



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
"IndicTrans- Instant Translation for Indian Languages"**

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

IN

INFORMATION SCIENCE AND ENGINEERING

BY

T Nomika **1NH22IS175**

Sanjana S **1NH22IS148**

Sri Adarsh Reddy Y **1NH22IS163**

Under the guidance of

Dr. Vandana C P

Academic Year: 2025-26



NEW HORIZON COLLEGE OF ENGINEERING

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DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

It is hereby certified that the project phase-II work entitled "IndicTrans- Instant Translation for Indian Languages" is a bonafide work carried out by T NOMIKA (1NH22IS175), SANJANA S (1NH22IS148), SRI ADARSH REDDY Y (1NH22IS163) in partial fulfilment for the award of Bachelor of Engineering in INFORMATION SCIENCE AND ENGINEERING of the New Horizon College of Engineering during the year 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. Vandana C.P

HOD - ISE

Signature of HOD

Dr. Vandana C.P

HOD - ISE

SEE Viva

Name of Examiner

1. Dr. M. S. Saravanan, D...
2. Dr. D. Lakshmi, D...

Signature with date

1. Dr. M. S. Saravanan, D...
2. Dr. D. Lakshmi, D...



NEW HORIZON COLLEGE OF ENGINEERING

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**A PROJECT PHASE-2 REPORT
ON
"SurgiX: An Adaptive Multimedia XR
Framework for Healthcare Training and
Simulation"**

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

IN

INFORMATION SCIENCE AND ENGINEERING

BY

APEKSHA ANIL KAMAT -1NH22IS021

G CHATHURYA -1NH22IS044

VAMSHITH N -1NH22IS178

IMRAN K -1NH23IS404

Under the guidance of

Dr. Kalaivani D

Designation: Associate Professor

Academic Year: 2025-2026



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DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING CERTIFICATE

It is hereby certified that the project phase-II work entitled "SurgiX: An Adaptive Multimedia XR Framework for Healthcare Training and Simulation Simulation" is a bonafide work carried out by Apeksha Anil Kamat (INH22IS021), G Chathurya (INH22IS044), Vamshith N (INH22IS178), Imran K (INH23IS404) in partial fulfilment for the award of Bachelor of Engineering in INFORMATION SCIENCE AND ENGINEERING of the New Horizon College of Engineering during the year 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. Kalaivani D
Associate Professor

Signature of HOD

Dr. Vandana C.P
(HOD - ISE)

SEE VIVA

Name of Examiner

Signature with date

1. M. Srinivas Rao
2. Dr. Vandana D

1. M. Srinivas Rao
2. Dr. Vandana D



NEW HORIZON COLLEGE OF ENGINEERING

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**A PROJECT PHASE-II REPORT
ON
“IDENTRA-Bridging Identity and Infrastructure”**

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING
IN
INFORMATION SCIENCE AND ENGINEERING
BY
K DIYA DEVAIAH INH22IS059
MOHISHA GUPTA INH22IS089
RAKSHA PADIYAR INH22IS121
VARUN KUMAR INH22IS181

Under the guidance of

Dr Karthiyayini J
Associate Professor
Dept.of ISE,NHCE

Academic Year: 2025-26



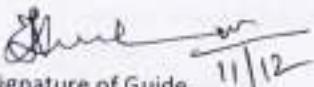
NEW HORIZON COLLEGE OF ENGINEERING

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

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

It is hereby certified that the project phase-II work entitled "Identra-Bridging Identity and Infrastructure" is a bonafide work carried out by K Diya Devaiah (1NH22IS059), Mohisha Gupta (1NH22IS089), Raksha Padiyar (1NH22IS121) and Varun Kumar (1NH22IS181) in partial fulfilment for the award of Bachelor of Engineering in INFORMATION SCIENCE AND ENGINEERING of the New Horizon College of Engineering during the year 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
11/12

Dr Karthiyayini J

Associate Professor


Signature of HOD

Dr. Vandana C.P

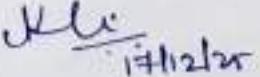
HOD - ISE

SEE Viva

Name of Examiner

1. M. S. Aravant / Raja
2. Dr. Kalai vani D

Signature with date



11/12/2025



NEW HORIZON
COLLEGE OF ENGINEERING

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**A PROJECT PHASE-II REPORT
ON
“EduMate- The Smart Collaborative Learning System”**

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

IN

INFORMATION SCIENCE AND ENGINEERING

BY

NITHYA R C 1NH22IS106

SAHANA N R 1NH22IS143

SANJANA H L 1NH22IS147

POORNIMA T 1NH22IS196

Under the guidance of

Dr. DIVYA K V

Associate Professor

Dept. Of ISE, NHCE

Academic Year: 2025-26



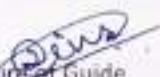
NEW HORIZON COLLEGE OF ENGINEERING

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

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

It is hereby certified that the project phase-II work entitled "EduMate- The Smart Collaborative Learning Platform" is a bonafide work carried out by **Nithya R C (INH22IS106)**, **Sahana N R (INH22IS143)**, **Sanjana H L (INH22IS147)**, AND **Poornima T (INH22IS196)** in partial fulfilment for the award of **Bachelor of Engineering** in **INFORMATION SCIENCE AND ENGINEERING** of the New Horizon College of Engineering during the year 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. Divya K V

Associate Professor


Signature of HOD

Dr. Vandana C.P

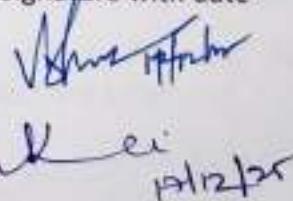
HOD - ISE

SEE Viva

Name of Examine

1. M. Sahana R
2. Dr. Kalaiyani D.

Signature with date


Kaliyani D
12/12/25



NEW HORIZON COLLEGE OF ENGINEERING

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**A PROJECT PHASE-II REPORT
ON
"IndLingo: Indian Languages, Gamified Smartly"**

Submitted in partial fulfilment for the award of the degree of

**BACHELOR OF ENGINEERING
IN
INFORMATION SCIENCE AND ENGINEERING**

**KELDEN CHEN – 1NH22IS070
KRISHNA PAMNANI – 1NH22IS071
KSHITIZ PRIYADARSHI – 1NH22IS073**

Under the guidance of

**Ms. Shruthi G R
Sr. Assistant Professor**

Academic Year: 2025-26



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Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC
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DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

It is hereby certified that the project phase-II work entitled "IndLingo: Indian Languages, Gamified Smartly" is a bonafide work carried out by KELDEN CHEN (1NH22IS070), KRISHNA PAMINANI (1NH22IS071), KSHITIZ PRIYADARSHI (1NH22IS073) in partial fulfilment for the award of Bachelor of Engineering in INFORMATION SCIENCE AND ENGINEERING of the New Horizon College of Engineering during the year 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. Shruthi G R

Dr. Vandana C.P

(Sr. Assistant Professor)

HOD - ISE

SEE Viva

Name of Examine

Signature with date

1. M. SARAVAN

2. Dr. Kalaiwani D

K. D.
17/12/25



NEW HORIZON COLLEGE OF ENGINEERING

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**A PROJECT PHASE-II REPORT
ON
“*XMedFuse: Hierarchical
Expert-Gated Fusion Network
with Cross-Modality Attention for
Robust Disease Diagnosis*”**

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

IN

INFORMATION SCIENCE AND ENGINEERING

BY

MOHAMMAD HAMZA BHAT - 1NH22IS087

NIHA BILAL - 1NH22IS099

VIKAS M BHARADWAJ - 1NH22IS185

NILMANI TIWARI - 1NH22IS100

Under the guidance of
MS. PRIYA NARAYANAN

Academic Year: 2025-26



NEW HORIZON COLLEGE OF ENGINEERING

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DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

It is hereby certified that the project phase-II work entitled "XMedFuse:Hierarchical Expert-Gated Fusion Network with Cross-Modality Attention for Robust Disease Diagnosis" is a bonafide work carried out by MOHAMMAD HAMZA BHAT (1NH22IS087), NIHA BILAL (1NH22IS099), VIKAS M BAHARADWAJ (1NH22IS185) and NILMANI TIWARI (1NH22IS100) in partial fulfilment for the award of Bachelor of Engineering in INFORMATION SCIENCE AND ENGINEERING of the New Horizon College of Engineering during the year 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. Priya Narayanan

(Sr. Assistant Professor)

Signature of HOD

Dr. Vandana C.P

HOD - ISE

SEE Viva

Name of Examiner

Signature with date

1. M. Saravanan

2. Dr. Lalavani D.



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A PROJECT PHASE-II REPORT

ON

"CareTrack – AI-Supported Clinical Management System for Smarter, Faster, and More Reliable Healthcare Delivery "

Submitted in partial fulfilment for the award of the degree of

BACHELOR OF ENGINEERING
IN
INFORMATION SCIENCE AND ENGINEERING
BY

GAGAN SAILESH	1NH22IS047
G PRAJWAL KRISHNA	1NH22IS045
CHIRAG SHAstry	1NH22IS031
KABILAN K	1NH22IS062

Under the guidance of

Mrs Jenita Subash

Sr. Assistant Professor

Dept. of ISE , NHCE

Academic Year: 2025-2026



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DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

It is hereby certified that the project phase-II work entitled "CareTrack – AI-Supported Clinical Management System for Smarter, Faster, and More Reliable Healthcare Delivery" is a bonafide work carried out by GAGAN SAILESH(1NH22IS047), G PRAJWAL KRISHNA(1NH22IS045), CHIRAG SHAstry S(1NH22IS031), KABILAN K(1NH22IS062) in partial fulfilment for the award of **Bachelor of Engineering** in **INFORMATION SCIENCE AND ENGINEERING** of the New Horizon College of Engineering during the year 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

