Professor

Signature of HOD

Dr. B. SWATHI

HOD -CSE(DS)

SEE Viva

Name of Examiner	Signature with date
1. Dr. Dhivya Karunya. S	17/12/25
2. Pramila. 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
"SMART ECO ADVISER "

Submitted in partial fulfilment for the award of the degree of

BACHELOR OF ENGINEERING

IN

COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)

BY

K NIRANJAN -1NH22CD042

MANJUNATHA VS -1NH22CD063

TANUSHREE D KOTIAN -1NH22CD116

VRINDHA NANDHINI V -1NH22CD125

Under the guidance of

Dr. B SWATHI
Head of Department (CSE – DS)

Academic Year: 2025-26

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 SCIENCE AND ENGINEERING (DATA SCIENCE)

CERTIFICATE

It is hereby certified that the project phase-II work entitled "SMART ECO ADVISER" is a bonafide work carried out by **K NIRANJAN (1NH22CD042), MANJUNATHA VS (1NH22CD063), TANUSHREE D KOTIAN (1NH22CD116) and VRINDHA NANDHINI V (1NH22CD125)** in partial fulfilment for the award of **Bachelor of Engineering** in **COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)** of the New Horizon College of Engineering during the year **2025-2026.** 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. SWATHI

HOD – CSE (DS)

Signature of HOD

Dr. B. SWATHI

HOD -CSE(DS)

SEE Viva

Name of Examiner	Signature with date
1. Dr. Dhivya Karunya S	17/12/25
2. Pramila S	17/12/25

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
"CEREBRAL LESIONS CLASSIFICATION "

Submitted in partial fulfilment for the award of the degree of

BACHELOR OF ENGINEERING

IN

COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)

BY

T ANKITHA KIRANA RAO -1NH22CD113

SUNKE SAI MONEESH -1NH22CD109

SURYA YASHASWINI P V N -1NH22CD111

YUKTHI MANJUNATH -1NH22CD126

Under the guidance of

Prof. CHANDAN RAJ B R
Sr. Assistant Professor

Academic Year: 2025-26

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 SCIENCE AND ENGINEERING (DATA SCIENCE)

CERTIFICATE

It is hereby certified that the project phase-II work entitled "**CEREBRAL LESIONS CLASSIFICATION**" is a bonafide work carried out by **T Ankitha Kirana Rao (1NH22CD113), Sunke Sai Moneesh (1NH22CD109), Surya Yashaswini P V N (1NH22CD111) and Yukthi Manjunath (1NH22CD126)** in partial fulfilment for the award of **Bachelor of Engineering** in **COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)** of the New Horizon College of Engineering during the year **2025-2026.** 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
Mr. Chandan Raj B R	**Dr. B. SWATHI**
Sr. Assistant Professor	**HOD -CSE(DS)**

SEE Viva

Name of Examine	Signature with date
1. ..... Dr. Dhivya Kannya S ..	17/12/25
2. ..... Dr. Amila S	17/12/25

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

"LIVE DEEPFAKE FIREWALL FOR DIGITAL IDENTITY DEFENSE AND ETHICAL HIRING "

Submitted in partial fulfilment for the award of the degree of

BACHELOR OF

ENGINEERING IN

COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE) BY

HARSH KUMAR - 1NH22CD034
M SHOBAN - 1NH22CD059
MANISH KUMAR MALAKAR - 1NH22CD061

Under the guidance of

DR. REVATTHY KRISHNAMURTHY
PROFESSOR

Academic Year: 2025-26

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 SCIENCE AND ENGINEERING (DATA SCIENCE)

CERTIFICATE

It is hereby certified that the project phase-II work entitled "**LIVE DEEPFAKE FIREWALL FOR DIGITAL IDENTITY DEFENSE AND ETHICAL HIRING**" is a bonafide work carried out by **MANISH KUMAFR MALAKAR(1NH22CD061), HARSH KUMAR (1NH22CD034), M SHOBAN (1NH22CD059)** in partial fulfilment for the award of **Bachelor of Engineering** in **COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)** of the New Horizon College of Engineering during the year **2025-2026.** 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.

