

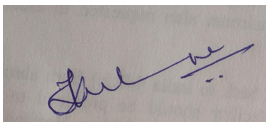
NEW HORIZON COLLEGE OF ENGINEERING

(Autonomous college, affiliated to VTU, Accredited by NBA and NAAC with 'A' Grade)

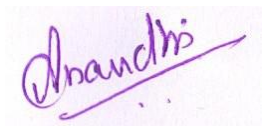
DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

Rubrics for Project Evaluation for CIE

Criteria/Level(Marks)	Does not meet expectation (70% of Weight age)	Meets expectation (90% of Weight age)	Exceeds expectation (100% of Weight age)
Abstract (15)	Irrelevant, downloaded from internet, unformatted	Relevant content, meets formal guidelines	Innovative representation of topic
Plans & Progress(15)	Does not adhere to timeline	Goes as per the plan	Works ahead of the plan
Presentation Skills & Viva(25)	Not confident, less eye contact or low body language , Unable to answer, shows lack of knowledge	Confident body language and message delivery, Able to answer questions	Excellent body language use of additional means eg .whiteboard , Able to answer all questions, shows in depth knowledge
Implementation & Adherence to coding standards(25)	No project approaches/ methods/ parameters were provided	Project approaches/methods/ parameters were clearly outlined and justified	Project approaches/methods/ parameters were clearly outlined and justified
Report(20)	Not according to guidelines, plagiarized	Meets all specified guidelines	Extensive research on the topic presented in the report



Coordinator



HOD-ISE



NEW HORIZON COLLEGE OF ENGINEERING

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DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

PROJECT BATCHES - 2021-22

SLNO	BATCH NO	NAME	USN	Project Title
1	BATCH-1	Anupam Kumar	1NH18IS013	Medifind
2		Nesar B Ganguli	1NH18IS069	
3		Akshatha M	1NH18IS006	
4		Dhanush Biligiri N H	1NH18IS030	
5	BATCH-2	T. Balaji Sai Swapnil	1NH18IS116	Rural development in regards to agriculture
6		Nidhish V Prabhakar	1NH18IS070	
7		Nikhil Ch	1NH18IS071	
8	BATCH-3	Stebin Sebastian	1NH18IS140	Social distancing maintaining robot using Arduino covibot
9		Narender Yadav	1NH18IS066	
10		Anshuman Samal	1NH18IS012	
11		Ketan Thakur	1NH18IS049	
12	BATCH-4	Nitesh kumar	1NH18IS072	Leaf classification and disease detection using CNN
13		Keerthan H	1NH18IS048	
14		Mala H R	1NH18IS057	
15		Mohammed Faizan	1NH18IS062	
16	BATCH-5	Mohammed Ismail	1NH18IS063	An improved robotic agent design for disabled and covid-19 affected people
17		Trivedh	1NH18IS043	
18		Pranay	1NH18IS036	
19		Venkatesh	1NH18IS051	
20	BATCH-6	Pramath	1NH18IS145	Garbage Monitoring system using IoT
21		C H Ramya Bhargavi	1NH18IS025	
22		Guda Bhargavi	1NH18IS038	
23		Shaikh Nyamathulla	1NH18IS101	
24	BATCH-7	Gaddam Jaithra Reddy	1NH18IS130	Hybrid cryptographic techniques for secured transmission of medical images
25		Ankitha K D	1NH18IS011	
26		Anisha Hiremath	1NH18IS009	
27		Anusha K M	1NH18IS015	
28	BATCH-8	Gondrala Sai Sharanya	1NH18IS035	Crop destruction using machine learning
29		Saveen C V	1NH18IS099	
30		Sakshi Aryal	1NH18IS092	
31		Sathmika Reddy	1NH18IS098	
32	BATCH-9	V Srujana	1NH18IS121	IoT based Pot Hole Detection
33		Sonali Preetha Nandagop	1NH18IS109	
34		Silpa S	1NH18IS106	
35	BATCH-10	Shripriya J	1NH18IS133	Predictive and IoT enabled solutions for air quality monitoring
36		Singupuram Atulya	1NH18IS107	
37		Mahima S Hebbar	1NH18IS056	
38		Aishwarya K Bhat	1NH18IS005	

SLNO	BATCH NO	NAME	USN	Project Title
39	BATCH-11	MOUNIKA B	INH18IS065	Efficient solar energy application for villagers
40		KALYAN KUMAR N	INH18IS045	
41		KAMINI YESESWINI	INH18IS046	
42		Bishal Singh	INH18IS021	
43	BATCH-12	Jnana P J	INH18IS041	Smart Glove for Blind
44		Monisha C	INH18IS064	
45		Pallavi V Kulkarni	INH18IS073	
46		Saloni K	INH18IS093	
47	BATCH-13	Atharva Malandkar	INH18IS017	Tripwire - an anti theft application for mobiles
48		Charan Krishnamurthy	INH18IS023	
49		Ibrahim Ansar	INH18IS040	
50		Keerthan M	INH18IS138	
51	BATCH-14	Sanjana Hombal	INH18IS134	Health Monitoring System
52		Sharanya G	INH18IS102	
53		Shreya L Reddy	INH18IS139	
54		Sanchitha BS	INH18IS095	
55	BATCH-15	Harshitha R	INH18IS039	"Soft Support" android application to help differently abled communicate with each other
56		Keerthishree V	INH18IS135	
57		Vismaye M	INH18IS126	
58		Kolli Pradeepthi	INH18IS050	
59	BATCH-16	Abhiram R	INH18IS002	Eye pay:Android control system for physically impaired people
60		Abhishek V Rai	INH18IS003	
61		Amogh Vishnu Pai	INH18IS007	
62		Likhith R	INH18IS053	
63	BATCH-17	Virochan A C	INH18IS125	Smart Agro
64		Karthik GR	INH18IS131	
65		Vignesh KS	INH18IS123	
66		Y NANDUSAI	INH18IS127	
67	BATCH-18	G krishna teja	INH18IS033	Integrated intrusion detection and prevention system with honeypot in cloud computing
68		Duggi sravan	INH18IS032	
69		A Harshel srivatsava	INH18IS001	
70		J Venkat	INH18IS042	
71	BATCH-19	Gelli sai mani kumar	INH18IS034	Driver dopiness and mobile alerting model
72		B Aravind Kumar	INH18IS022	
73		B Sree Harsha	INH18IS020	
74		M vinay kumar	INH18IS054	
75	BATCH-20	P sriveer	INH18IS074	Fire Alarm using IoT
76		M sanketh	INH18IS055	
77		vasanth s	INH18IS088	
78		K vinod	INH18IS146	
79	BATCH-21	Ritom Tamuli	INH18IS086	Android based fall detection and tracking app for aged people
80		Srutibanta Samantara	INH18IS112	
81		Ayush Sinha	INH18IS019	
82	BATCH-22	Vinay Hegde	INH18IS124	Seuropoint for the application of malware detection in android
83		Prajwal P	INH18IS077	
84		Praveen Hegde	INH19IS405	
85		Chrisel Fernandes	INH18IS026	
86		Shubhodeep Sarkar	INH18IS104	Andoid based application development for enhanced logistics of e waste
87		Manan Agrawal	INH18IS059	
88		Md Asif Kamal Quadri	INH18IS061	

	BATCH NO	NAME	USN	Project Title
	BATCH-23	Dhruv Gulati	1NH18IS031	
90		Reem Fatima Azeez	1NH18IS084	Smart street lights using IoT for energy conservation
91		K Reshma	1NH18IS137	
92	BATCH-24	Ria Carol Mohan	1NH18IS085	
93		SANGEETHA D	1NH18IS096	Plantae disease recognition
94		R H SHRAVYA	1NH18IS081	
95		SUCHALA K L	1NH19IS409	
96	BATCH-25	SOUNDHAARYHA	1NH18IS110	
97		Pooja T	1NH18IS076	IoT based farm freshness mobile application
98		Punith Kumar S	1NH18IS079	
99		Shankar Y	1NH18IS136	
100	BATCH-26	Gowtham V	1NH18IS037	
101		Sujay M	1NH18IS113	Number plate recognizer using Machine learning
102		Suraj	1NH18IS114	
103		Venkata Charan Reddy S	1NH18IS100	
104	BATCH-27	N Nikhileswar Reddy	1NH18IS067	
105		Karthik R	1NH18IS047	Management of IoT devices using Block chain
106		Sanjana A	1NH18IS097	
107		Rahul V	1NN18IS082	
108	BATCH-28	Tejashwini R	1NN18IS119	
109		Prakriti Sharma K P	1NH18IS078	Bluetooth embedded robotic with agriculture seeding plowing and grass cutting powered by solar energy
110		Medha Vinod	1NH18IS132	
111		Pushkar Sinha	1NH18IS080	
112	BATCH-29	Sourav Adhikari	1NH18IS111	
113		Vidhani Ayush	1NH18IS141	Accident detection and recue system using IoT
114		kumar Aman	1NH18IS052	
115		Anurag Dey	1NH18IS014	
116	BATCH-30	Anamika Bhattacharya	1NH18IS008	
117				Control based system for aged people
118		Pinaki Mukherjee	1NH18IS075	
119		Ayush Miharia	1NH18IS018	
120	BATCH-31	Ankit Singh	1NH18IS010	
121		Arpita Chowdary Vantip	1NH18IS016	"Aqua Swach" An APP for water purifier using IoT
122		Darshana Sailu Tanti	1NH18IS028	
123		Malvika Ravi K	1NH18IS058	
124	BATCH-32	K Krtin	1NH18IS044	
125		Tejal Lalji Rangani	1NH18IS118	Assistance technology Divyang
126		Yashmitha R	1NH18IS128	
127	BATCH-33	Anushka Sen	1NH18IS129	
128		SAGAR	1NH18IS090	Intelligent model building and implementation
129		Samrudh	1NH18IS094	
130	BATCH-34	Tejasvi	1NH18IS120	
131		IRENDRA KALKAMB	1NH19IS401	Intelligent Reader for Visually Impaired
132		PAVAN KUMAR S	1NH19IS404	
133		SYED SAQLAIN AHME	1NH19IS411	
134	BATCH-35	MOHAMMED KAIFUL	1NH19IS403	
135		Sunil Kumar H	1NH19IS410	Object detection using helmet for
136		B M Pramod	1NH19IS400	

SLNO	BATCH NO	NAME	USN	Project Title
137	BATCH-36	Kartik Bhinge	1NH19IS402	Visullay Impaired .
138		Shubham Annappa Khara	1NH19IS407	
139	BATCH-37	Charles Challaih J S	1NH16IS027	Driving Drowsiness Detection using IOT
140		Soma Shekar.J	1NH19IS408	
141		Naveen	1NH18IS068	
142		D V V Ashwanth	1NH18IS027	
143		Harsh Ankt	1NH18IS143	
144		Ashwath	1NH18IS027	
145	BATCH-38	Syed mateen	1NH18IS115	Image regeneration
146		Saif ulla sharief	1NH18IS142	
147		Hrutwik	1NH18IS144	
148	Tanmay Tiwari	1NH18IS117		

[Signature]
Project Coordinators

[Signature]
HoD_ISE 5/00/21



**NEW HORIZON
COLLEGE OF ENGINEERING**

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



TOP ENGINEERING COLLEGE OF INDIA as per
NATIONAL INSTITUTIONAL RANKING FRAMEWORK, 2018
Ministry of Human Resource Development, Government of India

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

A PROJECT REPORT ON

"MEDIFIND"

Submitted in the partial fulfillment of the requirements in the 8th semester of

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

By

AKSHATHA M	(INH18IS006)
ANUPAM KUMAR	(1NH18IS013)
DHANUSH BILIGIRI N H	(1NH18IS030)
NESAR B GANGULI	(1NH18IS069)

Under the guidance of

PROF. MOUNICA B,

Sr. Assistant Professor, Dept. of ISE, NHCE

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

NEW HORIZON COLLEGE OF ENGINEERING

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

Ring Road, Bellandur Post, Near

Marathalli, Bangalore-560103,

INDIA



NEW HORIZON COLLEGE OF ENGINEERING

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



TOP

ENGINEERING COLLEGE OF INDIA as per



NATIONAL INSTITUTIONAL RANKING FRAMEWORK, 2018

Ministry of Human Resource Development, Government of India

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

Certified that the project work entitled "**MediFind**", carried out by Ms. Akshatha M (1NH18IS006), Mr. Anupam Kumar (1NH18IS013), Mr. Dhanush Biligiri N H (1NH18IS030) and Mr. Nesar B Ganguli (1NH18IS069), bonafide students of NEW HORIZON COLLEGE OF ENGINEERING, Bengaluru, is in partial fulfillment for the award of Bachelor of Engineering in Information Science and Engineering of the Visveswaraiah Technological University, Belgaum during the year 2021-22. 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.

Name & Signature of the Guide

Prof. Mounica B

Name & Signature of the HOD

Dr. R J Anandhi

Signature of the Principal

Dr. Manjunatha

External Viva

Name of the Examiners

1. *Sany M. Kumarton*
2. *Mamasa CN*

Signature with Date

[Signature] 28/06/22
[Signature] 28/06/22



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

DECLARATION

We hereby declare that we have followed the guidelines provided by the Institution in preparing the project report and presented report of project titled "**MediFind**", and is uniquely prepared by us after the completion of the project work. We also confirm that the report is only prepared for my academic requirement and the results embodied in this report have not been submitted to any other University or Institution for the award of any degree.