Mrs Jenita Subash

Sr. Assistant Professor



Signature of HOD

Dr. Vandana C.P

HOD - ISE

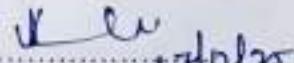
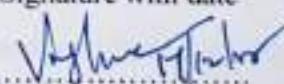
SEE Viva

Name of Examiner

1. M. Sureshwan

2. Dr. Sharanya D

Signature with date





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**A PROJECT PHASE-II REPORT
ON
"E-VAL : AI EVALUATOR FOR AUTOMATED EXAMINATION
EVALUATION "**

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING
IN
INFORMATION SCIENCE AND ENGINEERING

BY

CHANDAN KUMAR	1NH22IS028
DHANUSH HR	1NH22IS038
ANSHIL GUPTA	1NH22IS018
ANSHUMAN CHOUDHARY	1NH22IS019

Under the guidance of

Mrs. PARVATHY S

Senior Assistant Professor

Academic Year: 2025-26



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DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify that the Phase-II project work entitled "E-VAL: AI Evaluator for Automated Examination Evaluation" is a bonafide work carried out by Chandankumar (1NH22IS028), Dhanush H R (1NH22IS038), Anshil Gupta (1NH22IS018), and Anshuman Choudhary (1NH22IS019) in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Information Science and Engineering of New Horizon College of Engineering for the academic year 2025–2026. It is certified that all corrections and suggestions indicated for Internal Assessment have been incorporated in the report submitted to the departmental library. 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

Mrs. PARVATHY S

Senior Assistant Professor ISE

Signature of HOD

Dr. Vandana C.P

HOD - ISE

SEE Viva

Name of Examine

1. J.M. SARAVANAN
2. Dr. Lalaiwani D

Signature with date



NEW HORIZON COLLEGE OF ENGINEERING

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A PROJECT PHASE-2 REPORT
ON

"AI-POWERED DETECTION OF BODY FLUID MARKERS FOR EARLY WARNING OF LIFESTYLE DISEASES"

Submitted in partial fulfilment for the award of the degree of

BACHELOR OF ENGINEERING

IN

INFORMATION SCIENCE AND ENGINEERING

BY

DARSHAN D G -1NH22IS032

LOHITH GOWDA C P -1NH22IS080

MITHUN RAJ URS T V -1NH22IS086

RANGANATHA N -1NH22IS124

Under the guidance of

Ms. RAMA BANSIDHAR DAN

Senior Assistant Professor, Information Science and Engineering department

Academic Year: 2025-26



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DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

It is hereby certified that the interdisciplinary project phase-I work entitled "AI-Powered Detection of Body Fluid Markers for Early Warning of Lifestyle Diseases" is a Bonafide work carried out by Darshan D G (1NH22IS032), Lohith Gowda C P (1NH22IS080), Mithun Raj Urs T V (1NH22IS086) and Ranganatha N (1NH22IS124) in partial fulfilment for the award of Bachelor of Engineering in INFORMATION SCIENCE AND ENGINEERING of the New Horizon College of Engineering during the year 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. Rama Bansidhar Dan
(Senior Assistant Professor, ISE)

Signature of HOD

Dr. Vandana C P
(HOD -ISE)

SEE Viva

Name of Examiner

1. Mr. Darshan D
2. Dr. Vandana C P

Signature with date



NEW HORIZON COLLEGE OF ENGINEERING

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A PROJECT REPORT

ON

"TranslingoX: Real-Time Translation System for Indian Languages"

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

IN

INFORMATION SCIENCE AND ENGINEERING

BY

Lochan D - 1NH22IS079

Likith K - 1NH22IS077

Pranav - 1NH22IS113

Pratham - 1NH22IS116

Under the guidance of

Ms. Shubhi Srivastava

Senior Assistant Professor

Academic Year: 2025-26



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DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

It is hereby certified that the project phase-II work entitled "TranslingoX: Real-Time Translation System for Indian Languages" is a bonafide work carried out by **Pratham (1NH22IS116)** in partial fulfilment for the award of **Bachelor of Engineering** in **INFORMATION SCIENCE AND ENGINEERING** of the New Horizon College of Engineering during the year 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. Shubhi Srivastava
(Senior Assistant Professor)

Signature of HOD

Dr. Vandana C.P
HOD -ISE

SEE Viva

Name of Examiner

1. M. SARAVANIK
2. Dr. Kalavani D

Signature with date



NEW HORIZON COLLEGE OF ENGINEERING

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A PROJECT REPORT ON "OpenLearn – Online Education Platform "

Submitted in partial fulfilment for the award of the degree of

BACHELOR OF ENGINEERING

IN

INFORMATION SCIENCE AND ENGINEERING

BY

Shreya Prathap – 1NH22IS157

Soham Somanna K A – 1NH22IS161

Thanish V S – 1NH22IS177

Vishruth H – 1NH22IS190

Under the guidance of

Mrs. Sweet Subhashree

Academic Year: 2025-26



NEW HORIZON COLLEGE OF ENGINEERING

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DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

It is hereby certified that the project phase-II work entitled "**OpenLearn – Online Education Platform**" is a Bonafide work carried out by Shreya Prathap(1NH22IS157), Sohan Somanna K A (1NH22IS161), Thanish V S (1NH22IS177), Vishruth H (1NH22IS190) in partial fulfilment for the award of **Bachelor of Engineering in INFORMATION SCIENCE AND ENGINEERING** of the New Horizon College of Engineering during the year 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

Mrs. Sweet Subhashree
(Sr Assistant Professor)

Signature of HOD

Dr. Vandana C.P.
HOD - ISE

SEE Viva

Name of Examine

1. M. SARAVANA
2. Dr. Kalaiswari P.

Signature with date

17/12/2025
17/12/2025



NEW HORIZON COLLEGE OF ENGINEERING

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A PROJECT PHASE-II REPORT ON "Realtime Deepfake Detection System "

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

IN

INFORMATION SCIENCE AND ENGINEERING

BY

SANKETH RATHI -1NH22IS195

KISHOR L - 1NH23IS407

MOHAMMED SAMEER -1NH23IS411

PRASHANTH KUMAR K A -1NH23IS412

Under the guidance of

Mrs. Bibiana Jenifer J

Assistant Professor

Academic Year: 2025-26



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DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

It is hereby certified that the project phase-II work entitled "RealTime Deepfake Detection System" is a Bonafide work carried out by SANKETH RATHI(1NH22IS195), KISHOR L(1NH23IS407), MOHAMMED SAMEER(1NH23IS411) and PRASHANTH KUMAR K A(1NH23IS412) in partial fulfilment for the award of Bachelor of Engineering in INFORMATION SCIENCE AND ENGINEERING of the New Horizon College of Engineering during the year 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.

J. Bibiana Jenifer
Signature of Guide

Mrs. Bibiana Jenifer J
(Assistant Professor)

Vandana
Signature of HOD

Dr. Vandana C.P
HOD - ISE

SEE Viva

Name of Examine

1. M. SARAVANA
2. Dr. Kalaiselvi D.

Signature with date

Vandana C.P
17/12/2025
K. Kalaiselvi



NEW HORIZON COLLEGE OF ENGINEERING

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**A PROJECT PHASE-II REPORT
ON
"AyuRaksha : Bridging India's Healthcare Divide with
Technology "**

Submitted in partial fulfillment for the award of the degree of

**BACHELOR OF ENGINEERING
IN
INFORMATION SCIENCE AND ENGINEERING
BY**

HIMA M SAJJAN –1NH22IS054

KAVERI M – 1NH22IS066

KUSHAL K N - 1NH22IS075

S MAHALAKSHMI –1NH22IS140

Under the guidance of

Ms. NEHA JADHAV

Assistant Professor

Academic Year: 2025-26



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DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

It is hereby certified that the project phase-II work entitled "AyuRaksha : Bridging India's Healthcare Divide with Technology" is a bonafide work carried out by KUSHAL K N (1NH22IS075) in partial fulfilment for the award of Bachelor of Engineering in INFORMATION SCIENCE AND ENGINEERING of the New Horizon College of Engineering during the year 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.

Neha J

Signature of Guide

Ms. Neha Jadhav

Assistant Professor

Vandana

Signature of HOD

Dr. Vandana C.P

HOD - ISE

SEE Viva

Name of Examiner

Signature with date

1. Dixya H N 27/12/25
2. Archana Das 27/12/25



NEW HORIZON COLLEGE OF ENGINEERING

Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC
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A PROJECT PHASE-2 REPORT ON “PREPNEX-DECENTRALISED LEARNING ANALYTICS”

Submitted in partial fulfilment for the award of the degree of
BACHELOR OF ENGINEERING
IN
INFORMATION SCIENCE AND ENGINEERING
BY
RAVI SHIRAGAONKAR - 1NH22IS125
RENUKA PRASAD BR - 1NH22IS128
ANURADHA BHAGAT - 1NH22IS020
KUNAL K HARANAHALLI - 1NH22IS074

Under the guidance of

Ms. SRIHARSHINI DEVI

Assistant Professor, Information Science and Engineering,
New Horizon College of Engineering

Academic Year: 2025-26



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

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING CERTIFICATE

It is hereby certified that the interdisciplinary project phase-I work entitled "**PREPNEX-DECENTRALISED LEARNING ANALYTICS**" is a Bonafide work carried out by **RAVI SHIRAGAONKAR (INH22IS125)**, **RENUKA PRASAD BR (INH22IS128)**, **ANURADHA BHAGAT (INH22IS020)** and **KUNAL K HARANAHALLI (INH22IS074)** in partial fulfilment for the award of **Bachelor of Engineering** in **INFORMATION SCIENCE AND ENGINEERING** of the New Horizon College of Engineering during the year **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. Sriharshini Devi
(Assistant Professor)

Signature of HOD

Dr. Vandana C P
(HOD - ISE)