Revatthy

Signature of Guide

DR. REVATTHY KRISHNAMURTHY

PROFESSOR

Signature of HOD

Dr. B. SWATHI

HOD -CSE(DS)

SEE Viva

Name of Examiner	Signature with date
1. N. Shantha kumar	17/12/25
2. Kavitha-u	17/12/25

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

"THREAT EYE: NETWORK SECURITY AND MALWARE DETECTION "

Submitted in partial fulfilment for the award of the degree of

BACHELOR OF ENGINEERING

IN

COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)

BY

NIHAL MANOHAR -1NH22CD075

SHREYA VENUGOPAL -1NH22CD135

AMAAN KUDROLI-1NH22CD010

NEERAJ JHA-1NH22CD074

Under the guidance of

Mr. HARSHITH C M

Designation: Assistant Professor

Academic Year: 2025-26

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 SCIENCE AND ENGINEERING (DATA SCIENCE)

CERTIFICATE

It is hereby certified that the project phase-II work entitled "**THREAT EYE: Network Security and Malware Detection**" is a Bonafide work carried out by **Nihal Manohar (1NH22CD075), Shreya Venugopal (1NH22CD135), Amaan Kudroli (1NH22CD010) and Neeraj Jha(1NH22CD074)** in partial fulfilment for the award of **Bachelor of Engineering** in **COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)** of the New Horizon College of Engineering during the year **2025-2026.** 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
Mr. Harshith CM	**Dr. B. SWATHI**
Assistant Professor -CSE(DS)	**HOD -CSE(DS)**

SEE Viva

Name of Examiner	Signature with date
1. Dr. Divya Kaunyal	17/12/25
2. Pramila S	17/12/25

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

" AGROSENSE:SMART SOIL HEALTH AND CROP ADVISOR "

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

IN

COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE) BY

Mohammed Sufiyaan Shaikh-1NH23CD405

Harsha Bochageri-1NH23CD402

Shubhdeep Bali-1NH22CD103

Keerthi.T-1NH22CD114

Under the guidance of

Prof. Pramila S

Assistant Professor

Dept of CSE(DS),NHCE

Academic Year: 2025-26

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 SCIENCE AND ENGINEERING (DATA SCIENCE)

CERTIFICATE

It is hereby certified that the project phase-II work entitled "**AgroSense:Smart Soil health and Crop Advisor**" is a bonafide work carried out by **MOHAMMED SUFIYAAN SHAIKH (1NH23CD405), HARSHA BOCHAGERI (1NH23CD402), SHUBHDEEP BALI (1NH22CD103) and KEERTHI.T (1NH22CD114)** in partial fulfilment for the award of **Bachelor of Engineering** in **COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)** of the New Horizon College of Engineering during the year **2025-2026.** 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. Pramila S

(Assistant professor)

Signature of HOD

Dr. B. SWATHI

HOD -CSE(DS)

SEE Viva

Name of Examiner	Signature with date
1. Dr. Dhivya Karunya S	17/12/25
2. Pramila S	17/12/25

NEW HORIZON
COLLEGE OF ENGINEERING
Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC
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A PROJECT PHASE-II REPORT
ON
"AI POWERED PUBLIC GRIEVANCE REDRESSAL SYSTEM"

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

IN

COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)

BY

SNEHA -1NH22CD105

TANYA SHUKLA -1NH22CD117

LEKHYA TALLAM -1NH22CD057

JANIYA MARIA TOMY -1NH22CD037

Under the guidance of

Dr. R SUGANYA
Associate Professor

Academic Year: 2025-26

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 SCIENCE AND ENGINEERING (DATA SCIENCE)

CERTIFICATE

It is hereby certified that the project phase-II work entitled "**AI Powered Public Grievance Redressal System"** is a bonafide work carried out by **SNEHA (1NH22CD105), TANYA SHUKLA (1NH22CD117), LEKHYA TALLAM (1NH22CD057) and JANIYA MARIA TOMY (1NH22CD037)** in partial fulfilment for the award of **Bachelor of Engineering** in **COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)** of the New Horizon College of Engineering during the year **2025-2026.** 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. R Suganya

Associate Professor

Signature of HOD

Dr. B. SWATHI

HOD -CSE(DS)

SEE Viva

Name of Examiner	Signature with date
1. Dr. Divya Kavyashree	17/12/25
2. Pramila S	17/12/25

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

"CAREERCRAFT: PERSONALIZED CAREER PATHWAYS USING MACHINE LEARNING"

Submitted in partial fulfilment for the award of the degree of

BACHELOR OF ENGINEERING

IN

COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)

BY

N SAI ARUN – 1NH22CD071

P SAI SHASHANK – 1NH22CD078

RAM CHARAN G – 1NH22CD087

PRANJIT SAIKIA – 1NH22CD132

Under the guidance of

Ms. KAVITHA U

Assistant Professor

Academic Year: 2025-26

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 SCIENCE AND ENGINEERING (DATA SCIENCE)