Signature of the Students

Name : Akshatha M
USN : 1NH18IS006

Name : Anupam Kumar
USN : 1NH18IS013

Name : Dhanush Biligiri N H
USN : 1NH18IS030

Name : Nesar B Ganguli
USN : 1NH18IS069



NEW HORIZON COLLEGE OF ENGINEERING

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DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

A PROJECT REPORT ON

**"IOT-MOBILE APP BASED ON RURAL DEVELOPMENT IN
TERMS OF AGRICULTURE"**

Submitted in the partial fulfillment of the requirements in the 8th semester of

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

By

**T. BALAJI SAI SWAPNIL
1NH18IS116
NIDHISH V PRABHAKAR
1NH18IS070
NIKHIL CH
1NH18IS071
STEBIN SEBASTIAN
1NH18IS140**

Under the guidance of

DR. K SARAVANAN

Professor, Dept. of ISE, NHCE

NEW HORIZON COLLEGE OF ENGINEERING

Outer ring road, Kadubeesanahalli, Near Marathahalli, Bengaluru-560103



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

Certified that the project work entitled "IOT-MOBILE APP BASED ON RURAL DEVELOPMENT IN TERMS OF AGRICULTURE", carried out by Mr. T. Balaji Sai Swapnil (1NH18IS116), Mr. Nidhish V Prabhakar (1NH18IS070), Mr. Nikhil Ch (1NH18IS071), Mr. Stebin Sebastian (1NH18IS140) bonafide students of NEW HORIZON COLLEGE OF ENGINEERING, Bengaluru, is in partial fulfillment for the award of Bachelor of Engineering in Information Science and Engineering of the Visveswaraya Technological University, Belgaum during the year 2021-22. 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.

Name & Signature of the Guide

Dr. K Saravanan

Name & Signature of the HOD

Dr. R J Anandhi

Signature of the Principal

Dr. Manjunatha

External Viva

Name of the Examiners

- Manasa KN
- Sany. H. Anubal

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

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

DECLARATION

We hereby declare that we have followed the guidelines provided by the Institution in preparing the project report and presented report of project titled "IOT-MOBILE APP BASED ON RURAL DEVELOPMENT IN TERMS OF AGRICULTURE", and is uniquely prepared by us after the completion of the project work. We also confirm that the report is only prepared for my academic requirement and the results embodied in this report have not been submitted to any other University or Institution for the award of any degree.

Signature of the Students

T. Balaji Sai Swapnil

1NH18IS116

Nidhish V Prabhakar

1NH18IS070

Nikhil Ch

1NH18IS071

Stebin Sebastian

1NH18IS140



NEW HORIZON COLLEGE OF ENGINEERING

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DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

A PROJECT REPORT ON

"COVIBOT-A SOCIAL DISTANCING MONITORING ROBOT"

Submitted in the partial fulfillment of the requirements in the 8th semester of

BACHELOR OF ENGINEERING

IN

INFORMATION SCIENCE AND ENGINEERING

By

ANSHUMAN SAMAL

1NH18IS012

KETAN THAKUR

1NH18IS049

NARENDER YADAV

1NH18IS066

NITESH KUMAR

1NH18IS072

Under the guidance of

Dr. ARVIND KAPSE

Professor, Dept of

ISE, NHCE

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

NEW HORIZON COLLEGE OF ENGINEERING

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& NAAC with 'A' Grade)

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



NEW HORIZON COLLEGE OF ENGINEERING

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DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

DECLARATION

We hereby declare that we have followed the guidelines provided by the Institution in preparing the project report and presented report of project titled "COVIBOT-Social Distancing Monitoring Robot", and is uniquely prepared by us after the completion of the project work. We also confirm that the report is only prepared for my academic requirement and the results embodied in this report have not been submitted to any other University or Institution for the award of any degree

Signature of the Students

Anshuman Samal

Ketan Thakur

Narender Yadav

Nitesh Kumar

USN: 1NH18IS012

USN:1NH18IS049

USN: 1NH18IS066

USN:1NH18IS072



DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

Certified that the project work entitled "**COVIBOT-SOCIAL DISTANCING MONITORING ROBOT**", carried out by **Mr. Anshuman Samal** (1NH18IS012), **Mr. Ketan Thakur** (1NH18IS049), **Mr. Narender Yadav** (1NH18IS066) and **Mr. Nitesh Kumar** (1NH18IS072), bonafide students of NEW HORIZON COLLEGE OF ENGINEERING, Bengaluru, is in partial fulfillment for the award of Bachelor of Engineering in Information Science and Engineering of the Visveswaraiah Technological University, Belgaum during the year 2021-22. 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.

Name & Signature of the Guide

Dr. Arvind Kapse

Name & Signature of the HOD

Dr. R.J. Anandhi

Signature of the Principal

Dr. Manjunatha

External Viva

Name of the Examiners

1. *Mamasa C N*
2. *Sony. M. Kumbakon*

Signature with Date

[Signature] 28/6/22
[Signature] 28/6/22

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

Jnana Sangama, Belagavi, Karnataka - 590014



A PROJECT REPORT

ON

“ಭದ್ರತಾ ರೋಬೋಟ್ - Raspberry Pi robotic device for women safety”

(SPONSORED BY KSCST)



Project report submitted in the partial fulfilment of the requirements
for the award of the degree of

BACHELOR OF ENGINEERING

IN

INFORMATION SCIENCE AND ENGINEERING

Submitted by

KEERTHAN H

(1NH18IS048)

MALA H R

(1NH18IS057)

MOHAMMED FAIZAN

(1NH18IS062)

MOHAMMED ISMAIL

(1NH18IS063)

Under the guidance of

Dr. Kalaivani D

Associate Professor



NEW HORIZON COLLEGE OF ENGINEERING
DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

Bangalore-560103

2021-22



NEW HORIZON COLLEGE OF ENGINEERING

New Horizon Knowledge Park, Ring Road, Marathalli
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

Certified that the project work entitled “ಭದ್ರತಾ ರೋಬೋಟ್ - Raspberry Pi based Robotic Device for Women Safety”, carried out by Mr. Keerthan H (1NH18IS048), Ms. Mala H R (1NH18IS057), Mr. Mohammed Faizan (1NH18IS062) and Mr. Mohammed Ismail (1NH18IS063), bonafide students of NEW HORIZON COLLEGE OF ENGINEERING, Bengaluru, is in partial fulfillment for the award of Bachelor of Engineering in Information Science and Engineering of the Visveswaraiah Technological University, Belgaum during the year 2021-22. 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.

Name & Signature of the Guide

Dr. Kalaivani D

Name & Signature of the HOD

Dr. R J Anandhi

Signature of the Principal

Dr. Manjunatha

External Viva

Name of the Examiners

1. Sany. M. Kuvakur
2. Manasa EV

Signature with Date

28/06/22

28/06/22



NEW HORIZON COLLEGE OF ENGINEERING

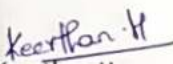
New Horizon Knowledge Park, Ring Road, Marathalli
Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC
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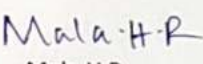
DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

DECLARATION

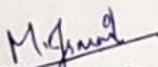
We hereby declare that we have followed the guidelines provided by the Institution in preparing the project report and presented report of project titled "ಭದ್ರತಾ ರೋಬೋಟ್ - Raspberry Pi based Robotic Device for Women Safety", and is uniquely prepared by us after the completion of the project work. We also confirm that the report is only prepared for my academic requirement and the results embodied in this report have not been submitted to any other University or Institution for the award of any degree.

Signature of the Students


Keerthan H
1NH18IS048


Mala H R
1NH18IS057


Mohammed Faizan
1NH18IS062


Mohammed Ismail
1NH18IS063



NEW HORIZON COLLEGE OF ENGINEERING

“LOW COST ROBOTIC AGENT DESIGN FOR DISABLED AND COVID 19 AFFECTED PEOPLE”

PROJECT PHASE 2 REPORT

Submitted by

G PRANAY DEEPAK REDDY[1NH18IS036]

K VENKATESH[1NH18IS051]

J A TRIVEDH[1NH18IS043]

B S SAI PRAMATH[1NH18IS145]

Under the guidance of,

Dr. L Srinivasan

associate Professor, ISE, NHCE

In partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

IN

INFORMATION SCIENCE AND ENGINEERING

FOR

COURSE NAME: PROJECT PHASE 2

COURSE CODE: 20ISE78A



NEW HORIZON COLLEGE OF ENGINEERING

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DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

Certified that the project work entitled "LOW COST ROBOTIC AGENT DESIGN FOR DISABLED AND COVID 19 AFFECTED PEOPLE", carried out by MR. G.PRANAY DEEPAK REDDY (1NH18IS036) Mr.kvenkatesh(1NH18IS051) Mr.TrivedhJ.A(1NH18IS043) and BS.SAIPRAMATH (1NH18IS145) bonafide students of NEW HORIZON COLLEGE OF ENGINEERING, Bengaluru, is in partial fulfilment for the award of Bachelor of Engineering in Information Science and Engineering of the Visveswaraiah Technological University, Belgaum during the year 2021-22. 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.

Name & Signature of Guide

DR.L. SRINIVASAN

Name & Signature of HOD

DR.ANANDHI R J

Name & Signature of Principal

DR.MANJUNATHA

Examiners:

Name

1. Sang. M. Kuvakota

Signature

[Signature]

2.

.....



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

DECLARATION

We hereby declare that we have followed the guidelines provided by the Institution in preparing the project report and presented report of project titled "LOW COST ROBOTIC AGENT DESIGN FOR DISABLED AND COVID 19 AFFECTED PEOPLE", and is uniquely prepared by us after the completion of the project work. We also confirm that the report is only prepared for my academic requirement and the results embodied in this report have not been submitted to any other University or Institution for the award of any degree.

Signature of the Students

Name: G PRANAY

USN: 1NH18IS036

Name:
K.VENKATESH

USN: 1NH18IS051

Name: J.A.TRIVEDH

USN: 1NH18IS043

Name: SAI PRAMATH B.S

USN: 1NH18IS145



NEW HORIZON COLLEGE OF ENGINEERING

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

A PROJECT REPORT ON

"DYNAMIC ROUTE SCHEDULING FOR GARBAGE COLLECTION"

Submitted in the partial fulfilment of the requirements in the 8th semester of

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

By

**SHAIK NYAMATHULLA
1NH18IS101**

**GADDAM JAITHRA REDDY
1NH18IS130**

**CHINTHAPALLI RAMYA BHARGAVI
1NH18IS025**

**GUDA BHARGAVI
1NH18IS038**

Under the guidance of

Dr. Anandhi R J

HOD, Dept of ISE & Dean of Academics, NHCE

MRS. KARTHIYAYINI J

Sr. Assistant Professor, Dept. of ISE, NHCE

NEW HORIZON COLLEGE OF ENGINEERING

Outer ring road, Kadubeesanahalli, Near Marathahalli, Bengaluru-560103

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

Certified that the project work entitled Dynamic Route Scheduling For Garbage Collection carried out by Mr. SHAIK NYAMATHULLA, Ms. GADDAM JAITHRA REDDY and Ms. CHINTHAPALLI RAMYA BHARGAVI, Ms. GUDA BHARGAVI bearing USNs 1NH18IS101, 1NH18IS130, 1NH18IS025 and 1NH18IS038 respectively, bonafide students of 8th semester in partial fulfilment for the award of Bachelor of Engineering in Information Science & Engineering of the Visveswaraiah Technological University, Belagavi during the year 2021-22. It is certified that all corrections / suggestions indicated for Internal Assessment have been incorporated. The project report has been approved as it satisfies the academic requirements in respect of Project Phase 2 work prescribed for the said Degree.


Name & Signature of Guide

Mrs. Karthiyayini J

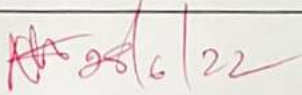

Name & Signature of HOD

Dr. Anandhi R J

Name & Signature of Principal

Dr. Manjunatha

Examiners:

NAME OF THE EXAMINER	SIGNATURE WITH DATE
1. Mamasa Reddy	
2.	



NEW HORIZON COLLEGE OF ENGINEERING

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

DECLARATION

We hereby declare that we have followed the guidelines provided by the Institution in preparing the project report and presented report of project titled "Dynamic Route Scheduling For Garbage Collection", and is uniquely prepared by us after the completion of the project work. We also confirm that the report is only prepared for my academic requirement and the results embodied in this report have not been submitted to any other University or Institution for the award of any degree.

Signature of the Students

NAME: SHAIK NYAMATHULLA	NAME: GADDAM JAITHRA REDDY	NAME: CHINTHAPALLI RAMYA BAHRGAVI	NAME: GUDA BHARGAVI
USN: 1NH18IS101	USN: 1NH18IS130	USN: 1NH18IS025	USN: 1NH18IS038

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

Jnana Sangama, Belagavi, Karnataka - 590014



A PROJECT REPORT

ON

**“ಆರೋಗ್ಯ ದಾಖಲೆಗಳ ಸುರಕ್ಷತೆ - HYBRID
CRYPTOGRAPHIC TECHNIQUE FOR SECURED
STORAGE OF HEALTH RECORDS”**

(SPONSORED BY KSCST)



Project report submitted in the partial fulfillment of the requirements
for the
award of the degree of

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

Submitted by

ANISHA HIREMATH	(1NH18IS009)
ANKITHA K D	(1NH18IS011)
ANUSHA K M	(1NH18IS015)
GONDRALA SAI SHARANYA	(1NH18IS035)

Under the guidance of
Mrs. M Shanmugam Shobha
Senior Assistant Professor



**NEW HORIZON COLLEGE OF ENGINEERING
DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING**

Bangalore-560103

2021-22



NEW HORIZON
COLLEGE OF ENGINEERING

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



TOP ENGINEERING COLLEGE OF INDIA as per
NATIONAL INSTITUTIONAL RANKING FRAMEWORK, 2018
Ministry of Human Resource Development, Government of India

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

Certified that the project work entitled "ಆರೋಗ್ಯ ದಾಖಲೆಗಳ ಸುರಕ್ಷತೆ - HYBRID CRYPTOGRAPHIC TECHNIQUE FOR SECURED STORAGE OF HEALTH RECORDS" carried out by Ms. Anisha Hiremath (1NH18IS009), Ms. Ankitha K D (1NH18IS011), Ms. Anusha K M (1NH18IS015), Ms. Gondrala Sai Sharanya (1NH18IS035), bonafide students of New Horizon College of Engineering, Bengaluru, is in partial fulfillment for the award of Bachelor of Engineering in Information Science and Engineering of the Visveswaraiah Technological University, Belgaum during the year 2021-22. 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.