SEE Viva

Name of Examiner

1. Dixya H N 19/10/2025
2. Archana Day 19/10/2025

Signature with date



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

"InstaEval - An AI Based Evaluator And Assessment System"

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

IN

INFORMATION SCIENCE AND ENGINEERING

BY

AADARSH BABU INH22IS003

APURV KUMAR INH22IS022

RISHI RAJ INH22IS130

ROHIT KUMAR INH22IS134

Under the guidance of

Mrs. Neetu

Assistant Professor

Dept. Of ISE, NHCE

Academic Year: 2025-26



NEW HORIZON COLLEGE OF ENGINEERING

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DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

It is hereby certified that the project phase-II work entitled "InstaEval - An AI Based Evaluator And Assessment System " is a bonafide work carried out by Aadarsh Babu (INH22IS003), Apurv Kumar (INH22IS022), Rishi Raj (INH22IS130) and Rohit Kumar (INH22IS134) in partial fulfilment for the award of Bachelor of Engineering in INFORMATION SCIENCE AND ENGINEERING of the New Horizon College of Engineering during the year 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

Mrs. Neetu

Assistant Professor

Signature of HOD

Dr. Vandana C.P

HOD - ISE

SEE Viva

Name of Examiner

Signature with date

1. Divya - H.N 16/12/25
2. Arihanta Das 17/12/25



NEW HORIZON COLLEGE OF ENGINEERING

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

**A PROJECT PHASE-II REPORT
ON
"EDUTRACK:AI Based Personalized Learning through Secure
Analytics"**

Submitted in partial fulfilment for the award of the degree of

**BACHELOR OF ENGINEERING
IN
INFORMATION SCIENCE AND ENGINEERING
BY**

SANTOSH KUMAR K 1NH22IS152

SHRADDHA SHENOY 1NH22IS156

SUHAS S 1NH22IS168

VIDYASHREE H SHETTY 1NH22IS183

Under the guidance of

Ms. THAMARAI SELVI
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 INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

It is hereby certified that the project phase-II work entitled "EduTrack" is a bonafide work carried out by **SANTOSH KUMAR K (INH22IS152)**, **SHRADDA SHENOY (INH22IS156)**, **SUHAS S (INH22IS168)** and **VIDYASHREE H SHETTY (INH22IS183)** in partial fulfilment for the award of **Bachelor of Engineering** in **INFORMATION SCIENCE AND ENGINEERING** of the New Horizon College of Engineering during the year 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. Thamarai Selvi

(Assistant Professor)


Signature of HOD

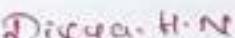
Dr. Vandana C.P.

HOD - ISE

SEE Viva

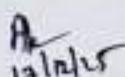
Name of Examiner

Signature with date

1.  10/12/25


10/12/25

2.  10/12/25


10/12/25



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

"Privacy-Preserving Deep Packet Inspection for Ethical Cybersecurity"

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

IN

INFORMATION SCIENCE AND ENGINEERING

BY

SHALINI V 1NH22IS153

HARSHITHA T L 1NH22IS052

SAI KRUTHI T 1NH22IS144

RAKSHITHA N K 1NH22IS122

Under the guidance of

Mrs. G. Vanthana

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 INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

It is hereby certified that the project phase-II work entitled "Privacy-Preserving Deep Packet Inspection for Ethical Cybersecurity" is a bonafide work carried out by SHALINI V(1NH22IS153), HARSHITHA T L(1NH22IS052), SAI KRUTHI T(1NH22IS144) and RAKSHITHA N K in partial fulfilment for the award of Bachelor of Engineering in INFORMATION SCIENCE AND ENGINEERING of the New Horizon College of Engineering during the year 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

Mrs. G. Vanthana

Assistant Professor

Signature of HOD

Dr. Vandana C.P.

HOD - ISE

SEE Viva

Name of Examine

1. Divya H N
2. Ankona Das

Signature with date



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

"EduCheck: An AI-Driven Framework for Multi-Modal Assessment and Performance Analysis"

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

IN

INFORMATION SCIENCE AND ENGINEERING

BY

VINITH KUMAR K 1NH22IS187

VINUTHA M DEVADIGA 1NH22IS188

SHOUKHATHALIKHAN N 1NH22IS155

ZAIBA N 1NH22IS191

Under the guidance of

Ms. Chandana Myneni

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 INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

It is hereby certified that the project phase-II work entitled "**EduCheck: An AI Driven Framework for Multi-Modal Assessment and Performance Analysis**" is a bonafide work carried out by **VINITH KUMAR K (INH22IS187)**, **VINUTHA M DEVADIGA (INH22IS188)**, **SHOUKHATHALIKHAN N (INH22IS155)** and **ZAIBA N (INH22IS191)** in partial fulfilment for the award of **Bachelor of Engineering** in **INFORMATION SCIENCE AND ENGINEERING** of the New Horizon College of Engineering during the year **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. Chandana Myneni

Assistant Professor

Signature of HOD

Dr. Vandana C.P

HOD - ISE

SEE Viva

Name of Examiner

1. Dinya H.N.
2. Archana Day

Signature with date



NEW HORIZON COLLEGE OF ENGINEERING

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

**A PROJECT PHASE-II REPORT
ON
"Med4Me: A Personalised Medicine
Recommendation System "**

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

IN

INFORMATION SCIENCE AND ENGINEERING

BY

VARSHITHA T -1NH22IS180

AKANKSHA JHA -1NH22IS202

VINIT PALIWAL -1NH22IS186

NEHA REDDY -1NH22IS127

Under the guidance of

Mrs. CHANDANA MYNENI

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 INFORMATION SCIENCE AND ENGINEERING CERTIFICATE

It is hereby certified that the project phase-II work entitled "Med4Me: A Personalised Medicine Recommendation System" is a bonafide work carried out by **VARSHITHA T (1NH22IS180)**, **AKANKSHA JHA (1NH22IS202)**, **VINIT PALIWAL (1NH22IS186)** and **NEHA REDDY (1NH22IS127)** in partial fulfilment for the award of **Bachelor of Engineering in INFORMATION SCIENCE AND ENGINEERING** of the New Horizon College of Engineering during the year **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

Mrs. CHANDANA MYNENI

Assistant Professor

Signature of HOD

Dr. VANDANA C P

Associate Professor and HOD - ISE

SEE Viva

Name of Examiner

1. Divya H N
2. Archana Das

Signature with date



NEW HORIZON COLLEGE OF ENGINEERING

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

A PROJECT PHASE-II REPORT

ON

"Voice of India – AI Powered Multilingual Translation "

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

IN

INFORMATION SCIENCE AND ENGINEERING

BY

A S IMPASHREE 1NH23IS400

AAQUIB UR RAHMAN 1NH23IS401

KEERTHANA K N 1NH23IS405

KRISHNA S IRADDI 1NH23IS408

Under the guidance of

Ms. G.Vanthana

Assistant professor , ISE

Academic Year: 2025-26



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DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING CERTIFICATE

It is hereby certified that the interdisciplinary project phase-II work entitled "Voice of India-AI Powered Multilingual Translation" is a Bona fide work carried out by **A S IMPASHREE** (1NH23IS400), **AAQUIB UR RAHMAN** (1NH23IS401), **KEERTHANA K N** (1NH23IS405) and **KRISHNA S IRADDI** (1NH23IS408) in partial fulfilment for the award of Bachelor of Engineering in **INFORMATION SCIENCE AND ENGINEERING** of the New Horizon College of Engineering during the year 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.

G.V.H.P

Signature of Guide

Ms. G. Vanthana
(Assistant professor- ISE)

Vandana

Signature of HOD

Dr. Vandana C P
(HOD -ISE)

SEE Viva

Name of Examiner

1. Divya H N
2. Archana Das

Signature with date

Divya H N 12/12/25
Archana Das 12/12/25



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

"Learnify"

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

IN

INFORMATION SCIENCE AND ENGINEERING

BY

ADITYA U: 1NH22IS008

DEEKSHITH: 1NH22IS035

K SINCHANA: 1NH22IS061

KAVYA VASANT SARAF: 1NH22IS067

Under the guidance of
Mrs. Neetu

Assistant Professor

Academic Year: 2025-26



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

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING
CERTIFICATE

It is hereby certified that the project phase-II work entitled "Learnify" is a bonafide work carried out by **Aditya U (1NH22IS008)**, **Deekshith (1NH22IS035)**, **K Sinchana (1NH22IS061)** and **Kavya Vasant Saraf (1NH22IS067)** in partial fulfilment for the award of **Bachelor of Engineering** in **INFORMATION SCIENCE AND ENGINEERING** of the New Horizon College of Engineering during the year **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

Mrs. Neetu

Assistant Professor

Signature of HOD

Dr. Vandana C.P

HOD - ISE

SEE Viva

Name of Examinee

Signature with date

1.

2.