CERTIFICATE

It is hereby certified that the project phase-II work entitled **"CAREERCRAFT: PERSONALIZED CAREER PATHWAYS USING MACHINE LEARNING"** is a bonafide work carried out by **N SAI ARUN (1NH22CD071), P SAI SHASHANK (1NH22CD078), RAM CHARAN G (1NH22CD087) and PRANJIT SAIKIA (1NH22CD132)** in partial fulfilment for the award of **Bachelor of Engineering** in **COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)** of the New Horizon College of Engineering during the year **2025-2026.** 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. KAVITHA U

(Assistant Professor)

Signature of HOD

Dr. B. SWATHI

HOD – CSE(DS)

SEE Viva

Name of Examiner	Signature with Date
1. Dr. Divya Kanmani S	17/12/25
2. Pramila S	17/12/25

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
"HARVESTLY – A COMMUNITY FARMING PLATFORM "

Submitted in partial fulfilment for the award of the degree of

BACHELOR OF ENGINEERING

IN

COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)

BY

SURAJ RAJESH -1NH22CD142

R SHREE RAKSHA -1NH22CD084

SYED THAMSEEL -1NH23CD408

Under the guidance of

Mr. NUTHAN K V
ASSISTANT PROFESSOR

Academic Year: 2025-26

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 SCIENCE AND ENGINEERING (DATA SCIENCE)

CERTIFICATE

It is hereby certified that the project phase-II work entitled **"HARVESTLY - A COMMUNITY FARMING PLATFORM "** is a Bonafide work carried out by **SURAJ RAJESH (1NH22CD142), R SHREE RAKSHA (1NH22CD084), SYED THAMSEEL (1NH23CD408),** in partial fulfilment for the award of **Bachelor of Engineering** in **COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)** of the New Horizon College of Engineering during the year **2025-2026.** 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. NUTHAN KV

ASSISTANT PROFESSOR

Signature of HOD

Dr. B. SWATHI

HOD -CSE(DS)

SEE Viva

Name of Examiner

1. Dr. Divya Kaavya S

2. Pramila S

Signature with date

17/12/25

17/12/25

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

"FARMSIGHT: A MODULAR AGRO DIGITAL TWIN "

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

IN

COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)

BY

CHANDANA R -1NH22CD026

M CHETHANA -1NH22CD058

GHITHIN SARATH-1NH22CD095

TENE ESHANI -1NH22CD118

Under the guidance of

Dr. JOSHUA DANIEL RAJ
Associate professor

Academic Year: 2025-26

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 SCIENCE AND ENGINEERING (DATA SCIENCE)

CERTIFICATE

It is hereby certified that the project phase-II work entitled "**FARMSIGHT: A MODULAR AGRO DIGITAL TWIN**" is a bonafide work carried out by **M CHETHANA (1NH22CD058), CHANDANA R (1NH22CD026) and TENE ESHANI (1NH22CD118), GHITHIN SARATH (1NH22CD095)** in partial fulfilment for the award of **Bachelor of Engineering** in **COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)** of the New Horizon College of Engineering during the year **2025-2026.** 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. JOSHUA DANIEL RAJ

Associate professor

Signature of HOD

Dr. B. SWATHI

HOD - CSE(DS)

SEE Viva

Name of Examine	Signature with date
1. Dr. Dinesh Kumar D S	17/12/25
2. Dr. Sahib	17/12/25

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

"Edu Mate: An All-in-One-Smart Student Dashboard "

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

IN

COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)

BY

C Teenu Deekshith - 1NH22CD129

N Shriyaan - 1NH22CD076

B Chandan - 1NH22CD019

H Teja - 1NH22CD033

Under the guidance of

Ms. B Channaraya Priya
Assistant Professor

Academic Year: 2025-26

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 SCIENCE AND ENGINEERING (DATA SCIENCE)

CERTIFICATE

It is hereby certified that the project phase-II work entitled "Edu Mate: An All in One Smart Student Dashboard" is a Bonafide work carried out by C Teenu Deekshith (1NH22CD129), N Shriyaan(1NH22CD076), B Chandan(1NH22CD019) and H Teja(1NH22CD033) in partial fulfilment for the award of Bachelor of Engineering in COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE) of the New Horizon College of Engineering during the year 2025-2026. 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.B Channaraya Priya

Assistant Professor

Signature of HOD

Dr. B. SWATHI

HOD -CSE(DS)