Name & Signature of the
Guide

Mrs. M Shanmugam Shobha

Name & Signature of the
HOD

Dr. R.J Anandhi

Name & Signature of the
Principal

Dr. Manjunatha

External Viva:

Name of examiners

Signature

1. Sony M. Kuravan

2. Manasa KV



NEW HORIZON COLLEGE OF ENGINEERING

Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC
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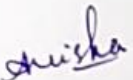
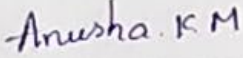
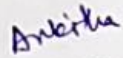
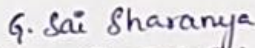
TOP ENGINEERING COLLEGE OF INDIA as per
NATIONAL INSTITUTIONAL RANKING FRAMEWORK, 2018
Ministry of Human Resource Development, Government of India

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

DECLARATION

We hereby declare that we have followed the guidelines provided by the Institution in preparing the project report and presented report of project titled "ಆರೋಗ್ಯ ದಾಖಲೆಗಳ ಸುರಕ್ಷತೆ - HYBRID CRYPTOGRAPHIC TECHNIQUE FOR SECURED STORAGE OF HEALTH RECORDS", and is uniquely prepared by us after the completion of the project work. We also confirm that the report is only prepared for our academic requirement and the results embodied in this report have not been submitted to any other University or Institution for the award of any degree.

Signature of the Students

			
Name: Anisha Hiremath	Name: Anusha K M	Name: Ankitha K D	Name: Gondrala Sai Sharanya
USN: 1NH18IS009	USN: 1NH18IS015	USN: 1NH18IS011	USN: 1NH18IS035



NEW HORIZON COLLEGE OF ENGINEERING

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DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

A PROJECT REPORT ON

"Crop Disease Analysis"

Submitted in the partial fulfillment of the requirements in the 8th semester of

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

By

SAVEEN CV	1NH18IS099
SATHMIKA R	1NH18IS098
SAKSHI ARYAL	1NH18IS092
V SRUJANA REDDY	1NH18IS121

Under the guidance of

Mrs.Vandana C P

Sr. Assistant Professor, Dept. of ISE, NHCE

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING
NEW HORIZON COLLEGE OF ENGINEERING

(Autonomous College Permanently Affiliated to VTU, Approved by AICTE, Accredited by
NBA & NAAC with 'A' Grade) Ring Road, Bellandur Post, Near Marathahalli, Bengaluru-
560103, India



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

Certified that the project work entitled "Crop Disease Analysis", carried out by Ms. Saveen CV (1NH18IS099), Ms. Sathmika RS (1NH18IS098), Ms. Sakshi Aryal (1NH18IS092), and Ms. V Srujana Reddy (1NH18IS121), bonafide students of NEW HORIZON COLLEGE OF ENGINEERING, Bengaluru, is in partial fulfillment for the award of Bachelor of Engineering in Information Science and Engineering of the Visveswaraiah Technological University, Belgaum during the year 2021-2022. 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.

Name & Signature of the Guide

Name & Signature of the HOD

Signature of the Principal

Mrs. Vandana

Dr. R J Anandhi

Dr. Manjunatha

External Viva

Name of the Examiners

Signature with Date

- Gautam K. Senapathy
- Ashwini R

KSE 28/06/22
Ash 28/06/22



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

DECLARATION

We hereby declare that we have followed the guidelines provided by the Institution in preparing the project report and presented report of project titled "CROP DISEASE ANALYSIS", and is uniquely prepared by us after the completion of the project work. We also confirm that the report is only prepared for my academic requirement and the results embodied in this report have not been submitted to any other University or Institution for the award of any degree.

Signature of the Students

Name: SAVEEN CV

USN: 1NH18IS099

Name: SATHMIKA R

USN: 1NH18IS098

Name: SAKSHI
ARYAL

USN: 1NH18IS092

Name: V SRUJANA
REDDY

USN: 1NH18IS121

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

Jnana Sangama, Belagavi, Karnataka - 590014



A PROJECT REPORT ON

**"ಗುಂಡಿಗಳ ಪತ್ತೆ ಹಚ್ಚುವಿಕೆ - (Enhancement) ANDROID BASED
APPLICATION TO DETECT POTHOLES AND UNEVEN ROADS"
(SPONSORED BY KSCST)**



Project report submitted in the partial fulfillment of the requirements for the
award of the degree of

BACHELOR OF ENGINEERING IN INFORMATION SCIENCE AND ENGINEERING

Submitted by

SILPA S

SONALI PREETHA NANDAGOPALAN

SHRIPRIYA J

(1NH18IS106)

(1NH18IS109)

(1NH18IS133)

Under the guidance of

Dr. R J Anandhi,

Dean Academics and HOD



NEW HORIZON COLLEGE OF ENGINEERING

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

Bangalore-560103

2021-22



NEW HORIZON COLLEGE OF ENGINEERING

AUTONOMOUS COLLEGE Permanently Affiliated to VTU, Approved by AICTE & UGC
Accredited by NAAC with 'A' Grade

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

DECLARATION

We hereby declare that we have followed the guidelines provided by the Institution in preparing the project report and presented report of project titled "ಗುಂಡಿಗಳ ಪತ್ತೆ ಹಚ್ಚುವಿಕೆ - (Enhancement) ANDROID BASED APPLICATION TO DETECT POTHoles AND UNEVEN ROADS", and is uniquely prepared by us after the completion of the project work. We also confirm that the report is only prepared for my academic requirement and the results embodied in this report have not been submitted to any other University or Institution for the award of any degree.

Signature of the Students

Name: Silpa S

USN: 1NH18IS106

Name: Sonali Preetha
Nandagopalan

USN: 1NH18IS109

Name: Shripriya J Rao

USN: 1NH18IS133

NEW HORIZON COLLEGE OF ENGINEERING


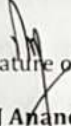
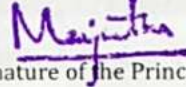
Outer ring road, Kadubeesanahalli, Near Marathahalli, Bengaluru-560103

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

Certified that the project work entitled "Survey on IoT Based Pothole Detection", carried out by **Ms. Silpa S** (1NH18IS106), **Ms. Sonali Preetha Nandagopalan** (1NH18IS109) and **Ms. Shripriya J Rao**(1NH18IS133), bonafide students of NEW HORIZON COLLEGE OF ENGINEERING, Bengaluru, is in partial fulfillment for the award of Bachelor of Engineering in Information Science and Engineering of the Visveswaraiah Technological University, Belgaum during the year 2021-22. 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.


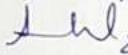
Name & Signature of the Guide	Name & Signature of the HOD	Signature of the Principal
 Dr. R J Anandhi	 Dr. R J Anandhi	 Dr. Manjunatha

External Viva

Name of the Examiners

- Gautam R Senapathy
- Ashwini. R

Signature with Date

 28/06/22
 28/06/22



**NEW HORIZON
COLLEGE OF ENGINEERING**

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

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

A PROJECT REPORT ON

**"IOT ENABLED PREDICTIONS FOR AIR QUALITY
MONITORING"**

Submitted in the partial fulfillment of the requirements in the 8th semester of

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

By

AISHWARYA KRISHNA BHAT

1NH18IS005

MAHIMA S HEBBAR

1NH18IS056

SINGUPURAM ATULYA

1NH18IS107

Under the guidance of

MRS. DIVYA K V

Sr. Assistant Professor, Dept. of ISE, NHCE

NEW HORIZON COLLEGE OF ENGINEERING

Outer ring road, Kadubeesanahalli, Near Marathahalli, Bengaluru-56010



NEW HORIZON COLLEGE OF ENGINEERING

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

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

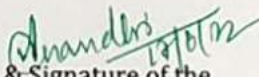
CERTIFICATE

Certified that the project work entitled "IoT enabled predictions for air quality monitoring", carried out by **Ms. Aishwarya Krishna Bhat** (1NH18IS005), **Ms. Mahima S Hebbar** (1NH18IS056) and **Ms. Singupuram Atulya** (1NH18IS107), bonafide students of NEW HORIZON COLLEGE OF ENGINEERING, Bengaluru, is in partial fulfillment for the award of Bachelor of Engineering in Information Science and Engineering of the Visveswararajah Technological University, Belgaum during the year 2021-22. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library.

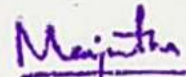
The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.


Name & Signature of the
Guide

Mrs. Divya K V


Name & Signature of the
HOD

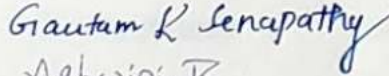
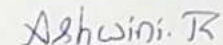
Dr. R J Anandhi


Signature of the Principal

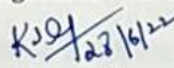
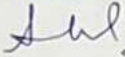
Dr. Manjunatha

External Viva

Name of the Examiners

1.  Gautam K Senapathy
2.  Ashwini R

Signature with Date

 K S O J / 28/06/22
 Ashwini R / 28/06/22



NEW HORIZON COLLEGE OF ENGINEERING

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

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

DECLARATION

We hereby declare that we have followed the guidelines provided by the Institution in preparing the project report and presented report of project titled "IoT enabled predictions for air quality monitoring", and is uniquely prepared by us after the completion of the project work. We also confirm that the report is only prepared for my academic requirement and the results embodied in this report have not been submitted to any other University or Institution for the award of any degree.

Signature of the Students

Name:

Aishwarya Krishna Bhat

USN: 1NH18IS005

Name:

Mahima S Hebbar

USN: 1NH18IS056

Name:

Singupuram Atulya

USN: 1NH18IS107

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

Jnana Sangama, Belagavi, Karnataka - 590014



A PROJECT REPORT
ON

“ಸೂರ ಶಕ್ತಿಯ ಗರಿಷ್ಠೀಕರಣ - OPTIMIZATION IN SOLAR ENERGY
HARVESTING”

(SPONSORED BY KSCST)



Project report submitted in the partial fulfillment of the requirements for the
award of the degree of

BACHELOR OF ENGINEERING
IN
INFORMATION SCIENCE AND ENGINEERING

Submitted by

KALYAN KUMAR N
MOUNIKA B
KAMINI YESESWINI
BISHAL SINGH

(1NH18IS045)
(1NH18IS065)
(1NH18IS046)
(1NH18IS021)

Under the guidance of

Dr. Gautam K S

Sr. Asst Professor



NEW HORIZON COLLEGE OF ENGINEERING

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

Bangalore-560103

2021-22



NEW HORIZON COLLEGE OF ENGINEERING

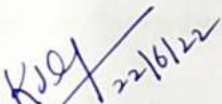
AUTONOMOUS COLLEGE Permanently Affiliated to VTU, Approved by AICTE & UGC
Accredited by NAAC with 'A' Grade

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

Certified that the project work entitled "ಸೌರ ಶಕ್ತಿಯ ಗರಿಷ್ಠೀಕರಣ - Optimization in Solar Energy Harvesting", carried out by **Mr. Kalyan Kumar N** (1NH18IS045), **Ms. Mounika B** (1NH18IS065), **Ms. Kamini Yeseswini** (1NH18IS046) and **Mr. Bishal Singh** (1NH18IS021) bonafide students of NEW HORIZON COLLEGE OF ENGINEERING, Bengaluru, is in partial fulfillment for the award of Bachelor of Engineering in Information Science and Engineering of the Visveswaraiah Technological University, Belgaum during the year 20-2021-22. 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.


Name & Signature of the
Guide

Dr. Gautam K S


Name & Signature of the
HOD


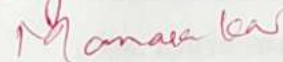
Dr. R J Anandhi


Signature of the Principal



Dr. Manjunatha

External Viva

Name of the Examiners

1. 
2. 

Signature with Date



NEW HORIZON COLLEGE OF ENGINEERING

AUTONOMOUS COLLEGE Permanently Affiliated to VTU, Approved by AICTE & UGC
Accredited by NAAC with 'A' Grade

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

DECLARATION

We hereby declare that we have followed the guidelines provided by the Institution in preparing the project report and presented report of project titled "ಸೌರ ಶಕ್ತಿಯಾ ಗರಿಷ್ಠೀಕರ - OPTIMIZATION IN SOLAR ENERGY HARVESTING", and is uniquely prepared by us after the completion of the project work. We also confirm that the report is only prepared for my academic requirement and the results embodied in this report have not been submitted to any other University or Institution for the award of any degree.

Signature of the Students

Kalyan Kumar N

Name: Kalyan Kumar N

USN: 1NH18IS045

Mounika B

Name: Mounika B

USN: 1NH18IS065

K. Yeseswini

Name: Kamini Yeseswini

USN: 1NH18IS046

Bishu

Name: Bishal Singh

USN: 1NH18IS021



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

A PROJECT REPORT ON

"Covid Assistive Spectacle for Visually Challenged"

Submitted in the partial fulfillment of the requirements in the 8th semester of

BACHELOR OF ENGINEERING
IN
INFORMATION SCIENCE AND ENGINEERING

By

JNANA P J	1NH18IS041
MONISHA C	1NH18IS064
PALLAVI V KULKARNI	1NH18IS073
SALONI K	1NH18IS093

Under the guidance of

DR. P. MANGAYARKARASI

Associate Professor, Dept. of ISE, NHCE

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING
NEW HORIZON COLLEGE OF ENGINEERING

(Autonomous College Permanently Affiliated to VTU, Approved by AICTE, Accredited by
NBA & NAAC with 'A' Grade) Ring Road, Bellandur Post, Near Marathahalli, Bengaluru-
560103, India



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

Certified that the project work entitled "**Covid Assistive Spectacle for Visually Challenged**", carried out by **Ms. Jnana P J** (1NH18IS041), **Ms. Monisha C** (1NH18IS064), **Ms. Pallavi V Kulkarni** (1NH18IS073), and **Ms. Saloni K** (1NH18IS093), bonafide students of NEW HORIZON COLLEGE OF ENGINEERING, Bengaluru, is in partial fulfillment for the award of Bachelor of Engineering in Information Science and Engineering of the Visveswaraiah Technological University, Belgaum during the year 2021-2022. 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.