NEW HORIZON COLLEGE OF ENGINEERING

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A PROJECT PHASE-II REPORT ON

"NextLearn: An AI-powered Adaptive Learning and Recommendation System for Online Courses "

Submitted in partial fulfilment for the award of the degree of

BACHELOR OF ENGINEERING

IN

INFORMATION SCIENCE AND ENGINEERING

BY

SANTOSH G 1NH22IS151

SHUBHOSHISH ROY 1NH22IS159

SUHAS R 1NH22IS167

KUMARESH B 1NH22IS197

Under the guidance of

Ms. THAMARAI SELVI

Assistant Professor

Academic Year: 2025-26



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

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

It is hereby certified that the project phase-II work entitled "NextLearn" is a Bonafide work carried out by **SANTOSH G (1NH22IS151)**, **SHUBHOSHISH ROY (1NH22IS159)**, **SUHAS R (1NH22IS167)** and **KUMARESH B (1NH22IS197)** in partial fulfilment for the award of Bachelor of Engineering in **INFORMATION SCIENCE AND ENGINEERING** of the New Horizon College of Engineering during the year 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. Thamarai Selvi

Assistant Professor

Signature of HOD

Dr. Vandana C.P

HOD - ISE

SEE Viva

Name of Examinee

Signature with date

1. *Dixya H.N.*
2. *Archana Das*

Dr. Vandana C.P
17/12/25



NEW HORIZON COLLEGE OF ENGINEERING

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A PROJECT PHASE-II REPORT

ON

"PixelCoders: Game Your Way To Code"

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

IN

INFORMATION SCIENCE AND ENGINEERING

BY

NISCHAL S - 1NH22IS103

NAGA LALITHENDRA K - 1NH22IS094

NAVIN R - 1NH22IS095

ROHIN SREEJITH – 1NH22IS133

Under the guidance of
Mrs. Sriharshini Devi

Assistant Professor

Academic Year: 2025-26



Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC
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DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

It is hereby certified that the project phase-II work entitled is a Bonafide work carried out by Nischal S(1NH22IS103), Naga Lalithendra K(1NH22IS094), Navin R(1NH22I095) and Rohin Sreejith(1NH22IS103) in partial fulfilment for the award of Bachelor of Engineering in INFORMATION SCIENCE AND ENGINEERING of the New Horizon College of Engineering during the year 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

Mrs. Sriharshini Devi

Assistant Professor

Signature of HOD

Dr. Vandana C.P

HOD -ISE

SEE Viva

Name of Examiner

Signature with date

1. Dixya H.N.

2. Anhane Das



NEW HORIZON COLLEGE OF ENGINEERING

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A PROJECT PHASE-II REPORT ON "INTERACTIVE REMOTELY CONTROLLED LABORATORIES "

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

IN

INFORMATION SCIENCE AND ENGINEERING

BY

Rishu Kumar -1NH22IS131

Suhas M H -1NH22IS081

Pelleti Abhinav Reddy -1NH22IS110

Under the guidance of

Ms. Neetu

Assistant Professor

Academic Year: 2025-26



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DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

It is hereby certified that the project phase-II work entitled "**Interactive Remotely Controlled Laboratories**" is a bonafide work carried out by **Rishu Kumar (1NH22IS131)**, **Suhas M H (1NH22IS081)** and **Pelleti Abhinav Reddy (1NH22IS110)** in partial fulfilment for the award of Bachelor of Engineering in **INFORMATION SCIENCE AND ENGINEERING** of the New Horizon College of Engineering during the year **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. Neetu

Assistant Professor

Signature of HOD

Dr. Vandana C.P

HOD - ISE

SEE Viva

Name of Examiner

Signature with date

1. Dinga H.N.
2. Anhena Dm



NEW HORIZON COLLEGE OF ENGINEERING

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

**A PROJECT PHASE-II REPORT
ON
"Disaster Forecasting and Alert System"**

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

IN

INFORMATION SCIENCE AND ENGINEERING

BY

N Upendra **1NH22IS092**

Nelaturi Maheswara Reddy **1NH22IS097**

Tanguturi Chaitanya Kumar Reddy **1NH22IS174**

Under the guidance of

Mrs. Bibiana Jenifer J

Academic Year: 2025-26



NEW HORIZON COLLEGE OF ENGINEERING

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

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

It is hereby certified that the project phase-II work entitled "Disaster Forecasting and Alert System" is a bonafide work carried out by N Upendra (1NH22IS092), Nelaturi Maheswara Reddy (1NH22IS097), Tanguturi Chaitanya Kumar Reddy (1NH22IS174) in partial fulfilment for the award of Bachelor of Engineering in Information Science and Engineering of the New Horizon College of Engineering during the year 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

Mrs. Bibiana Jenifer J.

Assistant Professor

Signature of HOD

Dr. Vandana C.P.

HOD -ISE

SEE Viva

Name of Examiner

Signature with date

1.Dr. Divya K. M.....

2.M. Praveena.....



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

"AN ACADEMIC NAVIGATION AND INFORMATION COLLECTOR FOR PERSONALIZED LEARNING "

Submitted in partial fulfilment for the award of the degree of

BACHELOR OF ENGINEERING

IN

INFORMATION SCIENCE AND ENGINEERING

BY

ADITYA P V **1NH22IS007**

AKSHAJ GUPTA **1NH22IS011**

B KHYATHI SUMASRI **1NH22IS026**

DEEPIKA M **1NH22IS037**

Under the guidance of

Mrs Sweet Subhashree

Senior Assistant Professor

Dept. Of ISE, NHCE

Academic Year: 2025-2026



NEW HORIZON COLLEGE OF ENGINEERING

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DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

It is hereby certified that the project phase-II work entitled "**AN ACADEMIC NAVIGATION AND INFORMATION COLLECTOR FOR PERSONALIZED LEARNING**" is a bonafide work carried out by **ADITYA P V** (INH22IS007), **AKSHAJ GUPTA** (INH22IS011), **B KHAYTHI SUMASRI** (INH22IS026), **DEEPIKA M** (INH22IS37) in partial fulfilment for the award of **Bachelor of Engineering in INFORMATION SCIENCE AND ENGINEERING** of the New Horizon College of Engineering during the year **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

Mrs Sweet Subhashree

Senior Assistant Professor

Signature of HOD

Dr. Vandana C.P

HOD - ISE

SEE Viva

Name of Examiner

Signature with date

1. **Dr. Divya - k.v.**

17/12/25

2. **M. P. RAHEENA**

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

"Mediva – Passive Mental Wellness Monitoring Using AI"

Submitted in partial fulfilment for the award of the degree of

BACHELOR OF ENGINEERING

IN

INFORMATION SCIENCE AND ENGINEERING

BY

ABHISHEK 1NH22IS005

ABHISHEK S 1NH22IS006

Under the guidance of

Mrs. Shubhi Srivastava

Senior Assistant Professor

Information Science and Engineering

New Horizon College of Engineering

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 INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

It is hereby certified that the interdisciplinary project phase-II work entitled "Mediva - Passive Mental Wellness Monitoring Using AI, is a Bonafide work carried out by ABHISHEK(1NH22IS005), ABHISHEK S(1NH22IS006) in partial fulfilment for the award of Bachelor of Engineering in INFORMATION SCIENCE AND ENGINEERING of the New Horizon College of Engineering during the year 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. Shubhi Srivastava

(Senior Assistant Professor)

Signature of HOD

Dr. Vandana C P

(HOD -ISE)

SEE Viva

Name of Examiner

1.....Dr. Divya-k.v.....

2.....M. Praveena.....

Signature with date



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 HEALTH GRID- Healthcare resource locator "

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

IN

INFORMATION SCIENCE AND ENGINEERING

BY

Aishwarya Dubey - 1NH22IS199

Challa Geya Akshatha - 1NH22IS200

Kiran Bankapur - 1NH23IS406

Sujal Malviya - 1NH22IS169

Under the guidance of

Mrs. RAMA BANSIDHAR DAN

Academic Year: 2025-26



NEW HORIZON COLLEGE OF ENGINEERING

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DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

It is hereby certified that the project phase-II work entitled "SMART HEALTH GRID-Healthcare resource locator" is a bonafide work carried out by Aishwarya Dubey (1NH22IS199), Challa Geya Akshatha (1NH22IS200), Kiran Bankapur(1NH23IS406) and Sujal Malviya (1NH22IS169) in partial fulfilment for the award of Bachelor of Engineering in INFORMATION SCIENCE AND ENGINEERING of the New Horizon College of Engineering during the year 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

Mrs. RAMA BANSIDHAR DAN

Senior Assistant Professor

Signature of HOD

Dr. Vandana C.P

HOD - ISE

SEE Viva

Name of Examine

Signature with date

1. Dr. Divya-K.V.

2. M. PRAVEENA



NEW HORIZON COLLEGE OF ENGINEERING

Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC
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A PROJECT PHASE-2 REPORT
ON
"INTELLIGENT VIRTUAL TRAINING ASSISTANT FOR STUDENT
CENTERED EDUCATION"

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

IN

INFORMATION SCIENCE AND ENGINEERING

BY

MANISH R-1NH22IS083

MARLINGANAPPAVRA TEJAS-1NH22IS084

MOHAMMED MUSTAFA-1NH22IS088

NITEESHA VARMABALLI S-1NH22IS104

Under the guidance of

Ms. PARVATHY S

Senior Assistant Professor

Academic Year: 2025-26

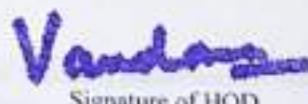


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Accredited by NAAC with 'A' Grade, Accredited by NBA

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING CERTIFICATE

It is hereby certified that the project phase-II work entitled "**Intelligent Virtual Training Assistant For Student Centered Education**" is a bonafide work carried out by **Manish R (1NH22IS083)**, **Marilinganappavara Tejas (1NH22IS084)**, **Mohammed Mustafa (1NH22IS088)** and **Niteesha Varamballi S (1NH22IS104)** in partial fulfilment for the award of **Bachelor of Engineering in INFORMATION SCIENCE AND ENGINEERING** of the New Horizon College of Engineering during the year **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. Parvathy S.