SEE Viva

Name of Examiner	Signature with date
1. Dr. Dinesh Kumar D.S	17/12/25
2.	17/12/25

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

"FutureForge: Your Personalized AI Career Coach for Resumes, Cover Letters, and Interviews "

Submitted in partial fulfilment for the award of the degree of

BACHELOR OF ENGINEERING

IN

COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)

BY

ABHI S -1NH22CD002

BHAGYAWAN SAJJANSHETTY -1NH22CD022

MANOLLAS T S -1NH22CD065

SAISUYOGA HAVALDER -1NH22CD098

Under the guidance of

Ms. KAVITHA U
Assistant Professor

Academic Year: 2025-26

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 SCIENCE AND ENGINEERING (DATA SCIENCE)

CERTIFICATE

It is hereby certified that the project phase-II work entitled "**FutureForge: Your Personalized AI Career Coach for Resumes, Cover Letters, and Interviews**" is a Bonafide work carried out by **ABHI S (1NH22CD002), BHAGYAWAN SAJJANSHETTY (1NH22CD022), MANOLLAS T S (1NH22CD065) and SAISUYOGA HAVALDER (1NH22CD098)** in partial fulfilment for the award of **Bachelor of Engineering** in **COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)** of the New Horizon College of Engineering during the year **2025-2026.** 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
Ms. KAVITHA U	**Dr. B. SWATHI**
(Assistant Professor)	**HOD -CSE(DS)**

SEE Viva

Name of Examine	Signature with date
1. Dr. Dinesh Kumar D.S	17/12/2025
2.	17/12/25

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
"SERENON: GAMIFIED EMOTIONAL WELLNESS WITH AI"

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

IN

COMPUTER SCIENCE AND ENGINEERING

(DATA SCIENCE)

BY

ABHINASH T V - 1NH22CD004

ANAGHA S - 1NH22CD012

ARYA SINGH - 1NH22CD018

MEGHNA SURESH - 1NH22CD067

Under the guidance of

Prof. Chandan Raj B R
Senior Assistant Professor

Academic Year: 2025-26

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 SCIENCE AND ENGINEERING (DATA SCIENCE)

CERTIFICATE

It is hereby certified that the project phase-II work entitled "**SERENON: GAMIFIED EMOTIONAL WELLNESS WITH AI**" is a bonafide work carried out by **ABHINASH T V (1NH22CD004), ANAGHA S (1NH22CD012), ARYA SINGH (1NH22CD018) and MEGHNA SURESH (1NH22CD067)** in partial fulfilment for the award of **Bachelor of Engineering** in **COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)** of the New Horizon College of Engineering during the year **2025-2026.** 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. Chandan Raj B R

Signature of HOD

Dr. B. SWATHI

SEE Viva

Name of Examiner	Signature with date
1. N. Shantha Kumari	17/12/25
2. Kavitha.U	17/12/25

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

"Lock Ease- Smart Door security System "

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

IN

COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)

BY

VIPUL RAJ-1NH22CD139

GUNNIKAA P GUPTA -1NH22CD031

SUSHMA SHREE. H S -1NH22CD112

MANISHKA NAYAKA-1NH22CD062

Under the guidance of

Ms. Pallavi Nayak

Assistant Professor

Dept of CSE(DS), NHCE

Academic Year: 2025-26

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 SCIENCE AND ENGINEERING (DATA SCIENCE)

CERTIFICATE

It is hereby certified that the project phase-II work entitled "**Lock Ease- Smart Door security System**" is a bonafide work carried out by **GUNNIKAA P GUPTA (1NH22CD031)** in partial fulfilment for the award of **Bachelor of Engineering** in **COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)** of the New Horizon College of Engineering during the year **2025-2026.** 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. Pallavi Nayak

(Assistant Professor)

Signature of HOD

Dr. Swathi B

HOD CSE(DS)

SEE Viva

Name of Examine	Signature with date
1. Dr. Dinesh Kumar D.S	17/12/25
2.	