Name & Signature of the Guide

Dr. P. Mangayarkarasi

Name & Signature of the HOD

Dr. R J Anandhi

Signature of the Principal

Dr. Manjunatha

External Viva

Name of the Examiners

1. **Manasa KV**

2.

Signature with Date



NEW HORIZON COLLEGE OF ENGINEERING

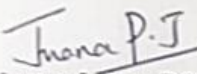
Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC
Accredited by NAAC with 'A' Grade. Accredited by NBA

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

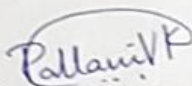
DECLARATION

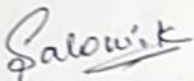
We hereby declare that we have followed the guidelines provided by the Institution in preparing the project report and presented report of project titled "Covid Assistive Spectacle for Visually Challenged", and is uniquely prepared by us after the completion of the project work. We also confirm that the report is only prepared for my academic requirement and the results embodied in this report have not been submitted to any other University or Institution for the award of any degree.

Signature of the Students


Name: Jnana P J


Name: Monisha C


Name: Pallavi V
Kulkarni


Name: Saloni K

USN: 1NH18IS041

USN: 1NH18IS064

USN: 1NH18IS073

USN: 1NH18IS093

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

Jnana Sangama, Belagavi, Karnataka – 590014



A PROJECT REPORT
ON

**“ಸುರಕ್ಷಿತ ಸ್ವರ್ಗ – SECURE HAVEN – AN ANTI-THEFT ANDROID
APPLICATION”
(SPONSORED BY KSCST)**



Project report submitted in the partial fulfillment of the requirements for the
award of the degree of

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

Submitted by

ATHARVA MALANDKAR	[1NH18IS017]
CHARAN KRISHNAMRTHY	[1NH18IS023]
IBRAHIM ANSAR	[1NH18IS040]
KEERTHAN MANJUNATH	[1NH18IS138]

Under the guidance of

Mrs. Lohitha Mallireddy,

Sr. Assistant Professor



NEW HORIZON COLLEGE OF ENGINEERING

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

Bangalore-560103

2021-2022



NEW HORIZON COLLEGE OF ENGINEERING

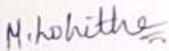
Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC
Accredited by NAAC with 'A' Grade, Accredited by NBA

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

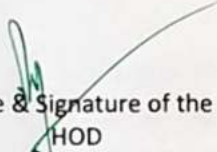
Certified that the project work entitled "ಸುರಕ್ಷಿತ ಸ್ವರ್ಗ - SECURE HAVEN - AN ANTI-THEFT ANDROID APPLICATION", carried out by Mr. Atharva Malandkar [1NH18IS017], Mr. Charan Krishnamurthy [1NH18IS023], Mr. Ibrahim Ansar [1NH18IS040] and Mr. Keerthan Manjunath [1NH18IS138], bonafide students of NEW HORIZON COLLEGE OF ENGINEERING, Bengaluru, is in partial fulfillment for the award of Bachelor of Engineering in Information Science and Engineering of the Visvesvaraya Technological University, Belagavi during the year 2021-22. 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.



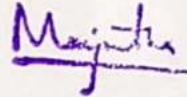
Name & Signature of the
Guide

Mrs. Lohitha Mallireddy



Name & Signature of the
HOD

Dr. R J Anandhi



Name & Signature of the
Principal

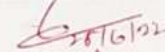
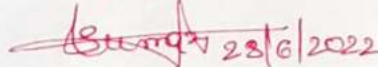
Dr. Manjunatha

External Viva

Name of the Examiners

1. D. L. SRINIVASAN
2. SUMA C. C

Signature with Date



NEW HORIZON COLLEGE OF ENGINEERING

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

DECLARATION

We hereby declare that we have followed the guidelines provided by the Institution in preparing the project report and presented report of project titled "ಸುರಕ್ಷಿತ ಸ್ವರ್ಗ - SECURE HAVEN - AN ANTI-THEFT ANDROID APPLICATION" is uniquely prepared by us after the completion of the project work. We also confirm that the report is only prepared for my academic requirement and the results embodied in this report have not been submitted to any other University or Institution for the award of any degree.

Signature of the Students

Atharva M

Name: Atharva M

USN: 1NH18IS017

Charan K

Name: Charan K

USN: 1NH18IS023

Ibrahim A

Name: Ibrahim A

USN: 1NH18IS040

Keerth M

Name: Keerthan M

USN: 1NH18IS138



NEW HORIZON
COLLEGE OF ENGINEERING

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TOP ENGINEERING COLLEGE OF INDIA as per
NATIONAL INSTITUTIONAL RANKING FRAMEWORK, 2018
Ministry of Human Resource Development, Government of India

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

A PROJECT REPORT

ON

"ML BASED SMART HEALTH INSURANCE SYSTEM"

Submitted in the partial fulfillment of the requirements in the 8th semester of

BACHELOR OF ENGINEERING
IN
INFORMATION SCIENCE AND ENGINEERING

BY

SANCHITHA BS (1NH18IS095)
SHARANYA G (1NH18IS102)
SANJANA HOMBAL (1NH18IS134)
SHREYA L (1NH18IS139)

Under the guidance of

MRS.SHRUTHI GR,

Assistant Professor,
Dept. of ISE, NHCE

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

NEW HORIZON COLLEGE OF ENGINEERING

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

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



NEW HORIZON COLLEGE OF ENGINEERING

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TOP ENGINEERING COLLEGE OF INDIA as per
NATIONAL INSTITUTIONAL RANKING FRAMEWORK, 2018
Ministry of Human Resource Development, Government of India

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

Certified that the project work entitled "ML BASED SMART HEALTH INSURANCE SYSTEM", carried out by **Ms. Sanchitha BS** (1NH18IS095), **Ms. Sharanya G** (1NH18IS102), **Ms. Sanjana Hombal** (1NH18IS134) and **Ms. Shreya L** (1NH18IS139), bonafide students of NEW HORIZON COLLEGE OF ENGINEERING, Bengaluru, is in partial fulfillment for the award of Bachelor of Engineering in Information Science and Engineering of the Visveswararaiiah Technological University, Belgaum during the year 2020-21. 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.

Name & Signature of the
Guide
Mrs. Shruthi GR

Name & Signature of the
HoD
Dr. RJ Anandhi

Name & Signature of the
Principal
Dr. Manjunatha

External Viva

Name of the Examiners

1. **DR. L. SRINIVASAN**
2. **SUMA C.C**

Signature with Date



NEW HORIZON COLLEGE OF ENGINEERING

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

DECLARATION

We hereby declare that we have followed the guidelines provided by the Institution in preparing the project report and presented report of project titled "ML Based Smart Health Insurance System", and is uniquely prepared by us after the completion of the project work. We also confirm that the Report is only prepared for our academic requirement and the results embodied in this report have not been submitted to any other University or Institution for the award of any degree.

Signature of the Students

Name: Sanchitha BS

USN: 1NH18IS095

Name: Sharanya G

USN: 1NH18IS102

Name: Sanjana Hombal

USN: 1NH18IS134

Name: Shreya L

USN: 1NH18IS139

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

Jnana Sangama, Belagavi, Karnataka - 590014



A PROJECT REPORT
ON

"BLIND EYE COMPANION"

Project report submitted in the partial fulfillment of the requirements for the
award of the degree of

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

Submitted by

HARSHITHA R

(1NH18IS039)

VISMAYE M

(1NH18IS126)

KEERTHISHREE V

(1NH18IS135)

PRADEEPTHI KOLLI

(1NH18IS050)

Under the guidance of

Suvika K V,

Asst. Professor



NEW HORIZON COLLEGE OF ENGINEERING

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

Bangalore-560103

2021-22



NEW HORIZON COLLEGE OF ENGINEERING

AUTONOMOUS COLLEGE Permanently Affiliated to VTU, Approved by AICTE & UGC
Accredited by NAAC with 'A' Grade


DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

Certified that the project work entitled "BLIND EYE COMPANION", carried out by **Ms. Harshitha R** (1NH18IS039), **Ms. Vismaye M** (1NH18IS126), **Ms. Keerthishree V** (1NH18IS135) and **Ms. Pradeepthi Kolli** (1NH18IS050) bonafide students of NEW HORIZON COLLEGE OF ENGINEERING, Bengaluru, is in partial fulfilment for the award of Bachelor of Engineering in Information Science and Engineering of the Visveswaraiah Technological University, Belgaum during the year 2021-22. 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.


Name & Signature of the
Guide

Prof. Suvika K V


Name & Signature of the
HOD

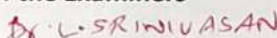
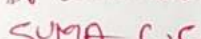
Dr. R J Anandhi


Signature of the Principal

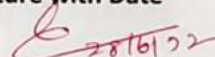
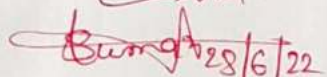
Dr. Manjunatha

External Viva

Name of the Examiners

1.  DR. L. SRINIVASAN
2.  SUMA C.C

Signature with Date



NEW HORIZON COLLEGE OF ENGINEERING

AUTONOMOUS COLLEGE Permanently Affiliated to VTU, Approved by AICTE & UGC
Accredited by NAAC with 'A' Grade

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

DECLARATION

We hereby declare that we have followed the guidelines provided by the Institution in preparing the project report and presented report of project titled "BLIND EYE COMPANION", and is uniquely prepared by us after the completion of the project work. We also confirm that the report is only prepared for my academic requirement and the results embodied in this report have not been submitted to any other University or Institution for the award of any degree.

Signature of the Students

Name: Harshitha R

(1NH18IS039)

Name: Vismaye M

(1NH18IS126)

Name: Keerthishree V

(1NH18IS135)

Name: Pradeepthi Kolli

(1NH18IS050)



**NEW HORIZON
COLLEGE OF ENGINEERING**

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



TOP ENGINEERING COLLEGE OF INDIA as per
NATIONAL INSTITUTIONAL RANKING FRAMEWORK, 2018
Ministry of Human Resource Development, Government of India

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

A PROJECT REPORT

ON

**"Secured EYEPAY- An E-payment Application for Visually
impaired people"**

Submitted in the partial fulfillment of the requirements in the 8th semester of

BACHELOR OF ENGINEERING

IN

INFORMATION SCIENCE AND ENGINEERING

BY

ABHIRAM R (1NH18IS002)

ABHISHEK V RAI (1NH18IS003)

AMOGH V PAI (1NH18IS007)

LIKHITH R (1NH18IS053)

Under the guidance of

Mrs. Latha S S,

Sr. Assistant Professor,
Dept. of ISE, NHCE

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

NEW HORIZON COLLEGE OF ENGINEERING

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

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



NEW HORIZON COLLEGE OF ENGINEERING

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



TOP ENGINEERING COLLEGE OF INDIA as per

NATIONAL INSTITUTIONAL RANKING FRAMEWORK, 2018
Ministry of Human Resource Development, Government of India

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

Certified that the project work entitled "Secured EYEPAY- An E-payment application for Visually impaired people", carried out by **Mr. Abhiram R** (1NH18IS002), **Mr. Abhishek V Rai** (1NH18IS003), **Mr. Amogh V Pai** (1NH18IS007) and **Mr. Likhith R** (1NH18IS053), bonafide students of NEW HORIZON COLLEGE OF ENGINEERING, Bengaluru, is in partial fulfillment for the award of Bachelor of Engineering in Information Science and Engineering of the Visveswaraiah Technological University, Belgaum during the year 2021-22. 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.

Name & Signature of the
Guide

Mrs. Latha S S

Name & Signature of the
HOD

Dr. R J Anandhi

Name & Signature of the
Principal

Dr. Manjunatha

External Viva

Name of the Examiners

Signature with Date

1. **Dr. L. SEENIVASAN**

28/6/22

2. **SUMA C.C**

28/6/22



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

DECLARATION

We hereby declare that we have followed the guidelines provided by the Institution in preparing the project report and presented report of project titled "Secured EYEPAY- An E-payment Application for Visually impaired people", and is uniquely prepared by us after the completion of the project work. We also confirm that the report is only prepared for our academic requirement and the results embodied in this report have not been submitted to any other University or Institution for the award of any degree.

Signature of the Students

Name: Abhiram R

Name: Abhishek V Rai

Name: Amogh V Pai

Name: Likhith R

USN: 1NH18IS002

USN: 1NH18IS003

USN: 1NH18IS007

USN: 1NH18IS053

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

Jnana Sangama, Belagavi, Karnataka - 590014



A PROJECT REPORT ON

“ಶ್ರೀಗಂಧ ಮರದ ರಕ್ಷಣೆ ಮತ್ತು ಕೃಷಿ – (Enhancement) IOT BASED SYSTEM FOR
SANDALWOOD TREES PROTECTION AND CULTIVATION”
(SPONSORED BY KSCST)



Project report submitted in the partial fulfillment of the requirements for the
award of the degree of

BACHELOR OF ENGINEERING IN INFORMATION SCIENCE AND ENGINEERING

Submitted by

VIROCHAN A C
KARTHIK G R
VIGNESH K S
Y NANDU SAI

(1NH18IS125)
(1NH18IS131)
(1NH18IS123)
(1NH18IS127)

Under the guidance of
Prof. Anusha Shettar,
Assistant Professor



NEW HORIZON COLLEGE OF ENGINEERING

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

Bangalore-560103

2021-22



NEW HORIZON COLLEGE OF ENGINEERING

AUTONOMOUS COLLEGE Permanently Affiliated to VTU, Approved by AICTE & UGC
Accredited by NAAC with 'A' Grade

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

Certified that the project work entitled "ಶ್ರೀಗಂಧ ಮರದ ರಕ್ಷಣೆ ಮತ್ತು ಕೃಷಿ - (Enhancement) IOT Based System for Sandalwood Trees Protection and Cultivation.", carried out by Mr. Virochan A C (1NH18IS125), Mr. Karthik G R (1NH18IS131) and Mr. Vignesh K S (1NH18IS123), Y Nandusai (1NH18IS127) bonafide students of NEW HORIZON COLLEGE OF ENGINEERING, Bengaluru, is in partial fulfillment for the award of Bachelor of Engineering in Information Science and Engineering of the Visveswaraiah Technological University, Belgaum during the year 2021-22. 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.