Dr. Vandana C.P

Senior Assistant Professor

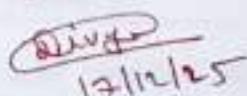
HOD - ISE

SEE Viva

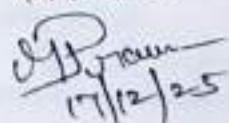
Name of Examine

Signature with date

1. Dr. Divya - k.v.....


12/12/25

2. M. Praveena.....


17/12/25



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A PROJECT PHASE-II REPORT

ON

"CareLoop - AI-Driven approach for advancing efficiency, accuracy, and accessibility in Oral Healthcare Systems"

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

IN

INFORMATION SCIENCE AND ENGINEERING

BY

ATHMIKA S 1NH22IS024

DEEKSHITHA S 1NH22IS036

K N MEGHANA 1NH22IS060

VARSHA S 1NH22IS179

Under the guidance of

Mrs Jenita Subash

Academic Year: 2025-26



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DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

It is hereby certified that the project phase-II work entitled "**CareLoop - AI-Driven approach for advancing efficiency, accuracy, and accessibility in Oral Healthcare Systems**" is a bonafide work carried out by ATHMIKA S(1NH22IS024), DEEKSHITHA S(1NH22IS036), K N MEGHANA(1NH22IS060) ,VARSHA S(1NH22IS179) in partial fulfilment for the award of **Bachelor of Engineering in INFORMATION SCIENCE AND ENGINEERING** of the New Horizon College of Engineering during the year 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

Mrs Jenita Subash

Senior Assistant Professor



Signature of HOD

Dr. Vandana C.P

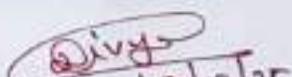
HOD - ISE

SEE Viva

Name of Examine

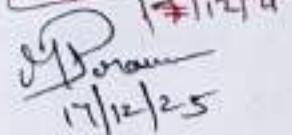
Signature with date

1. Dr. Divya - k:V.....



Divya - k:V
17/12/25

2. M. PRANEENA.....



M. PRANEENA
17/12/25



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A PROJECT PHASE-II REPORT ON

"TRUECAST: AI-POWERED VOTING WITH BLOCKCHAIN AND BIOMETRIC AUTHENTICATION "

Submitted in partial fulfilment for the award of the degree of

BACHELOR OF ENGINEERING

IN

INFORMATION SCIENCE AND ENGINEERING

BY

AKASH P KALYANKAR 1NH22IS010

ANIRUDH WAGGE 1NH22IS017

HARSHITH KM 1NH22IS051

KAUSHIK J T 1NH22IS065

Under the guidance of :

**Mrs. Priya N
Senior Assistant Professor**

Academic Year: 2025-26



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DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

It is hereby certified that the project phase-II work entitled "TRUECAST: ai-powered voting with blockchain and biometric authentication" is a Bonafide work carried out by AKASH P KALYANIKAR(1NH22IS010),ANIRUDH WAGGE(1NH22IS017),HARSHITH KM(1NH22IS051) and KAUSHIK JT(1NH22IS065) in partial fulfilment for the award of **Bachelor of Engineering in INFORMATION SCIENCE AND ENGINEERING** of the New Horizon College of Engineering during the year 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

Mrs. Priya N

Senior Assistant Professor

Signature of HOD

Dr. Vandana C.P

HOD - ISE

SEE Viva

Name of Examine

Signature with date

1.Dr. Divyanshu.....

2.M. PRAVEENA.....



Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC
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**A PROJECT PHASE-II REPORT
ON
"OneHealth: Where Healthcare Meets Convenience "**

Submitted in partial fulfilment for the award of the degree of

BACHELOR OF ENGINEERING

IN

INFORMATION SCIENCE AND ENGINEERING

BY

SAI PRAKASH N 1NH22IS145

SANJAY KUMAR S 1NH22IS149

SOVEN M BHONSLE 1NH22IS162

SUPREETH R KADDI 1NH22IS172

Under the guidance of

Ms. Shruthi G R

Sr. Assistant Professor

Academic Year: 2025-26



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DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

It is hereby certified that the project phase-II work entitled "OneHealth" is a Bonafide work carried out by SAI PRAKASH (1NH22IS145), SANJAY KUMAR S (1NH22IS149), SOVEN M BHONSLE (1NH22IS162) and SUPREETH R KADDI (1NH22IS172) in partial fulfilment for the award of Bachelor of Engineering in INFORMATION SCIENCE AND ENGINEERING of the New Horizon College of Engineering during the year 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. Shruthi G R

Sr. Assistant Professor

Signature of HOD

Dr. Vandana C.P

HOD - ISE

SEE Viva

Name of Examine

Signature with date

1.Dr. Divya-kumar.....
2.M.PRAVEENA.....



NEW HORIZON COLLEGE OF ENGINEERING

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A PROJECT PHASE-II REPORT

ON

"Rail Radar: Smart Tracking for Smarter Travel"

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

IN

INFORMATION SCIENCE AND ENGINEERING

BY

Keerthana B **1NH22IS068**

Jayashree M Reddy **1NH22IS057**

Rohith B **1NH22IS135**

Peddireddy Sunil Kumar **1NH22IS109**

Under the guidance of

Dr. Divya K V

Associate Professor

Dept. Of ISE, NHCE

Academic Year: 2025-26



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DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

It is hereby certified that the project phase-II work entitled "Rail Radar: Smart Tracking for Smarter Travel" is a bonafide work carried out by Keerthana B(1NH22IS068), Jayashree M Reddy(1NH22IS057), Rohith B(1NH22IS135) and Peddireddy Sunil Kumar(1NH22IS109) in partial fulfilment for the award of Bachelor of Engineering in INFORMATION SCIENCE AND ENGINEERING of the New Horizon College of Engineering during the year 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 Author

Dr. Divya K V

Associate Professor

Signature of HOD

Dr. Vandana C.P

HOD - ISE

SEE Viva

Name of Examine

Signature with date

1. Dr. Divya - k.v.....
2.M.PRAVEENA.....



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**A PROJECT PHASE-II REPORT
ON
"EarthPulse: An Open-Source Climate and Disaster Data
Integration Platform"**

Submitted in partial fulfilment for the award of the degree of

BACHELOR OF ENGINEERING

IN

INFORMATION SCIENCE AND ENGINEERING

BY

PRARTHANA R -1NH22IS115

NISARGA H N -1NH22IS102

MYTHRRI R -1NH22IS091

KEERTHI HAUDAKARI- 1NH22IS069

Under the guidance of

Dr. J Karthiyayini

Associate Professor

Academic Year: 2025-26



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DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

It is hereby certified that the project phase-II work entitled "EarthPulse: An Open-Source Climate and Disaster Data Integration Platform" is a bonafide work carried out by Prarthana R (1NH22IS115), Nisarga H N (1NH22IS102), Mythri R (1NH22IS091) and Keerthi Haudakari (1NH22IS069) in partial fulfilment for the award of Bachelor of Engineering in INFORMATION SCIENCE AND ENGINEERING of the New Horizon College of Engineering during the year 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 Karthiyayini

Associate Professor



Signature of HOD

Dr. Vandana C.P

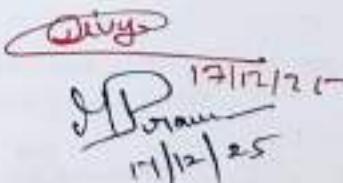
HOD - ISE

SEE Viva

Name of Examine

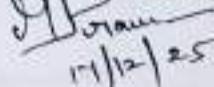
Signature with date

1. Dr. Divya - K. V



Divya
17/12/25

2. M. Praveena



M. Praveena
17/12/25



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A PROJECT PHASE-2 REPORT
ON
" EVALIFY-Automated evaluation and assessment system "

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

IN

INFORMATION SCIENCE AND ENGINEERING

BY

NIVEDITA GHAI -1NH22IS107

SUBHIKA SRI G -1NH22IS164

VIJAY KUMAR M -1NH22IS184

VISHAL M BHARADWAJ -1NH22IS189

Under the guidance of

Dr. Kalaivani D

Designation: Associate Professor

Academic Year: 2025-26



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DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

It is hereby certified that the interdisciplinary project phase-I work entitled "EVALIFY-
Automated evaluation and assessment system" is a bonafide work carried out by
Nivedita Ghai (1NH22IS107), Subhika Sri G (1NH22IS164), Vijay Kumar M (1NH22IS184)
and Vishal M Bharadwaj (1NH22IS189) in partial fulfilment for the award of Bachelor of
Engineering in INFORMATION SCIENCE AND ENGINEERING of the New Horizon College of
Engineering during the year 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. Kalaivani D

(Associate Professor)

Signature of HOD

Dr. Vandana C P

(HOD -ISE)

SEE Viva

Name of Examiner

1. Dr. Divya-k.v
2. M. PRAVERNA

Signature with date



NEW HORIZON COLLEGE OF ENGINEERING

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**A PROJECT PHASE-II REPORT
ON
"FLOREX: INSTANT SPACES, INFINITE POSSIBILITIES "**

Submitted in partial fulfillment for the award of the degree of
BACHELOR OF ENGINEERING

**IN
INFORMATION SCIENCE AND ENGINEERING
BY**

SUBHRANSHU PATRA -1NH22IS165

SUMIT KUMAR -1NH22IS192

NIKET VERMA -1NH22IS194

ROMANKHAN DEVADI -1NH23IS414

Under the guidance of

Dr. VANDANA C P

Associate Professor and Head of Department ISE

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 INFORMATION SCIENCE AND ENGINEERING CERTIFICATE

It is hereby certified that the project phase-II work entitled "FLOREX: INSTANT SPACES, INFINITE POSSIBILITIES" is a bonafide work carried out by **SUBHRANSHU PATRA (1NH22IS165)**, **SUMIT KUMAR (1NH22IS192)**, **NIKET VERMA (1NH22IS194)** and **ROMANKHAN DEVADI (1NH23IS414)** in partial fulfilment for the award of Bachelor of Engineering in **INFORMATION SCIENCE AND ENGINEERING** of the New Horizon College of Engineering during the year 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. VANDANA C P

Associate Professor and HOD - ISE

Signature of HOD

Dr. VANDANA C P

Associate Professor and HOD - ISE

SEE Viva

Name of Examiner

1. Dr. Divya - k. l.
2. M. Praveena

Signature with date



NEW HORIZON COLLEGE OF ENGINEERING

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**A PROJECT PHASE-II REPORT
ON
"Smart Disease Diagnosis for Potato Farmers"**

Submitted in partial fulfillment for the award of the degree of
BACHELOR OF ENGINEERING