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A PROJECT WORK REPORT
ON
INTERDISCIPLINARY PROJECT TITLED

"OORU ALERT "

URBAN CROWDSOURCED PROBLEM REPORTING WEBAPP

Submitted in partial fulfilment for the award of the degree of

BACHELOR OF ENGINEERING
IN
COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)
BY

DIVYESH RAJ PILLAI - 1NH22CD029

Under the guidance of
Ms. T SASIKALA
Senior Assistant Professor
Dept of CSE(DS)
NHCE

BACHELOR OF ENGINEERING
IN
INFORMATION SCIENCE AND ENGINEERING
BY

SV ARADYA -1NH22IS142
PADMAJA GADI -1NH22IS108

BACHELOR OF ENGINEERING
IN
ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING
BY

ASHWINI PRASATHKANNAN- 1NH22AI022

Under the guidance of
Dr. KARTHIYAYINI J
Assistant Professor
Dept of ISE
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Academic Year: 2025-26

NEW HORIZON COLLEGE OF ENGINEERING

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

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

(DATA SCIENCE)

CERTIFICATE

It is hereby certified that the interdisciplinary project work entitled **"OORU ALERT"** is a bonafide work carried out by **DIVYESH RAJ PILLAI (1NH22CD029)** in partial fulfilment for the award of **Bachelor of Engineering** in **COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)** of the New Horizon College of Engineering during the year **2025-2026.** 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. T SASIKALA)	**(Dr. KARTHIYAYINI J)**	**(Dr. B. SWATHI)**

SEE VIVA

Name of Examiner	Signature with date
1. Dr. Dinesh Kumar D.S	17/12/25
2. T. Sasikala	17/12/25

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A PROJECT PHASE-2 REPORT
ON
INTERDISCIPLINARY PROJECT TITLED

"AI Powered Smart Crosswalk System for Pedestrian Safety"

Submitted in partial fulfilment for the award of the degree of

BACHELOR OF ENGINEERING
IN
ELECTRONICS AND
COMMUNICATION ENGINEERING
BY

Niranjan Rao - 1NH22EC106
Shailesh J Kunder - 1NH22EC048

Under the guidance of
Dr. Monika Gupta
Associate Professor
Dept. of ECE

BACHELOR OF ENGINEERING
IN
COMPUTER SCIENCE
ENGINEERING (DATA SCEINCE)
BY

Arjun R - 1NH22CD016
Kanishk Tandon – 1NH22CD044

Under the guidance of
Prof. Chandan Raj B R
Senior Assistant Professor
Dept. of CSE-DS

Academic Year: 2025-26

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 ELECTRONICS AND COMMUNICATION ENGINEERING

CERTIFICATE

It is hereby certified that the Interdisciplinary Project Phase-II work entitled "**AI Powered Smart Crosswalk System for Pedestrian Safety**" is a bonafide work carried out by **Kanishk Tandon (1NH22CD044), Arjun R (1NH22CD016)** in partial fulfilment for the award of **Bachelor of Engineering** in **COMPUTER SCIENCE ENGINEERING (DATA SCIENCE)** of the New Horizon College of Engineering during the year **2025-2026.** 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. Chandan Raj B R** Senior Assistant Professor, Dept of CSE-DS, NHCE	Signature of Co-Guide **Dr. Monika Gupta** Associate Professor, Dept of ECE, NHCE	Signature of HoD **Dr. Swathi B** Professor & HoD, Dept of CSE-DS, NHCE

SEE Viva

Name of Examiner	Signature with date
1.	.....
2. T. Sasikala	.....

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

A PROJECT WORK REPORT
ON
INTERDISCIPLINARY PROJECT TITLED

"SafeSphere - Smart Disaster Early Warning System "

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

IN

ELECTRICAL AND ELECTRONICS ENGINEERING

BY

Kaushar Amin- 1NH22EE057 Ashitha Subbaiah – 1NH22EE015

Under the guidance of

Dr. Agalya V
Professor EEE / Associate head R&D

BACHELOR OF ENGINEERING

IN

COMPUTER SCIENCE AND ENGINEERING (Data Science)

BY

Monish V Gowda - 1NH22CD069
Adit Keith Fernandez – 1NH22CD006

Under the guidance of

Dr. Joshua Daniel Raj
Assistant Professor

Academic Year: 2025-26

NEW HORIZON COLLEGE OF ENGINEERING

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

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

CERTIFICATE

It is hereby certified that the interdisciplinary project work entitled **"SafeSphere - Smart Disaster Early Warning System"** is a bonafide work carried out by **KAUSHAR AMIN (1NH22EE057)** and **ASHITHA SUBBAIAH (1NH22EE015)** in partial fulfilment for the award of **Bachelor of Engineering** in **ELECTRICAL AND ELECTRONICS ENGINEERING** of the New Horizon College of Engineering during the year **2025-2026.** 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. Agalya V)	**(Dr. Joshua Daniel Raj)**	CSE (DS) **(HOD-~~EEE~~)**

SEE VIVA

Name of Examiner	Signature with date
1.	.....
2. T. Sasikala	12/12/25