Name & Signature of the Guide

Mrs. Anusha Shettar

Name & Signature of the HOD

Dr. R J Anandhi

Signature of the Principal

Dr. Manjunatha

External Viva

Name of the Examiners

1. DR. L. SRINIVASAIAH
2. SUMA C.C

Signature with Date

28/6/22

28/6/22



NEW HORIZON COLLEGE OF ENGINEERING

AUTONOMOUS COLLEGE Permanently Affiliated to VTU, Approved by AICTE & UGC
Accredited by NAAC with 'A' Grade

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

DECLARATION

We hereby declare that we have followed the guidelines provided by the Institution in preparing the project report and presented report of project titled "ಶ್ರೀಗಂಧ ಮರದ ರಕ್ಷಣೆ ಮತ್ತು ಕೃಷಿ - (Enhanced) IOT Based System for Sandalwood Trees Protection and Cultivation" ., and is uniquely prepared by us after the completion of the project work. We also confirm that the report is only prepared for my academic requirement and the results embodied in this report have not been submitted to any other University or Institution for the award of any degree.

Signature of the Students

Name: Virochan A C

USN: 1NH18IS125

Name: Karthik G R

USN: 1NH18IS131

Name: Vignesh KS

USN: 1NH18IS123

Name: Y Nandusai

USN: 1NH18IS127



NEW HORIZON
COLLEGE OF ENGINEERING
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TOP ENGINEERING COLLEGE OF INDIA as per
NATIONAL INSTITUTIONAL RANKING FRAMEWORK, 2018
Ministry of Human Resource Development, Government of India

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

A PROJECT REPORT

ON

"ML based Password Strength Analysis"

Submitted in the partial fulfillment of the requirements in the 8th semester of

BACHELOR OF ENGINEERING

IN

INFORMATION SCIENCE AND ENGINEERING

BY

G KRISHNA TEJA - [1NH18IS033]

A HARSHEL SRIVATSAVA - [1NH18IS001]

DUGGI SRAVAN - [1NH18IS032]

JONNALAGADDA VENKAT - [1NH18IS042]

Under the guidance of

Mrs. Sony Kuriakose

Assistant Professor,
Dept. of ISE, NHCE

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

NEW HORIZON COLLEGE OF ENGINEERING

(Autonomous College Permanently Affiliated to VTU, Approved by AICTE, Accredited by
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Ring Road, Bellandur Post, Near Marathalli,
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TOP

ENGINEERING COLLEGE OF INDIA as per



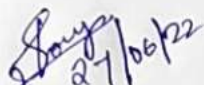
NATIONAL INSTITUTIONAL RANKING FRAMEWORK, 2018

Ministry of Human Resource Development, Government of India

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

Certified that the project work entitled "MACHINE LEARNING BASED PASSWORD STRENGTH ANALYSIS ON A WEB APPLICATION", carried out by **Mr. G KRISHNA TEJA** (1NH18IS033), **Mr. A HARSHEL SRIVATSAVA** (1NH18IS001), **Mr. SRAVAN DUGGI** (1NH18IS032) and **Mr. VENKAT JONNALAGADDA** (1NH18IS042), bonafide students of NEW HORIZON COLLEGE OF ENGINEERING, Bengaluru, is in partial fulfillment for the award of Bachelor of Engineering in Information Science and Engineering of the Visveswaraiah Technological University, Belgaum during the year 2019-20. 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.


27/06/22

Name & Signature of the
Guide

Mrs. Sony Kuriakose



Name & Signature of the
HoD

Dr. R J Anandhi



Name & Signature of the
Principal

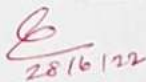
Dr. Manjunatha

External Viva

Name of the Examiners

Signature with Date

1. **Dr. L. SRINIVASAN**


28/6/22

2. **SUMA C. C**


28/6/22



NEW HORIZON COLLEGE OF ENGINEERING

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DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

DECLARATION

We hereby declare that we have followed the guidelines provided by the Institution in preparing the project report and presented report of project titled "MACHINE LEARNING BASED PASSWORD STRENGTH ANALYSIS ON A WEB APPLICATION", and is uniquely prepared by us after the completion of the project work. We also confirm that the report is only prepared for my academic requirement and the results embodied in this report have not been submitted to any other University or Institution for the award of any degree.

Signature of the Students

Name: G KRISHNA TEJA

USN: 1NH18IS033

Name: A HARSHEL

USN: 1NH18IS001

Name: VENKAT J

USN: 1NH18IS042

Name: SRAVAN DUGGI

USN: 1NH18IS032

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

Jnana Sangama, Belagavi, Karnataka - 590014



A PROJECT REPORT ON

“ಇ-ಟ್ರಾಫಿಕ್ ಪೊಲೀಸ್ ಐಒಟಿ ಆಧಾರಿತ ಸಂಚಾರ ಉಲ್ಲಂಘನೆ
ನಿಯಮದ ಸ್ವಯಂ ಪತ್ತೆ - E-traffic police iot based auto detection of
traffic violation rule”

(SPONSORED BY KSCST)



Project report submitted in the partial fulfillment of the requirements for the
award of the degree of

BACHELOR OF ENGINEERING IN INFORMATION SCIENCE AND ENGINEERING

Submitted by

B ARAVIND KUMAR

(1NH18IS022)

B SREE HARSHA

(1NH18IS020)

G SAI MANI KUMAR

(1NH18IS034)

M VINAY KUMAR REDDY

(1NH18IS054)

Under the guidance of

Mrs. PRIYA N

Assistant Professor



NEW HORIZON COLLEGE OF ENGINEERING

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

Bangalore-560103

2021-22



NEW HORIZON COLLEGE OF ENGINEERING

AUTONOMOUS COLLEGE Permanently Affiliated to VTU, Approved by AICTE & UGC
Accredited by NAAC with 'A' Grade

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

Certified that the project work entitled "ಇ-ಟ್ರಾಫಿಕ್ ಪೊಲೀಸ್ ಐಒಟಿ ಆಧಾರಿತ ಸಂಚಾರ ಉಲ್ಲಂಘನೆ ನಿಯಮದ ಸ್ವಯಂ ಪತ್ತೆ - E-traffic police iot based auto detection of traffic violation rule", carried out by **Mr.B Aravind Kumar** (1NH18IS022), **Mr. B Sree Harsha**(1NH18IS020), **Mr. G Sai Mani Kumar**(1NH18IS034) and **Mr. M Vinay Kumar reddy** (1NH18IS054) bonafide students of NEW HORIZON COLLEGE OF ENGINEERING, Bengaluru, is in partial fulfillment for the award of Bachelor of Engineering in Information Science and Engineering of the Visveswaraiah Technological University, Belgaum during the year 20-2021-22. 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.

Name & Signature of the
Guide

Mrs. Priya N

Name & Signature of the
HOD

Dr. R J Anandhi

Signature of the Principal

**Dr. Manjunatha
Principal**

External Viva

Name of the Examiners

1. **Dr. L. Srinivasan**
2. **SUMA C.C**

Signature with Date

28/6/22

New Horizon College of Engineering

Ring Road, Bellandur Post,
Bangalore - 560 103



NEW HORIZON COLLEGE OF ENGINEERING

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Accredited by NAAC with 'A' Grade

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

DECLARATION

We hereby declare that we have followed the guidelines provided by the Institution in preparing the project report and presented report of project titled "ಇ-ಟ್ರಾಫಿಕ್ ಪೊಲೀಸ್ ಐಒಟಿ ಆಧಾರಿತ ಸಂಚಾರ ಉಲ್ಲಂಘನೆ ನಿಯಮದ ಸ್ವಯಂ ಪತ್ತೆ - E-traffic police iot based auto detection of traffic violation rule", and is uniquely prepared by us after the completion of the project work. We also confirm that the report is only prepared for my academic requirement and the results embodied in this report have not been submitted to any other University or Institution for the award of any degree.

Signature of the Students

B. Aravind Kumar

B. Sree Harsha

G. Sai Mani Kumar

M. Vinay Kumar Reddy

Name: B Aravind Kumar
Kumar

Name: B Sree Harsha

Name: G Sai Mani
Kumar

Name: M vinay
Kumar reddy

USN:1NH18IS022

USN:1NH18IS020

USN:1NH18IS034

USN:1NH18IS054



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

A PROJECT REPORT ON

**"IOT BASED FIRE ALARM NOTIFICATION AND
EXTINGUISHER SYSTEM USING ARDUINO UNO"**

Submitted in the partial fulfillment of the requirements in the 8th semester of

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

By

MADDURI SANKETH

1NH18IS055

VASANTH S

1NH18IS088

P SIVA SAI SRIVEER

1NH18IS074

KURAKU VINOD

1NH18IS146

Under the guidance of

DR. K SARAVANAN

Professor, Dept. of ISE, NHCE

NEW HORIZON COLLEGE OF ENGINEERING

Outer ring road, Kadubeesanahalli, Near Marathahalli, Bengaluru-560103



NEW HORIZON COLLEGE OF ENGINEERING

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

CERTIFICATE

Certified that the project work entitled "IOT BASED FIRE ALARM NOTIFICATION AND EXTINGUISHER SYSTEM USING ARDUINO UNO", carried out by **Mr. MADDURI SANKETH** (1NH18IS055), **Mr. VASANTH S** (1NH18IS088), **Mr. PALUVARA MARUTHI SIVA SAI SRIVEER** (1NH18IS074), **Mr. KURAKU VINOD** (1NH18IS146) bonafide students of NEW HORIZON COLLEGE OF ENGINEERING, Bengaluru, is in partial fulfillment for the award of Bachelor of Engineering in Information Science and Engineering of the Visveswaraya Technological University, Belgaum during the year 2021-22. 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.

Name & Signature of the Guide

Dr. K Saravanan

Name & Signature of the HOD

Dr. R J Anandhi

Signature of the Principal

Dr. Manjunatha

External Viva

Name of the Examiners

Signature with Date

1. **Dr. L. Srinivasan**

2. **SUMA C.C**



NEW HORIZON COLLEGE OF ENGINEERING

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

DECLARATION

We hereby declare that we have followed the guidelines provided by the Institution in preparing the project report and presented report of project titled "IOT BASED FIRE ALARM NOTIFICATION AND EXTINGUISHER SYSTEM USING ARDUINO UNO", and is uniquely prepared by us after the completion of the project work. We also confirm that the report is only prepared for my academic requirement and the results embodied in this report have not been submitted to any other University or Institution for the award of any degree.

Signature of the Students

MADDURI SANKETH

VASANTH S

P SRIVEER

KURAKU VINOD

1NH18IS055

1NH18IS088

1NH18IS074

1NH18IS146

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

Jnana Sangama, Belagavi, Karnataka - 590014



A PROJECT REPORT
ON

“ಇ-ಸಹಾಯಕ – E-Assistant: Support for Elderly/Parkinson Patients”

(SPONSORED BY KSCST)



Project report submitted in the partial fulfillment of the requirements for the award of the degree of

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

Submitted by

Ritom Tamuli

(1NH18IS086)

Ayush Sinha

(1NH18IS019)

Srutibanta Samantara

(1NH18IS112)

Under the guidance of
Dr. Arvind S. Kapse,
Professor



NEW HORIZON COLLEGE OF ENGINEERING
DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

Bangalore-560103

2021-22



NEW HORIZON COLLEGE OF ENGINEERING

AUTONOMOUS COLLEGE Permanently Affiliated to VTU, Approved by AICTE & UGC
Accredited by NAAC with 'A' Grade

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

Certified that the project work entitled "ಇ-ಸಹಾಯಕ - E-ASSISTANT: SUPPORT FOR ELDERLY/PARKINSON PATIENTS", carried out by Mr. Ritom Tamuli (1NH18IS086), Mr. Ayush Sinha (1NH18IS019) and Mr. Srutibanta Samantara (1NH18IS112) bonafide students of NEW HORIZON COLLEGE OF ENGINEERING, Bengaluru, is in partial fulfillment for the award of Bachelor of Engineering in Information Science and Engineering of the Visveswaraiah Technological University, Belgaum during the year 2021-22. 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.

Name & Signature of the
Guide

Dr. Arvind S. Kapse

Name & Signature of the
HoD

Dr. R J Anandhi

Name & Signature of the
Principal

Dr. Manjunatha

External Viva

Name of the Examiners

- Gautam K Senapaty
- Ashwini TR

Signature with Date

28/6/22
 28/6/22



NEW HORIZON COLLEGE OF ENGINEERING

AUTONOMOUS COLLEGE Permanently Affiliated to VTU, Approved by AICTE & UGC
Accredited by NAAC with 'A' Grade

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

DECLARATION

We hereby declare that we have followed the guidelines provided by the Institution in preparing the project report and presented report of project titled "ಇ-ಸಹಾಯಕ - E-Assistant: Support for Elderly/Parkinson Patients", and is uniquely prepared by us after the completion of the project work. We also confirm that the report is only prepared for our academic requirement and the results embodied in this report have not been submitted to any other University or Institution for the award of any degree.