**IN
INFORMATION SCIENCE AND ENGINEERING**

BY
MONIKA - 1NH22IS090
NIDISH KUMAR G – 1NH22IS098
THARAKESHWAR S – 1NH22IS141
SUJAY B – 1NH22IS171

Under the guidance of
Dr. KALAIVANI D

Designation: Associate Professor

Academic Year: 2025-26



NEW HORIZON COLLEGE OF ENGINEERING

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DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

It is hereby certified that the project phase-II work entitled "Smart Disease Diagnosis for Potato Farmers" is a Bonafide work carried out by Monika(1NH22IS090), Nidish Kumar G(1NH22IS098), Tharakeshwar S(1NH22IS141) and Sujay B(1NH22IS171) in partial fulfilment for the award of Bachelor of Engineering in INFORMATION SCIENCE AND ENGINEERING of the New Horizon College of Engineering during the year 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. Kalaivani D

Associate Professor

Signature of HOD

Dr. Vandana C.P

HOD -ISE

SEE Viva

Name of Examiner

1. Dr. Rajlakshmi G
2. Dr. Rekith H.P

Signature with date

1. 17/12/25
2. 17/12/25



NEW HORIZON **COLLEGE OF ENGINEERING**

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

A PROJECT PHASE-II REPORT ON
**"DEEP LEAF-IDENTIFICATION OF MEDICAL PLANTS USING
DEEP LEARNING TECHNIQUES"**

Submitted in partial fulfillment for the award of the degree of

**BACHELOR OF ENGINEERING IN
INFORMATION SCIENCE AND ENGINEERING BY**

E ASHISH GUPTA	1NH22IS043
G SHASI VARDHAN REDDY	1NH22IS048
K AKASH	1NH22IS063
DAYANANDA D N	1NH22IS034

Under the guidance of
Dr. Karthiyayini J
Associate Professor

Academic Year: 2025-26



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DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING CERTIFICATE

It is hereby certified that the project phase-II work entitled "DEEP LEAF- IDENTIFICATION OF MEDICAL PLANTS USING DEEP LEARNING TECHNIQUES" is a Bona fide work carried out by E ASHISH GUPTA (1NH22IS043), G SHASI VARDHAN REDDY (1NH22IS048), K AKASH (1NH22IS063) and DAYANANDA D N (1NH22IS034) in partial fulfilment for the award of Bachelor of Engineering in INFORMATION SCIENCE AND ENGINEERING of the New Horizon College of Engineering during the year 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. Karthiyayini J

Associate Professor

Signature of HOD

Dr. Vandana C P

HOD -ISE

SEE Viva

Name of Examiner

1. Dr. Rajatshree G
2. Dr. Rohit R.H.P.

Signature with date



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A PROJECT PHASE-II REPORT

ON

"GPS-Enabled Real-Time Emergency Notification System"

Submitted in partial fulfilment for the award of the degree of

BACHELOR OF ENGINEERING

IN

INFORMATION SCIENCE AND ENGINEERING

BY

CHANDRESH D **1NH22IS029**

DARSHAN D MADIWALAR **1NH22IS033**

DINESH P **1NH22IS041**

SHREYA R VARUR **1NH22IS158**

Under the guidance of

Dr. Divya. K.V

Associate Professor

Dept. Of ISE, NHCE

Academic Year: 2025-2026



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DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

It is hereby certified that the project phase-II work entitled "GPS-Enabled Real-Time Emergency Notification System" is a Bonafide work carried out by CHANDRESH D (INH22IS029), DARSHAN D MADIWALAR (INH22IS033), DINESH P (INH22IS041), SHREYA R VARUR (INH22IS158) in partial fulfilment for the award of Bachelor of Engineering in INFORMATION SCIENCE AND ENGINEERING of the New Horizon College of Engineering during the year 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. Divya, K.V

Associate Professor

Signature of HOD

Dr. Vandana C.P

HOD - ISE

SEE Viva

Name of Examiner

1... Dr. Rajalakshmi G.....

Signature with date

2... Dr. Rohith H.P.....



NEW HORIZON COLLEGE OF ENGINEERING

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**A PROJECT PHASE-II REPORT
ON
"EchoPath - Translating Voices, Enabling Future"**

Submitted in partial fulfilment for the award of the degree of

BACHELOR OF ENGINEERING

IN

INFORMATION SCIENCE AND ENGINEERING

BY

S HARSHA BHAT 1NH22IS139

SHASHANK H D 1NH22IS154

TARUN RAO 1NH22IS176

SUKEERTI VANI JHA 1NH22IS203

Under the guidance of

Ms. SHRUTHI G R

Sr. Assistant Professor

Academic Year: 2025-26



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

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

It is hereby certified that the project phase-II work entitled "EchoPath – Translating Voices, Enabling Future" is a bonafide work carried out by **S HARSHA BHAT (1NH22IS139)**, **SHASHANK H D (1NH22IS154)**, **TARUN RAO (1NH22IS176)** and **SUKEERTI VANI JHA (1NH22IS203)** in partial fulfilment for the award of **Bachelor of Engineering in INFORMATION SCIENCE AND ENGINEERING** of the New Horizon College of Engineering during the year **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. Shruthi G R

(Sr. Assistant Professor)

Signature of HOD

Dr. Vandana C.P

HOD - ISE

SEE Viva

Name of Examiner

1. Dr. Rajalakshmi G
2. Dr. Roli H. N.P

Signature with date



NEW HORIZON COLLEGE OF ENGINEERING

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A PROJECT PHASE-II REPORT ON "HEALTHMATE:Smarter Health one tap away "

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

IN

INFORMATION SCIENCE AND ENGINEERING

BY

A.NIDHI REDDY 1NH22IS001

AFRIN ISLAM 1NH22IS009

AVULA ANJU MADHAVI 1NH22IS025

CHINMAYEE AKSHITHA M 1NH22IS030

Under the guidance of

Mrs. Priya N

SENIOR ASSISTANT PROFESSOR

Academic Year: 2025-26



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

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING
CERTIFICATE

It is hereby certified that the project phase-II work entitled "**HEALTHMATE:Smarter Health one tap away**" is a bonafide work carried out by **A.NIDHI REDDY(1NH22IS001)**, **AFRIN ISLAM(1NH22IS009)**, **AVULA ANJU MADHAVI(1NH22IS025)** and **CHINMAYEE AKSHITHA M(1NH22IS030)** in partial fulfillment for the award of **Bachelor of Engineering in INFORMATION SCIENCE AND 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 HOD

Mrs. Priya N

(Senior Assistant Professor)

Dr. Vandana C.P

HOD - ISE

SEE Viva

Name of Examiner

Signature with date

1. Dr. Rajlakshmi g.....

2. Dr. Rohith H.P.....



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**A PROJECT PHASE-II REPORT
ON
"EDUTRACK: Student Performance Analysis System "**

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING
IN
INFORMATION SCIENCE AND ENGINEERING
BY

Varun Rao -1NH22IS182

Siddharth shenvi - 1NH22IS160

Rahul Jangir -1NH22IS120

Sanskars pandey - 1NH22IS150

Under the guidance of

Mrs. Jenitha Shubash
Assistant Professor

Academic Year: 2025-26



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DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

It is hereby certified that the project phase-II work entitled "EDUTRACK: Student Performance Analysis System" is a bonafide work carried out by Varun Rao (1NH22IS182), Siddharth Shenvi (1NH22IS160), Sanskar Pandey (1NH22IS150) and Rahul Jangir (1NH22IS120) in partial fulfilment for the award of Bachelor of Engineering in INFORMATION SCIENCE AND ENGINEERING of the New Horizon College of Engineering during the year 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

Mrs. Jenitha Shubash

Assistant Professor

Signature of HOD

Dr. Vandana C.P

HOD - ISE

SEE Viva

Name of Examine

1. Dr. Rajalakshmi G.....
2. Dr. Polithi H.P.....

Signature with date



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
**"INTELLIGENT VEHICLE DAMAGE ASSESSMENT AND COST
ESTIMATOR FOR INSURANCE COMPANIES "**

Submitted in partial fulfillment for the award of the degree of

**BACHELOR OF ENGINEERING IN
INFORMATION SCIENCE AND ENGINEERING**

BY

GOLLA SAI KIRAN	1NH22IS049
G REVATHI	1NH22IS046
K VIKASH	1NH22IS064
G VARA PRASAD	1NH22IS050

Under the guidance of
Ms PARVATHY S
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 INFORMATION SCIENCE AND ENGINEERING CERTIFICATE

It is hereby certified that the project phase-II work entitled "INTELLIGENT VEHICLE DAMAGE ASSESSMENT AND COST ESTIMATOR FOR INSURANCE COMPANIES" is a bonafide work carried out by GOLLA SAI KIRAN (1NH22IS049), G REVATHI(1NH22IS046), K VIKASH (1NH22IS064) and G VARA PRAKASH (1NH22IS050) in partial fulfilment for the award of Bachelor of Engineering in INFORMATION SCIENCE AND ENGINEERING of the New Horizon College of Engineering during the year 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.PARVATHY S
(Senior Assistant Professor)

Signature of HOD

Dr. Vandana C P
(HOD -ISE)

SEE Viva

Name of Examiner

1. Dr. Rajalakshmi G
2. Dr. Polikar H R

Signature with date



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

"ClassGenie-Voice Enabled Virtual Teacher with Personalized Feedback"

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

IN

INFORMATION SCIENCE AND ENGINEERING

BY

R Sanath Kumar – 1NH22IS118

S G Vignesh - 1NH22IS138

Suraj Kumar Hansdah - 1NH22IS173

Ravikant Patel - 1NH22IS126

Under the guidance of

Ms. Rama Banshidar Dan

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 INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

It is hereby certified that the project phase-II work entitled "ClassGenie – Voice Enabled Virtual Teacher with Personalized Feedback" is a bonafide work carried out by R Sanath Kumar(1NH22IS118), S G Vignesh(1NH22IS138), Suraj Kumar Hansdah(1NH22IS173) and Ravikant Patel(1NH22IS126) in partial fulfilment for the award of **Bachelor of Engineering** in INFORMATION SCIENCE AND ENGINEERING of the New Horizon College of Engineering during the year 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. Rama Banshidar Dan

Senior Assistant Professor

Signature of HOD

Dr. VANDANA C P

Associate Professor and HOD - ISE

SEE Viva

Name of Examiner

1. Dr. Leyla Ashwini
2. Dr. Robith H-P

Signature with date



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
"Rewire: Gamified Habit Formation and Recovery"**

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

IN

INFORMATION SCIENCE AND ENGINEERING

BY

Dushyanth S -1NH22IS042

Anees Ahmed Baig -1NH22IS015

Heshvanth S -1NH22IS053

Under the guidance of

Ms. Shubhi Srivastava

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 INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

It is hereby certified that the project phase-II work entitled "Rewire: Gamified Habit Formation and Recovery" is a bonafide work carried out by Dushyanth S (1NH22IS042), Anees Ahmed Baig (1NH22IS015), Heshvanth S (1NH22IS053) in partial fulfilment for the award of Bachelor of Engineering in INFORMATION SCIENCE AND ENGINEERING of the New Horizon College of Engineering during the year 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. Shubhi Srivastava

(Senior Assistant Professor)

Signature of HOD

Dr. Vandana C.P.

HOD - ISE

SEE Viva

Name of Examiners

1. Dr. Raj Lakhwir G., NHCE
2. Dr. Rohith H.P.

Signature with date



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 “GEOVIBE”

Submitted in partial fulfillment for the award of the degree of
BACHELOR OF ENGINEERING
IN
INFORMATION SCIENCE AND ENGINEERING
BY
VISHRUTHA C 1NH22IS198
SUJAL N 1NH22IS170
NIRANJAN G 1NH22IS101
THORAN GOWDA 1NH22IS201

Under the guidance of
Mrs. Sweet Subhashree

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 INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

It is hereby certified that the project phase-II work entitled "" is a bonafide work carried out by **Vishrutha C (INH22IS198)**, **Sujal N (INH22IS170)**, **Niranjan G (INH22IS101)**, **Thoran Gowda (INH23IS201)** in partial fulfilment for the award of Bachelor of Engineering in **INFORMATION SCIENCE AND ENGINEERING** of the New Horizon College of Engineering during the year **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

Mrs. Sweet Subhashree

Sr Assistant Professor

Signature of HOD

Dr. Vandana C.P

HOD -ISE

SEE Viva

Name of Examine

1. Dr. Raj Lathmuni G
2. Dr. Rohith H R

Signature with date



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 FARMER SOCIAL MEDIA"**

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

IN

INFORMATION SCIENCE AND ENGINEERING

BY

MANOJ KUMAR S PATIL 1NH23IS410

SHASHANK H U 1NH23IS415

RAVI KUMAR B 1NH23IS413

TEIAS D 1NH23IS416

Under the guidance of

Dr.Rajlakshmi Ghatkamble
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 INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

It is hereby certified that the project phase-II work entitled "AI-BASED FARMER SOCIAL MEDIA" is a Bonafide work carried out by MANOJ KUMAR S PATIL(1NH23IS410), SHASHANK H U(1NH23IS415), RAVI KUMAR B(1NH23IS413) and TEJAS D(1NH23IS416) in partial fulfillment for the award of Bachelor of Engineering in INFORMATION SCIENCE AND 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

Dr. Rajlakshmi Ghatkamble
(Associate Professor)

Signature of HOD

Dr. Vandana C.P
HOD - ISE

SEE Viva

Name of Examinee

1. Dr. Rajlakshmi G
2. Dr. Vandana C.P

Signature with date

R. Ghatkamble (7/12/25)
R. C.P. 12/12/25



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 " SCAMGUARD: INTELLIGENT SCAM PROTECTION FOR USERS "

Submitted in partial fulfillment for the award of the degree of

**BACHELOR OF
ENGINEERING IN
INFORMATION SCIENCE AND
ENGINEERING BY**

PRANALEE C	1NH22IS112
PRAPTI C	1NH22IS114
RUHITA M	1NH22IS137
NEHA REDDY N	1NH22IS096

Under the guidance of

Mrs. Neha Jadhav

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 INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

It is hereby certified that the project phase-II work entitled "**ScamGuard: Intelligent scam protection for users**" is a bonafide work carried out by **Pranalee C (1NH22IS112)**, **Prapti C (1NH22IS114)**, **Ruhita M (1NH22IS137)** and **Neha Reddy N (1NH22IS096)** in partial fulfilment for the award of **Bachelor of Engineering** in **INFORMATION SCIENCE AND ENGINEERING** of the New Horizon College of Engineering during the year **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

Mrs. Neha Jadhav

Assistant Professor



Signature of HOD

Dr. Vandana C.P.

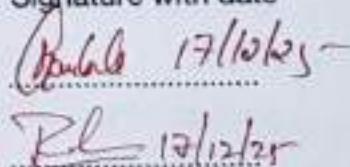
HOD - ISE

SEE Viva

Name of Examinee

1. Dr. Raj Lekshmi G
2. Dr. Rohith H.P

Signature with date



R.H. 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

"PASTORIA "

Submitted in partial fulfilment for the award of the degree of

BACHELOR OF ENGINEERING
IN
INFORMATION SCIENCE AND ENGINEERING
BY

AADISESHAN	1NH22IS004
ARJUN ANIL KUMAR	1NH22IS023
JASMINE GUPTA	1NH22IS055

Under the guidance of

Dr. J. Karthiyayini

Associate Professor

NHCE

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 INFORMATION SCIENCE AND ENGINEERING

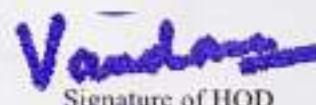
CERTIFICATE

It is hereby certified that the project phase-II work entitled "Pastoria" is a Bonafide work carried out by AADISESHAN (1NH22IS004), ARJUN ANIL KUMAR (1NH22IS023), JASMINE GUPTA (1NH22IS055) in partial fulfilment for the award of **Bachelor of Engineering** in **INFORMATION SCIENCE AND ENGINEERING** of the New Horizon College of Engineering during the year 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. Kaarthiyagini
Dr. J. Karthiayini

Associate Professor



Signature of HOD

Dr. Vandana C.P

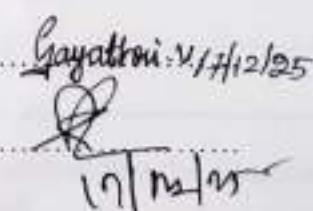
HOD - ISE

SEE Viva

Name of Examiner

Signature with date

1. Gayathri...V.....
2. Triniti.....



Gayathri.V/112/25
Triniti
17/10/25



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

**"Multi-Pathology Chest X-Ray Classification Using DenseNet121 with
Grad-CAM Visual Attention Mechanisms"**

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

IN

INFORMATION SCIENCE AND ENGINEERING

BY

ROHAN KARYAPPA P N 1NH22IS132

LOK RANJAN H M 1NH23IS409

B PRASHANTH 1NH23IS402

Under the guidance of

Mrs. Shalini A

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 INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

It is hereby certified that the project phase-II work entitled "Multi-Pathology Chest X-Ray Classification Using DenseNet121 with Grad-CAM Visual Attention Mechanisms" is a bonafide work carried out by ROHAN KARYAPPA P N(1NH22IS132), LOK RANJAN H M (1NH23IS409), B PRASHANTH(1NH23IS402) in partial fulfilment for the award of Bachelor of Engineering in INFORMATION SCIENCE AND ENGINEERING of the New Horizon College of Engineering during the year 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

Mrs. Shalini A

(Sr. Assistant Professor)

Dr. Vandana C.P

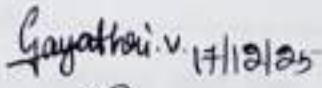
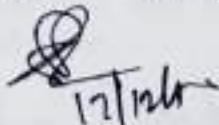
HOD - ISE

SEE VIVA

Name of Examine

Signature with date

1. Gayathri V.....
2. Jeni Subash.....



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

"LifeLane: A Dual-layer Emergency Vehicle Traffic Clearance System Using Embedded Communication and Machine Learning"

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING
IN
INFORMATION SCIENCE AND
ENGINEERING
BY

A PRANIT REDDY - 1NH22IS002
ANANYA B SRINGERI - 1NH22IS013

BACHELOR OF ENGINEERING
IN
ELECTRONICS AND COMMUNICATION
ENGINEERING
BY

S SRIVATHSAV - 1NH22EC142
TEJ M BHAT - 1NH22EC168

Under the guidance of
Dr. Vandana C P
HOD Dept. of ISE

Under the guidance of
Mr. TVS Adinarayana
Senior Associate Professor Dept. of ECE

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 INFORMATION SCIENCE AND ENGINEERING CERTIFICATE

It is hereby certified that the project phase-II work entitled "LifeLane" is a bonafide work carried out by A Pranit Reddy (1NH22IS002) and Ananya B Sringeri (1NH22IS013) in partial fulfilment for the award of Bachelor of Engineering in INFORMATION SCIENCE AND ENGINEERING of the New Horizon College of Engineering during the year 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. Vandana C P

HOD-ISE

SEE Viva

Signature of HOD

Dr. Vandana C.P

HOD - ISE

Name of Examiner

1. Gayathri V.
2. Jerusha Sekar

Signature with date

1. Gayathri V. 11/12/25
2. Jerusha Sekar 11/12/25



NEW HORIZON COLLEGE OF ENGINEERING

Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC
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A PROJECT WORK REPORT ON INTERDISCIPLINARY PROJECT TITLED