Signature of the Students

Name: Ritom Tamuli

USN: 1NH18IS086

Name: Ayush Sinha

USN: 1NH18IS019

Name: Srutibanta Samantara

USN: 1NH18IS112



**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

A PROJECT REPORT ON

**"SECUROPOINT FOR THE APPLICATION OF MALWARE
DETECTION IN ANDROID APPS"**

Submitted in the partial fulfillment of the requirements in the 8th semester of

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

By

CHRISSEL FERNANDES

1NH18IS026

PRAJWAL P

1NH18IS077

PRAVEEN HEGDE

1NH19IS405

VINAY HEGDE

1NH18IS124

Under the guidance of

Dr. Kalaivani D,

Associate Professor,

Dept. of ISE, NHCE

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

NEW HORIZON COLLEGE OF ENGINEERING

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

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



NEW HORIZON COLLEGE OF ENGINEERING

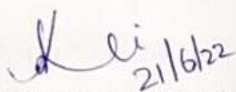
Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC
Accredited by NAAC with 'A' Grade, Accredited by NBA

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

Certified that the project work entitled "**Securopoint for the application of malware detection in android apps**", carried out by **Mr. Chrisel Fernandes** (1NH18IS026), **Mr. Prajwal P** (1NH18IS077), **Mr. Praveen Hegde** (1NH19IS405) and **Mr. Vinay Hegde** (1NH18IS124), bonafide students of NEW HORIZON COLLEGE OF ENGINEERING, Bengaluru, is in partial fulfillment for the award of Bachelor of Engineering in Information Science and Engineering of the Visveswaraiah Technological University, Belgaum during the year 2021-22. 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.


21/6/22

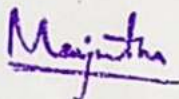
Name & Signature of the Guide

Dr. Kalaivani D



Name & Signature of the HOD

Dr. R J Anandhi

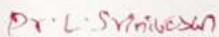
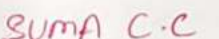


Signature of the Principal

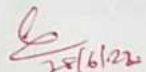
Dr. Manjunatha

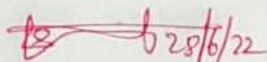
External Viva

Name of the Examiners

1.  Dr. L. Srinivasan
2.  SUMA C.C

Signature with Date


28/6/22


28/6/22



NEW HORIZON COLLEGE OF ENGINEERING

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
DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

DECLARATION


We hereby declare that we have followed the guidelines provided by the Institution in preparing the project report and presented report of project titled "Securopoint for the application of malware detection in android apps", and is uniquely prepared by us after the completion of the project work. We also confirm that the report is only prepared for my academic requirement and the results embodied in this report have not been submitted to any other University or Institution for the award of any degree

Signature of the Students


Chrisel Fernandes


Prajwal P


Praveen Hegde


Vinay Hegde

USN: 1NH18IS026

USN:1NH18IS077

USN: 1NH19IS405

USN:1NH18IS124

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

Jnana Sangama, Belagavi, Karnataka - 590014



**A PROJECT REPORT
ON**

**“ ENHANCED ANDROID APPLICATION FOR EFFECTIVE E-WASTE
MANAGEMENT”**

(SPONSORED BY KSCST)



Project report submitted in the partial fulfillment of the requirements for the
award of the degree of

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

Submitted by

SHUBHODEEP SARKAR	(1NH18IS104)
MANAN AGRAWAL	(1NH18IS059)
MD ASIF KAMAL QUADRI	(1NH18IS061)
DHRUV GULATI	(1NH18IS031)

Under the guidance of
Dr Srinivasan L
Associate Professor, Dept. of ISE, NHCE,



NEW HORIZON COLLEGE OF ENGINEERING
DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

Bangalore-560103

2021-22



NEW HORIZON COLLEGE OF ENGINEERING

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



TOP ENGINEERING COLLEGE OF INDIA as per
NATIONAL INSTITUTIONAL RANKING FRAMEWORK, 2018
Ministry of Human Resource Development, Government of India

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

Certified that the project work entitled "Enhanced Android Application For Effective E-Waste Management", carried out by **Mr. SHUBHODEEP SARKAR (1NH18IS104)**, **Mr. MANAN AGARWAL (1NH18IS059)**, **MD ASIF KAMAL QUADRI (1NH18IS061)** and **Mr. DHRUV GULATI (1NH18IS031)**, bonafide students of NEW HORIZON COLLEGE OF ENGINEERING, Bengaluru, is in partial fulfillment for the award of Bachelor of Engineering in Information Science and Engineering of the Visveswaraiah Technological University, Belgaum during the year 2021-22. 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.

Name & Signature of the
Guide

Dr Srinivasan L

Name & Signature of the
HoD

Dr. R J Anandhi

Name & Signature of the
Principal

Dr. Manjunatha

External Viva

Name of the Examiners

Signature with Date

1.

2.



**NEW HORIZON
COLLEGE OF ENGINEERING**

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



TOP ENGINEERING COLLEGE OF INDIA as per
NATIONAL INSTITUTIONAL RANKING FRAMEWORK, 2018
Ministry of Human Resource Development, Government of India

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

DECLARATION

We hereby declare that we have followed the guidelines provided by the Institution in preparing the project report and presented report of project titled "ENHANCED ANDROID APPLICATION FOR EFFECTIVE E-WASTE MANAGEMENT", and is uniquely prepared by us after the completion of the project work. We also confirm that the report is only prepared for our academic requirement and the results embodied in this report have not been submitted to any other University or Institution for the award of any degree.

Signature of the Students

Name: Shubhdeep
Sarkar

Name: Manan
Agrawal

Name: MD Asif Kamal
Quadri

Name: Dhruv
Gulati

USN: 1NH18IS104

USN: 1NH18IS059

USN: 1NH18IS061

USN: 1NH18IS031



**NEW HORIZON
COLLEGE OF ENGINEERING**
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TOP ENGINEERING COLLEGE OF INDIA, as per
NATIONAL INSTITUTIONAL RANKING FRAMEWORK, 2018
Ministry of Human Resource Development, Government of India

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

A PROJECT REPORT ON

**"MICROPYTHON POWERED SMART STREET LIGHT USING
IOT"**

Submitted in the partial fulfillment of the requirements in the 8th semester of

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

By

**K RESHMA (1NH18IS137)
REEM FATIMA AZEEZ (1NH18IS084)
RIA CAROL MOHAN (1NH18IS085)**

Under the guidance of

MRS. BASWARAJU SWATHI

Sr. Assistant Professor, Dept. of ISE, NHCE

**DEPARTMENT OF INFORMATION SCIENCE AND
ENGINEERING**

NEW HORIZON COLLEGE OF ENGINEERING

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

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



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



TOP ENGINEERING COLLEGE OF INDIA as per
NATIONAL INSTITUTIONAL RANKING FRAMEWORK, 2018
Ministry of Human Resource Development, Government of India

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

Certified that the project work entitled "**MicroPython Powered Smart Street Light using IOT**", carried out by **Ms. K Reshma** (1NH18IS137), **Ms. Reem Fatima Azeez** (1NH18IS084) and **Ms. Ria Carol Mohan** (1NH18IS085), bonafide students of NEW HORIZON COLLEGE OF ENGINEERING, Bengaluru, is in partial fulfillment for the award of Bachelor of Engineering in Information Science and Engineering of the Visveswaraiah Technological University, Belgaum during the year 2021-22. 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.

Name & Signature of the Guide

Mrs. Baswaraju Swathi

Name & Signature of the HOD

Dr. R J Anandhi

Signature of the Principal

Dr. Manjunatha

External Viva

Name of the Examiners

Signature with Date

- 1.
- 2.



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



TOP ENGINEERING COLLEGE OF INDIA as per
NATIONAL INSTITUTIONAL RANKING FRAMEWORK, 2018
Ministry of Human Resource Development, Government of India

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

DECLARATION

We hereby declare that we have followed the guidelines provided by the Institution in preparing the project report and presented report of project titled "MicroPython Powered Smart Street Light using IOT", and is uniquely prepared by us after the completion of the project work. We also confirm that the report is only prepared for my academic requirement and the results embodied in this report have not been submitted to any other University or Institution for the award of any degree.

Signature of the Students

Name: K Reshma

Name: Reem Fatima

Name: Ria Carol Mohan

USN: 1NH18IS137

USN: 1NH18IS084

USN: 1NH18IS085



NEW HORIZON COLLEGE OF ENGINEERING

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

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

A PROJECT REPORT

ON

"E-FARMING: TECHNOLOGY ENABLED FARMING"

Submitted in the partial fulfillment of the requirements in the 8th semester of

BACHELOR OF ENGINEERING

IN

INFORMATION SCIENCE AND ENGINEERING

BY

R H SHRAVYA	(1NH18IS081)
SANGEETHA D	(1NH18IS096)
SOUNDHAARYHA B S	(1NH18IS110)
SUCHALA K L	(1NH19IS409)

Under the guidance of

Mrs. M Shanmugam Shobha

Sr. Assistant Professor,
Dept. of ISE, NHCE

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

NEW HORIZON COLLEGE OF ENGINEERING

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

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



NEW HORIZON COLLEGE OF ENGINEERING

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

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

Certified that the project work entitled "E-FARMING: TECHNOLOGY ENABLED FARMING", carried out by Ms. R H Shravya (1NH18IS081), Ms. Sangeetha D (1NH18IS096), Ms. Soundhaarya B S (1NH18IS110) and Ms. Suchala K L (1NH19IS409), bonafide students of NEW HORIZON COLLEGE OF ENGINEERING, Bengaluru, is in partial fulfillment for the award of Bachelor of Engineering in Information Science and Engineering of the Visveswaraiah Technological University, Belgaum during the year 2021-22. 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.

Name & Signature of the
Guide

Mrs. M Shanmugam Shobha

Name & Signature of the
HoD

Dr. R J Anandhi

Name & Signature of the
Principal

Dr. Manjunatha

External Viva

Name of the Examiners

1. Rama Das
2. Dr. Kunal Raja DR

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

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

DECLARATION

We hereby declare that we have followed the guidelines provided by the Institution in preparing the project report and presented report of project titled "E-FARMING: TECHNOLOGY ENABLED FARMING", and is uniquely prepared by us after the completion of the project work. We also confirm that the report is only prepared for our academic requirement and the results embodied in this report have not been submitted to any other University or Institution for the award of any degree.

Signature of the Students

Name: R H Shravya

Name: Sangeetha D

Name: Soundhaaryha B S

Name: Suchala K L

USN: 1NH18IS081

USN: 1NH18IS096

USN: 1NH18IS110

USN: 1NH19IS409



**NEW HORIZON
COLLEGE OF ENGINEERING**

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DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

A PROJECT REPORT ON

"IoT BASED FARM FRESHNESS MOBILE APPLICATION"

Submitted in the partial fulfillment of the requirements in the 8th semester of

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

By

POOJA T [1NH18IS076]

PUNITH KUMAR S [1NH18IS079]

SHANKAR Y [1NH18IS136]

GOWTHAM V [1NH18IS037]

Under the guidance of

MRS. BASWARAJU SWATHI

Sr. Assistant Professor, Dept. of ISE, NHCE



NEW HORIZON COLLEGE OF ENGINEERING

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

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

Certified that the project work entitled "IOT Based Farm Freshness Mobile Application", carried out by **Ms. Pooja T**(1NH18IS076), **Mr. Punith Kumar S** (1NH18IS079) and **Mr. Shankar Y** (1NH18IS136), **Mr. Gowtham** (1NH18IS037), bonafide students of NEW HORIZON COLLEGE OF ENGINEERING, Bengaluru, is in partial fulfillment for the award of Bachelor of Engineering in Information Science and Engineering of the Visveswaraya Technological University, Belgaum during the year 2019-20. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library.

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Name & Signature of the Guide

Mrs. Baswaraju Swathi

Name & Signature of the HOD

Dr. R J Anandhi

Signature of the Principal

Dr. Manjunatha

External Viva:-

Name

Signature with Date

1.

.....

2.

.....



NEW HORIZON COLLEGE OF ENGINEERING


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

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

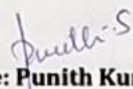
DECLARATION

We hereby declare that we have followed the guidelines provided by the Institution in preparing the project report and presented report of project titled "**IOT Based Farm Freshness Mobile Application**", and is uniquely prepared by us after the completion of the project work. We also confirm that the report is only prepared for my academic requirement and the results embodied in this report have not been submitted to any other University or Institution for the award of any degree.

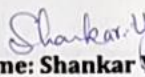
Signature of the Students: -


Name: Pooja T

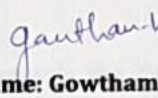
USN: 1NH18IS076


Name: Punith Kumar S

USN: 1NH18IS079


Name: Shankar Y

USN: 1NH18IS136


Name: Gowtham V

USN: 1NH18IS037



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

A PROJECT REPORT ON

"NUMBER PLATE RECOGNIZER"

Submitted in the partial fulfillment of the requirements in the 8th semester of

BACHELOR OF ENGINEERING

IN

INFORMATION SCIENCE AND ENGINEERING

By

SURAJ

1NH18IS114

SUJAY M

1NH18IS113

CHARAN REDDY

1NH18IS100

NIKHILESWAR REDDY

1NH18IS067

Under the guidance of

Mrs. Mounica B

Sr. Assistant Professor, Dept. of ISE, NHCE

NEW HORIZON COLLEGE OF ENGINEERING

Outer ring road, Kadubeesanahalli, Near Marathahalli, Bengaluru-560103



NEW HORIZON COLLEGE OF ENGINEERING

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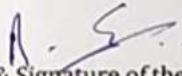
DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

Certified that the project work entitled "**NUMBER PLATE RECOGNIZER**", carried out by **Mr. Suraj** (1NH18IS114), **Mr. Sujay M** (1NH18IS113), **Mr. Charan Reddy** (1NH18IS100), **Mr. Nikhileswar Reddy** (1NH18IS067) bonafide students of NEW HORIZON COLLEGE OF ENGINEERING, Bengaluru, is in partial fulfillment for the award of Bachelor of Engineering in Information Science and Engineering of the Visveswaraya Technological University, Belgaum during the year 2021-22. 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.

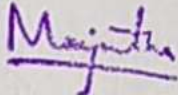
Name & Signature of the Guide


Mrs. Mounica B

Name & Signature of the HOD


Dr. R J Anandhi

Signature of the Principal


Dr. Manjunatha

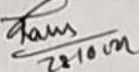
External Viva

Name of the Examiners

1. *Rama Sen*

2.