**"ZeroRush: IoT-Based Motorbike Monitoring with Helmet Detection
and Eco-Safe Driving Score Using Adaptive Penalty Scoring Method"**

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

IN

ELECTRICAL AND ELECTRONICS

ENGINEERING

BY

SHIVAM PANDEY -1NH22EE100

SUDEEP KUMAR DUTTA - 1NH22EE108

BACHELOR OF ENGINEERING

IN

INFORMATION SCIENCE AND

ENGINEERING

BY

SANIA DAS -1NH22IS146

NANDANA RAJ -1NH22IS193

Under the guidance of

Dr. B.GUNAPRIYA

Assistant Professor

Under the guidance of

Mrs. Bhakti Kamate

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 INFORMATION SCIENCE AND ENGINEERING CERTIFICATE

It is hereby certified that the interdisciplinary project work entitled "ZeroRush: IoT-Based Motorbike Monitoring with Helmet Detection and Eco-Safe Driving Score Using Adaptive Penalty Scoring Method" is a bonafide work carried out by SANIA DAS (1NH22IS146) and NANDANA RAJ (1NH22IS193) in partial fulfilment for the award of Bachelor of Engineering in INFORMATION SCIENCE AND ENGINEERING of the New Horizon College of Engineering during the year 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
(Mrs. Bhakti Kamate)

Signature of Guide
(Dr. B.Gunapriya)

Signature of HOD
(HOD-ISE)

SEE VIVA

Name of Examiner

1. Gayathri, V.
2. Jenili Subash

Signature with date



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 WORK REPORT
ON
INTERDISCIPLINARY PROJECT TITLED**

**"Implementation Of Microprocessor-Based Automated
Assessment Systems Using Iot "**

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

IN

INFORMATION SCIENCE AND

ENGINEERING

BY

NITHIN BHASKARAN - 1NH22IS105

ROSHNI KUMARI JOSHI - 1NH22IS136

BACHELOR OF ENGINEERING

IN

ELECTRICAL AND ELECTRONICS

ENGINEERING

BY

MUHAMMED SINAN K V - 1NH22EE070

SUJAN KUMAR V - 1NH22EE109

Under the guidance of

Ms. BHAKTI SHASHIKANT KAMATE

Assistant Professor Dept. of ISE

Under the guidance of

Dr. VINOTH KUMAR K

Associate Head R& D and Professor Dept. of EEE

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 INFORMATION SCIENCE AND ENGINEERING CERTIFICATE

It is hereby certified that the interdisciplinary project work entitled "Implementation Of Microprocessor-Based Automated Assessment Systems Using IoT" is a bonafide work carried out by **ROSHNI KUMARI JOSHI (1NH22IS136)** and **NITHIN BHASKARAN (1NH22IS105)** in partial fulfilment for the award of Bachelor of Engineering in **INFORMATION SCIENCE AND ENGINEERING** of the New Horizon College of Engineering during the year 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. Bhakti Shashikant Kamate)

Signature of Guide

(Dr. Vinod Kumar K)

Signature of HOD

(HOD-ISE)

SEE VIVA

Name of Examiner

Signature with date

1. Gayathri V.
Joshi

2. Gayathri V. 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-2 REPORT
ON
INTERDISCIPLINARY PROJECT TITLED

"VOLTELLIGENCE: The Future of Smart EV Charging"

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

IN

INFORMATION SCIENCE AND
ENGINEERING

BY

ANANYA H R -1NH22IS014
LIPIKA A R -1NH22IS078

BACHELOR OF ENGINEERING

IN

ELECTRONICS AND COMMUNICATION
ENGINEERING

BY

AKSHAY SJ -1NH22EC008
HARIKAT -1NH22EC057

Under the guidance of
Ms. ROSE MARY CHACKO
Assistant Professor

Under the guidance of
Dr. JAYANTHI M
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 INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

It is hereby certified that the interdisciplinary project phase-I work entitled "Voltelligence: The Future of Smart EV Charging" is a bonafide work carried out by **ANANYA H R** (1NH22IS014) and **LIPIKA A R** (1NH22IS078) in partial fulfilment for the award of Bachelor of Engineering in INFORMATION SCIENCE AND ENGINEERING of the New Horizon College of Engineering during the year 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. Rose Mary Chacko)

Signature of HOD

(Dr. Vandana C P)

SEE Viva

Name of Examiner

1. *Gayathri V.*
2. *Jenifer Lubark*

Signature with date



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

**"MedTrack - Integrated platform for Medication tracking and
adherence monitoring "**

Submitted in partial fulfilment for the award of the degree of

BACHELOR OF ENGINEERING

IN

INFORMATION SCIENCE AND
ENGINEERING

BY

DHANUSH M -1NH22IS040

HANUMANTHARAYA -1NH23IS403

BACHELOR OF ENGINEERING

IN

ELECTRONICS AND COMMUNICATION
ENGINEERING

BY

GANESH RAMACHANDRA HEGDE-1NH22EC049

DIGANTH HS -1NH22EC046

Under the guidance of

Ms. ROSE MARY CHACKO
Assistant Professor

Under the guidance of

Ms. Mamta B Savadatthi
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 ELECTRONICS AND COMMUNICATION ENGINEERING

CERTIFICATE

It is hereby certified that the interdisciplinary project phase-I work entitled "**MedTrack-Integrated platform for medication tracking and adherence monitoring**" is a bonafide work carried out by **GANESH RAMACHANDRA HEGDE (1NH22EC049)** and **DIGANTH HS (1NH22EC046)** in partial fulfilment for the award of **Bachelor of Engineering in ELECTRONICS AND COMMUNICATIONS 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

Ms . Mamta B Savadatti
Senior Assistant Professor

Signature of Guide

Ms. Rose Mary Chacko
Assistant Professor

Signature of HOD

Dr. Aravinda K
HOD-ECE

SEE Viva

Name of Examiner

1. Gayathri V.
2.

Signature with date

[7/12/25]



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-2 REPORT ON INTERDISCIPLINARY PROJECT TITLED

“Infra Smart : IoT Based Smart Traffic Signals”

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING
IN
INFORMATION SCIENCE AND
ENGINEERING
BY

PRAKRUTHI K- INH22IS111
RIMJHIM TRIVEDI- INH22IS129

BACHELOR OF ENGINEERING
IN
ELECTRICAL AND ELECTRONICS
ENGINEERING
BY

ADITHYA MENON MS- INH22EE006
SAHANA S- INH22EE096

Under the guidance of

Dr. R.J Anandhi
Dean Academics

Under the guidance of

Dr. Sujoy Das
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 INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

It is hereby certified that the interdisciplinary project phase-I work entitled "**Infra Smart: IoT Based Smart Traffic Signals**" is a bonafide work carried out by **PRAKRUTHI K (1NH22IS111)** and **RIMJHIM TRIVEDI (1NH22IS129)** in partial fulfilment for the award of Bachelor of Engineering in **INFORMATION SCIENCE AND ENGINEERING** of the New Horizon College of Engineering during the year **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.J. Anandhi)

Signature of Guide
(Dr. Sujoy Das)

Signature of HOD
(HOD-ISE)

SEE Viva

Name of Examiner

- Gayathri V.
- Tantu

Signature with date



NEW HORIZON COLLEGE OF ENGINEERING

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A PROJECT PHASE-II REPORT

ON

"Ooru Alert – A Crowdsourced Urban Problem Reporting System"

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

IN

INFORMATION SCIENCE AND ENGINEERING

BY

SV ARADYA 1NH22IS142

PADMAJA GADI 1NH22IS108

Under the guidance of

Dr. Karthiyayini J

Associate Professor

Dept. Of ISE, NHCE

Academic Year: 2025-26



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

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

It is hereby certified that the project phase-II work entitled "Ooru Alert – A Crowdsourced Urban Problem Reporting System" is a bonafide work carried out by SV Aradya (1NH22IS142), Padmaja Gadi(1NH22IS108) in partial fulfilment for the award of Bachelor of Engineering in INFORMATION SCIENCE AND ENGINEERING of the New Horizon College of Engineering during the year 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. Karthiyayini J

Associate Professor

Signature of HOD

Dr. Vandana C.P.

HOD - ISE

SEE Viva

Name of Examiner

Signature with date

1. Gayathri. V.
2. Jenita Subash

13/12/25
12/12/24



NEW HORIZON COLLEGE OF ENGINEERING

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A PROJECT PHASE-II REPORT
ON
INTERDISCIPLINARY PROJECT TITLED

"Smart Traffic Clearance System for Emergency Vehicle Services"

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

IN

**INFORMATION SCIENCE AND
ENGINEERING**

BY

PRATHEEKSHA B SHETTY -1NH22IS117
RACHANA D M -1NH22IS119

BACHELOR OF ENGINEERING

IN

**ELECTRONICS AND COMMUNICATION
ENGINEERING**

BY

ABUZAR YASEEN -1NH22EC004
CHARANYA S REDDY -1NH22EC036

Under the guidance of

Ms. SHALINI A
SENIOR ASSISTANT PROFESSOR

Under the guidance of

Dr. G RAJESH
ASSOCIATE 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 INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

It is hereby certified that the interdisciplinary project phase-II work entitled "Smart Traffic Clearance System for Emergency Vehicle Services" is a bonafide work carried out by PRATHEEKSHA B SHETTY (1NH22IS117) and RACHANA D M (1NH22IS119) in partial fulfilment for the award of Bachelor of Engineering in INFORMATION SCIENCE AND ENGINEERING of the New Horizon College of Engineering during the year 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. Shalini A

Senior Assistant Professor (ISE)

Signature of Guide

Dr. G Rajesh

Associate Professor (EC)

Signature of HOD

Dr. Vandana C P

Professor & HOD-ISE

SEE Viva

Name of Examiner

1. Gayathri V.
2. Jenith Subash

Signature with date