Signature with Date


28/10/22



NEW HORIZON COLLEGE OF ENGINEERING

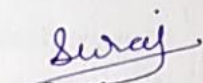
Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC
Accredited by NAAC with 'A' Grade, Accredited by NBA

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

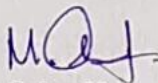
DECLARATION

We hereby declare that we have followed the guidelines provided by the Institution in preparing the project report and presented report of project titled "NUMBER PLATE RECOGNIZER", and is uniquely prepared by us after the completion of the project work. We also confirm that the report is only prepared for my academic requirement and the results embodied in this report have not been submitted to any other University or Institution for the award of any degree.

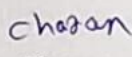
Signature of the Students


Suraj

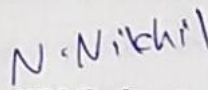
1NH18IS114


Sujay M

1NH18IS113


Charan
Reddy

1NH18IS100


Nikhileshwar
Reddy

1NH18IS067



**NEW HORIZON
COLLEGE OF ENGINEERING**

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



TOP ENGINEERING COLLEGE OF INDIA as per
NATIONAL INSTITUTIONAL RANKING FRAMEWORK, 2018
Ministry of Human Resource Development, Government of India

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

A PROJECT REPORT

ON

"BLOCKCHAIN-BASED IOT DEVICE SECURITY"

Submitted in the partial fulfillment of the requirements in the 8th semester of

BACHELOR OF ENGINEERING

IN

INFORMATION SCIENCE AND ENGINEERING

BY

KARTHIK R (1NH18IS047)

RAHUL V (1NH18IS082)

SANJANA A (1NH18IS097)

TEJASHWINI R (1NH18IS119)

Under the guidance of

Mrs. VANDANA CP,

Sr. Assistant Professor,

Dept. of ISE, NHCE

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

NEW HORIZON COLLEGE OF ENGINEERING

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

Ring Road, Bellandur Post, Near Marathalli,

Bangalore-560103, INDIA



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Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC
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TOP ENGINEERING COLLEGE OF INDIA as per
NATIONAL INSTITUTIONAL RANKING FRAMEWORK, 2018
Ministry of Human Resource Development, Government of India

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

Certified that the project work entitled "Blockchain-based IoT device security", carried out by Mr. Karthik R (1NH18IS047), Mr. Rahul V (1NH18IS082), Ms. Sanjana A (1NH18IS097) and Ms. Tejashwini R (1NH18IS119), bonafide students of NEW HORIZON COLLEGE OF ENGINEERING, Bengaluru, is in partial fulfillment for the award of Bachelor of Engineering in Information Science and Engineering of the Visveswaraiah Technological University, Belgaum during the year 2021-22. 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.

Vandana
24/6/2022

Name & Signature of the
Guide

Mrs. Vandana CP

Dr. R J Anandhi

Name & Signature of the
HoD

Dr. R J Anandhi

Dr. Manjunatha

Name & Signature of the
Principal

Dr. Manjunatha

External Viva

Name of the Examiners

Signature with Date

1.

2.



NEW HORIZON COLLEGE OF ENGINEERING

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

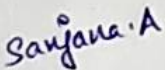
DECLARATION

We hereby declare that we have followed the guidelines provided by the Institution in preparing the project report and presented report of project titled "blockchain-based IoT device security", and is uniquely prepared by us after the completion of the project work. We also confirm that the report is only prepared for our academic requirement and the results embodied in this report have not been submitted to any other University or Institution for the award of any degree.

Signature of the Students


Name: Karthik R


Name: Rahul V


Name: Sanjana A


Name: Tejashwini R

USN: 1NH18IS047

USN: 1NH18IS082

USN: 1NH18IS097

USN: 1NH18IS119



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

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

A PROJECT REPORT ON

**“Human Profiling based Facial Micro Expressions and Speech
Input”**

Submitted in the partial fulfillment of the requirements in the 8th semester of

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

By

**PRAKRITI SHARMA KP(1NH18IS078)
MEDHA VINOD(1NH18IS132)
PUSHKAR SINHA (1NH18IS080)
SOURAV ADHIKARI (1NH18IS111)**

Under the guidance of

DR. RJ ANANDHI

Professor and HoD of ISE, NHCE

NEW HORIZON COLLEGE OF ENGINEERING

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

Outer ring road, Kadubeesanahalli, Near Marathahalli, Bengaluru-560103, India



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COLLEGE OF ENGINEERING**

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

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

Certified that the project work entitled "**Human Profiling based Facial Micro Expressions and Speech Input**", carried out by **Mr. Pushkar Sinha (1NH18IS080)**, **Mr. Sourav Adhikari (1NH18IS111)**, **Ms. Prakriti Sharma K P (1NH18IS078)** and **Ms. Medha Vinod (1NH18IS132)**, bonafide students of NEW HORIZON COLLEGE OF ENGINEERING, Bengaluru, is in partial fulfillment for the award of Bachelor of Engineering in Information Science and Engineering of the Visveswararajah Technological University, Belgaum during the year 2021-22. 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.

Name & Signature of the Guide

Dr. R J Anandhi

Name & Signature of the HOD

Dr. R J Anandhi

Signature of the Principal

Dr. Manjunatha

External Viva

Name of the Examiners

Signature with Date

1.

2.



**NEW HORIZON
COLLEGE OF ENGINEERING**

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

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

DECLARATION

We hereby declare that we have followed the guidelines provided by the Institution in preparing the project report and presented report of project titled "Human Profiling based Facial Micro Expressions and Speech Input", and is uniquely prepared by us after the completion of the project work. We also confirm that the report is only prepared for my academic requirement and the results embodied in this report have not been submitted to any other University or Institution for the award of any degree.

Signature of the Students

Name:

Name:

Name:

Name:

Prakriti Sharma K P

Medha Vinod

Pushkar Sinha

Sourav Adhikari

USN: 1NH18IS078

USN: 1NH18IS132

USN: 1NH18IS080

USN: 1NH18IS111



**NEW HORIZON
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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

A PROJECT REPORT ON

"Enhanced IoT Based Accident Detection & Rescue System"

Submitted in the partial fulfillment of the requirements in the 8th semester of

BACHELOR OF ENGINEERING

IN

INFORMATION SCIENCE AND ENGINEERING

By

**AMAN (1NH18IS052)
ANURAG (1NH18IS014)
AAYUSH (1NH18IS141)
ANAMIKA (1NH18IS008)**

Under the guidance of

Mr. Karthick MJ
Sr. Assistant Professor,
Dept. of ISE, NHCE

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

NEW HORIZON COLLEGE OF ENGINEERING

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

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



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

Certified that the project work entitled "Enhanced IoT Based Accident Detection & Rescue System", carried out by Mr. Kumar Aman (1NH18IS052), Mr. Anurag Dey (1NH18IS014), Mr. Aayush Vidhani (1NH18IS141) and Ms. Anamika Bhattacharya (1NH18IS008), bonafide students of NEW HORIZON COLLEGE OF ENGINEERING, Bengaluru, is in partial fulfillment for the award of Bachelor of Engineering in Information Science and Engineering of the Visveswaraiah Technological University, Belgaum during the year 2021-22. 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.

Name & Signature of the Guide

Mr. Karthick MJ

Name & Signature of the HOD

Dr. R J Anandhi

Signature of the Principal

Dr. Manjunatha

External Viva

Name of the Examiners

1. Rama Dan

2.

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

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

DECLARATION

We hereby declare that we have followed the guidelines provided by the Institution in preparing the project report and presented report of project titled "Enhanced IoT Based Accident Detection & Rescue System", and is uniquely prepared by us after the completion of the project work. We also confirm that the report is only prepared for my academic requirement and the results embodied in this report have not been submitted to any other University or Institution for the award of any degree

Signature of the Students

Kumar Aman

Anurag Dey

Aayush Vidhani

Anamika
Bhattacharya

USN: 1NH18IS052

USN:1NH18IS014

USN: 1NH18IS141

USN:1NH18IS008

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

Jnana Sangama, Belagavi, Karnataka - 590014



A PROJECT REPORT
ON

**"CUSTOMER FRIENDLY IOT BASED TOUCH LESS
SHOPPING" (SPONSORED BY KSCST)**



Project report submitted in the partial fulfillment of the requirements for the
award of the degree of

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

Submitted by

ANKIT SINGH

(1NH18IS010)

AYUSH MIHARIA

(1NH18IS018)

PINAKI MUKHERJEE

(1NH18IS075)

Under the guidance of

Mrs. Akshata Patil,

Assistant Professor



NEW HORIZON COLLEGE OF ENGINEERING
DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

Bangalore-560103

2021-22



NEW HORIZON COLLEGE OF ENGINEERING

AUTONOMOUS COLLEGE Permanently Affiliated to VTU, Approved by AICTE & UGC
Accredited by NAAC with 'A' Grade

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

Certified that the project work entitled "CUSTOMER FRIENDLY IOT BASED TOUCH LESS SHOPPING" carried out by **Mr. ANKIT SINGH** (1NH18ISO10), **Mr. AYUSH MIHARIA** (1NH18ISO18) and **Mr. PINAKI MUKHERJEE** (1NH18ISO75), bonafide students of NEW HORIZON COLLEGE OF ENGINEERING, Bengaluru, is in partial fulfilment for the award of Bachelor of Engineering in Information Science and Engineering of the Visveswaraiah Technological University, Belgaum during the year 2021-22. It is certified that all corrections/suggestions indicated 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.

Name & Signature of the
Guide

Mrs. Akshata Patil

Name & Signature of the
HOD

Dr. R J Anandhi

Signature of the Principal

Dr. Manjunatha

External Viva

Name of the Examiners

Signature with Date

1.

2.



NEW HORIZON COLLEGE OF ENGINEERING

AUTONOMOUS COLLEGE Permanently Affiliated to VTU, Approved by AICTE & UGC
Accredited by NAAC with 'A' Grade

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

DECLARATION

We hereby declare that we have followed the guidelines provided by the Institution in preparing the project report and presented report of project titled "CUSTOMER FRIENDLY IOT BASED TOUCH LESS SHOPPING", and is uniquely prepared by us after the completion of the project work. We also confirm that the report is only prepared for my academic requirement and the results embodied in this report have not been submitted to any other University or Institution for the award of any degree.

Signature of the Students

Name: Ankit Singh
USN: 1NH18IS010

Name: Ayush Miharia
USN: 1NH18IS018

Name: Pinaki Mukherjee
USN: 1NH18IS075



NEW HORIZON COLLEGE OF ENGINEERING

AUTONOMOUS COLLEGE Permanently Affiliated to VTU, Approved by AICTE & UGC
Accredited by NAAC with 'A' Grade

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

**A
PROJECT REPORT**

ON

"IOT BASED AQUA-SWACH"

Submitted in the partial fulfillment of the requirements in the 8th semester of

BACHELOR OF ENGINEERING

IN

INFORMATION SCIENCE AND ENGINEERING

Submitted by

ARPITA CHOWDARY VANTIPALLI [1NH18IS016]

DARSHANA SAILU TANTI [1NH18IS028]

MALVIKA RAVI KUDARI [1NH18IS058]

KRITIN KANNAN [1NH18IS044]

Under the guidance of

Mrs. Karthiyayini J,
Senior Assistant Professor,
Dept. of ISE, NHCE



NEW HORIZON COLLEGE OF ENGINEERING

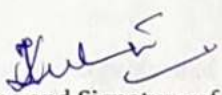
AUTONOMOUS COLLEGE Permanently Affiliated to VTU, Approved by AICTE & UGC
Accredited by NAAC with 'A' Grade

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING


CERTIFICATE

Certified that the project work entitled "IoT Based Aqua-Swach"- (Enhancement), carried out by **Ms. Arpita Chowdary Vantipalli** [1NH18IS016], **Ms. Darshana Sailu Tanti** [1NH18IS028], **Ms. Malvika Ravi Kudari** [1NH18IS058] and **Mr. Krtin Kannan** [1NH18IS044], bonafide students of NEW HORIZON COLLEGE OF ENGINEERING, Bengaluru, is in partial fulfillment for the Bachelor of Engineering in Information Science and Engineering of the Visvesvaraya Technological University, Belgaum during the year 2021-22. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library.

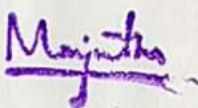
The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.


Name and Signature of
Guide

Mrs. Karthiyayini J


Name and Signature of
HoD-ISE & Dean of
Academics

Dr. R J Anandhi


Signature of Principal
Dr. Manjunatha

External Viva

Name of the Examiners

Signature with Date

1.

2.



NEW HORIZON COLLEGE OF ENGINEERING

AUTONOMOUS COLLEGE Permanently Affiliated to VTU, Approved by AICTE & UGC
Accredited by NAAC with 'A' Grade

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

DECLARATION

We hereby declare that we have followed the guidelines provided by the Institution in preparing the project report and presented report of project titled "IOT BASED AQUA-SWACH" and is uniquely prepared by us after the completion of the project work. We also confirm that the report is only prepared for our academic requirement and the results embodied in this report have not been submitted to any other University or Institution for the award of any degree.

Signature of the Students

Name:
Arpita Chowdary
Vantipalli

USN: 1NH18IS016

Name:
Darshana Sailu
Tanti

USN: 1NH18IS028

Name:
Malvika Ravi
Kudari

USN: 1NH18IS058

Name:
Krtin
Kannan

USN: 1NH18IS044

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

Jnana Sangama, Belagavi, Karnataka - 590014



A PROJECT REPORT
ON

“e-ಶ್ರವಣ ಬೆಂಬಲ: e-HEARING AID”
(SPONSORED BY KSCST)



Project report submitted in the partial fulfillment of the requirements for the
award of the degree of

BACHELOR OF ENGINEERING
IN
INFORMATION SCIENCE AND ENGINEERING

Submitted by

YASHMITHA R

ANUSHKA SEN

TEJAL LALJI RANGANI

(1NH18IS128)

(1NH18IS129)

(1NH18IS118)

Under the guidance of
Mrs. Divya K V,
Senior Assistant Professor



NEW HORIZON COLLEGE OF ENGINEERING
DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

Bangalore-560103

2021-22



NEW HORIZON COLLEGE OF ENGINEERING

AUTONOMOUS COLLEGE Permanently Affiliated to VTU, Approved by AICTE & UGC
Accredited by NAAC with 'A' Grade

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

Certified that the project work entitled “e-ಶ್ರವಣ ಬೆಂಬಲ: e- Hearing Aid”, carried out by **Ms. Yashmitha R** (INH18IS128), **Ms. Anushka Sen** (INH18IS129) and **Ms. Tejal Lalji Rangani** (INH18IS118), bonafide students of NEW HORIZON COLLEGE OF ENGINEERING, Bengaluru, is in partial fulfilment for the award of Bachelor of Engineering in Information Science and Engineering of the Visveswaraiah Technological University, Belgaum during the year 2021-22. 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.

Name & Signature of the Guide
Mrs. Divya K V

Name & Signature of the HOD
Dr. R J Anandhi

Signature of the Principal
Dr. Manjunatha

New Horizon College of Engineering
Ring Road, Bellandur Post,
Bangalore - 560 103

External Viva
Name of the Examiners

Signature with Date

- 1.
- 2.



NEW HORIZON COLLEGE OF ENGINEERING

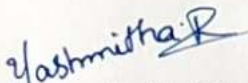
AUTONOMOUS COLLEGE Permanently Affiliated to VTU, Approved by AICTE & UGC
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DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

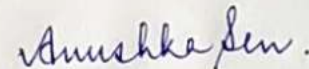
DECLARATION

We hereby declare that we have followed the guidelines provided by the Institution in preparing the project report and presented report of project titled "e-ಶ್ರವಣ ಬೆಂಬಲ: e- Hearing Aid", and is uniquely prepared by us after the completion of the project work. We also confirm that the report is only prepared for my academic requirement and the results embodied in this report have not been submitted to any other University or Institution for the award of any degree.

Signature of the Students:


Name: Yashmitha R
USN: 1NH18IS128


Name: Teja Lalji Rangani
USN: 1NH18IS118


Name: Anushka Sen
USN: 1NH18IS129



**NEW HORIZON
COLLEGE OF ENGINEERING**

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

**“Developing an Intelligent Model to Detect Micro Facial
Expression”**

PROJECT PHASE-2 REPORT

Submitted by

SAGAR S [1NH18IS090]

SAMRUDH G R [1NH18IS094]

TEJASVI PATIL [1NH18IS120]

Under the guidance of,

DR. GAUTAM

Sr. Assistant Professor, ISE, NHCE

In partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

IN

INFORMATION SCIENCE AND ENGINEERING

FOR

COURSE NAME: PROJECT PHASE-2

COURSE CODE: 20ISE83A



NEW HORIZON COLLEGE OF ENGINEERING

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

CERTIFICATE

Certified that the project work entitled "Developing an intelligent model to detect micro facial expression" carried out by **Mr. SAGAR, Mr. SAMRUDH G.R and Mr. TEJASVI PATIL** bearing USNs 1NH18IS090, 1NH18IS094, and 1NH18IS120 respectively, bonafide students of 8th semester in partial fulfillment for the award of Bachelor of Engineering in Information Science & Engineering of the Visveswaraiah Technological University, Belagavi during the year 2021-22. It is certified that all corrections / suggestions indicated for Internal Assessment have been incorporated. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

Name & Signature of Guide

Dr. Gautam

Name & Signature of HOD

Dr. Anandhi R J

Name & Signature of Principal

Dr. Manjunatha

Examiners:

Name

Signature

1. Abhinav R

S. S. 28/06/22

2. Dr. Gautam K Senapathy

K. S. 28/6/2022



NEW HORIZON COLLEGE OF ENGINEERING

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DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

DECLARATION

We hereby declare that we have followed the guidelines provided by the Institution in preparing the project report and presented report of project titled "Developing an Intelligent model for detecting micro-facial expressions", and is uniquely prepared by us after the completion of the project work. We also confirm that there part is only prepared for our academic requirement and the results embodied in this report have not been submitted to any other University or Institution for the award of any degree.

Signature of the Students

Name: Sagar Shankar

USN:1NH18IS090

Name: Samrudh G R

USN:1NH18IS094

Name: Tejasvi Patil

USN:1NH18IS120



NEW HORIZON COLLEGE OF ENGINEERING

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DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

**A PROJECT REPORT ON
"INTELLIGENT READER FOR VISUALLY IMPAIRED"**

Submitted in the partial fulfillment of the requirements in the 8th semester of

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

By

**IRENDRA K
1NH19IS401**

**PAVAN KUMAR
1NH19IS404**

**MOHAMMED KAIFULLA D K
1NH19IS403**

**SYED SAQLAIN AHMED
1NH19IS411**

Under the guidance of

Mrs. AKSHATA PATIL

Assistant Professor, Dept. of ISE, NHCE



NEW HORIZON COLLEGE OF ENGINEERING

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

CERTIFICATE

Certified that the project work entitled Intelligent Reader for Visually Impaired carried out by Mr. Irendra K (1NH19IS401), Mr. Pavan Kumar (1NH19IS404), Mr. MOHAMMED KAIFULLA D K (1NH19IS403), Mr. Syed Saqlain Ahmed (1NH19IS411), bonafide students of NEW HORIZON COLLEGE OF ENGINEERING, Bengaluru in partial fulfillment for the award of Bachelor of Engineering in Information Science & Engineering of the Visveswaraiah Technological University, Belagavi during the year 2021-22. It is certified that all corrections / suggestions indicated for Internal Assessment have been incorporated.

The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

Name & Signature of Guide

Mrs. Akshata Patil

Name & Signature of HOD

Dr. R J Anandhi

Name & Signature of Principal

Dr. Manjunatha

Examiners:

Name

Signature

1. Gautam R Senupatty

R/S 28/6/22

2. Ashwini B

A/B 28/6/22



NEW HORIZON COLLEGE OF ENGINEERING

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

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

DECLARATION

We hereby declare that we have followed the guidelines provided by the Institution in preparing the project report and presented report of project titled "Intelligent Reader for Visually Impaired", and is uniquely prepared by us after the completion of the project work. We also confirm that the report is only prepared for my academic requirement and the results embodied in this report have not been submitted to any other University or Institution for the award of any degree.

Signature of the Students

Name: Irendra K

Name: Pavan Kumar

Name: Mohammed
Kaifulla D K

Name: Syed Saqlain
Ahmed

USN: 1NH19IS401

USN: 1NH19IS404

USN: 1NH19IS403

USN: 1NH19IS411



NEW HORIZON COLLEGE OF ENGINEERING

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DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

A PROJECT REPORT ON

"IOT Driven I-Eye for Visually Impaired"

Submitted in the partial fulfillment of the requirements in the 8th semester of

BACHELOR OF ENGINEERING IN INFORMATION SCIENCE AND ENGINEERING

By

Shubham Annappa Kharade

1NH19IS407

Kartik Bhinge

1NH19IS402

Sunil Kumar H

1NH19IS410

B M Pramod

1NH19IS400

Under the guidance of

Mrs. Rama Bansidhar Dan

Assistant Professor, Dept. of ISE, NHCE

NEW HORIZON COLLEGE OF ENGINEERING

Outer ring road, Kadubeesanahalli, Near Marathahalli, Bengaluru-560103



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

Certified that the project work entitled "IOT Driven I-Eye for Visually Impaired", carried out by **Mr. Shubham Annappa Kharade** (1NH19IS407), **Mr. Kartik Bhinge** (1NH19IS402), **Mr. Sunil Kumar H** (1NH19IS410), **Mr. B M Pramod** (1NH19IS400) bonafide students of NEW HORIZON COLLEGE OF ENGINEERING, Bengaluru, is in partial fulfillment for the award of Bachelor of Engineering in Information Science and Engineering of the Visveswaraya Technological University, Belgaum during the year 2019-20. 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.

Name & Signature of the Guide

**Mrs. Rama Bansidhar
Dan**

Name & Signature of the HOD

Dr. R J Anandhi

Signature of the Principal

Dr. Manjunatha

External Viva

Name of the Examiners

1. **Gautam K Senupathy**
2. **Ashwini R**

Signature with Date



NEW HORIZON COLLEGE OF ENGINEERING

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DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

DECLARATION

We hereby declare that we have followed the guidelines provided by the Institution in preparing the project report and presented report of project titled "IOT Driven I-Eye for Visually Impaired", and is uniquely prepared by us after the completion of the project work. We also confirm that the report is only prepared for my academic requirement and the results embodied in this report have not been submitted to any other University or Institution for the award of any degree.

Signature of the Students

**Shubham Annappa
Kharade**

1NH19IS407

Kartik Bhinge

1NH19IS402

**Sunil Kumar
H**

1NH19IS410

B M Pramod

1NH19IS400



NEW HORIZON COLLEGE OF ENGINEERING

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DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

A PROJECT REPORT ON

"DRIVER DROWSINESS DETECTION SYSTEM"

Submitted in the partial fulfillment of the requirements in the 8th semester of

BACHELOR OF ENGINEERING

IN

INFORMATION SCIENCE AND ENGINEERING

By

D V V ASWANTH	[1NH18IS027]
HARSH ANKIT	[1NH18IS143]
SOMA SHEKAR J	[1NH19IS408]
CHARLES CHALLIAH J	[1NH16IS027]
NAVEEN M	[1NH18IS068]

Under the guidance of

Mrs. Rama Dan,
Assistant Professor,
Dept. of ISE, NHCE

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

NEW HORIZON COLLEGE OF ENGINEERING

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

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

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING



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

Certified that the project work entitled "Driver Drowsiness Detection System", carried out by **Mr. D V V Aswanth** (1NH18IS027), **Mr. Harsh Ankit** (1NH18IS143), **Mr. Charles Challiah** (1NH16IS027), **Mr. Soma Shekar J**(1NH19IS408) and **Mr. Naveen M** (1NH18IS068) bonafide students of NEW HORIZON COLLEGE OF ENGINEERING, Bengaluru, is in partial fulfillment for the award of Bachelor of Engineering in Information Science and Engineering of the Visveswaraiah Technological University, Belgaum during the year 2021-22. 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.

Name & Signature of the Guide

Mrs. Rama Dan

Name & Signature of the HOD

Dr. R. Anandhi

Signature of the Principal

Dr. Manjunatha

External Viva

Name of the Examiners

Signature with Date

1. **Gautam K Senapathy**

2. **Ashwini R**

28/06/22

28/06/22



NEW HORIZON COLLEGE OF ENGINEERING

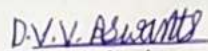
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Accredited by NAAC with 'A' Grade, Accredited by NBA

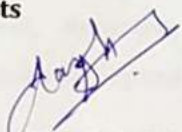
DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

DECLARATION

We hereby declare that we have followed the guidelines provided by the Institution in preparing the project report and presented report of project titled "Driver Drowsiness Detection System", and is uniquely prepared by us after the completion of the project work. We also confirm that the report is only prepared for my academic requirement and the results embodied in this report have not been submitted to any other University or Institution for the award of any degree

Signature of the Students


D V V Ashwant


Harsh Ankit


Charles Challiah

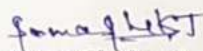

Naveen M

USN: 1NH18IS027

USN:1NH18IS143

USN: 1NH16IS027

USN:1NH18IS068


Soma Shekar J

USN: 1NH19IS408



NEW HORIZON COLLEGE OF ENGINEERING

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DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

A PROJECT REPORT ON

"IMAGE REGENERATION"

Submitted in the partial fulfillment of the requirements in the 8th semester of

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

By

Syed Mateen

1NH18IS115

Tanmay Tiwari

1NH18IS117

Saifulla Sharief

1NH18IS142

Saraf Hrutwik Digambarao

1NH18IS144

Under the guidance of

Mrs. Shruti G R

Assistant Professor, Dept. of ISE, NHCE

NEW HORIZON COLLEGE OF ENGINEERING

Outerring road, Kadubeesanahalli, Near Marathahalli, Bengaluru-560103



NEW HORIZON COLLEGE OF ENGINEERING

AUTONOMOUS COLLEGE Permanently Affiliated to VTU, Approved by AICTE & UGC
Accredited by NAAC with 'A' Grade

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

Certified that the project work entitled "**IMAGE REGENERATION**", carried out by **Mr. Syed Mateen** (1NH18IS115), **Mr. Tanmay Tiwari**(1NH18IS117), **Mr. Saifulla Sharief**(1NH18IS142) and **Mr. Saraf Hrutwik Digambarrao**(1NH18IS144) bonafide students of NEW HORIZON COLLEGE OF ENGINEERING, Bengaluru, is in partial fulfilment for the award of Bachelor of Engineering in Information Science and Engineering of the Visveswaraiah Technological University, Belgaum during the year 2021-22. 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.

Name & Signature of the
Guide

Ms. Shrutika G R

Name & Signature of the
HOD

Dr. R J Anandhi

Signature of the
Principal

Dr. Manjunatha

External viva

Name of the Examiners

1. **Gautam K. Senapathy**
2. **Ashwini. R**

Signature with date

K. S. S. 28/06/22
S. R. 28/06/22



NEW HORIZON COLLEGE OF ENGINEERING

AUTONOMOUS COLLEGE Permanently Affiliated to VTU, Approved by AICTE & UGC
Accredited by NAAC with 'A' Grade

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

DECLARATION

We hereby declare that we have followed the guidelines provided by the Institution in preparing the project report and presented report of project titled "IMAGE REGENERATION", and is uniquely prepared by us after the completion of the project work. We also confirm that the report is only prepared for my academic requirement and the results embodied in this report have not been submitted to any other University or Institution for the award of any degree.

Signature of the Students

Name: Syed Mateen

Name: Tanmay Tewari

Name: Saifulla Sharief

Name: Saraf
Hrutwik
Digambarrao

Usn: 1NH18IS115

Usn: 1NH18IS117

Usn: 1NH18IS142

Usn: 1NH18IS144