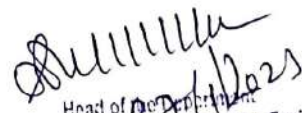


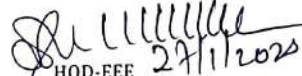
NEW HORIZON COLLEGE OF ENGINEERING
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
20EEE84A - PROJECT PHASE 2- EVEN SEMESTER 2022-2023 (Batch : 2019-2023)

S. NO	Student Name	USN	Batch	Guide Name	Co-Guide	Title of the project
1	ABDUL SAMEDH	1NH19EE001	A01	Prof.Kothandapani	Dr.Mohan Das R	Microcontroller based automated tumbler cleaner
2	DARSHAN R	1NH19EE030	A01			
3	FAIZ UR Rahman	1NH19EE034	A01			
4	Abhishek	1NH19EE003	A02	Dr.Vinoth Kumar K		Remote Health Monitoring system for systems
5	ANIL HEGDE H	1NH19EE013	A02			
6	Dhruva S Srinivas	1NH19EE032	A02			
7	Krishna Chaitanya	1NH19EE038	A02			
8	Abhishek Bedant	1NH19EE004	A03	Prof. Antha A	Dr.B.Gunapriya	HEALTH PARAMETER DETECTION UNIT USINGG IOT
9	Kumar Abhishek	1NH19EE061	A03			
10	Madhav Reddy C	1NH19EE067	A03			
11	KOTA VIKRAMAADHITYA	1NH19EE060	A03			
12	ABRAR ALTAF DAR	1NH19EE005	A04	Prof.Karthika M	Dr.Mohandas G	DESIGN AND IMPLEMENTATION OF SOLAR FED FLOOD ALERT SYSTEM USING BOLT WI-FI MODULE
13	ANKIT KUMAR	1NH19EE016	A04			
14	EZRA D CUNHA	1NH19EE033	A04			
15	GAURAV P KUMAR	1NH19EE040	A04			
16	AGARWAL RAHAT MANOJ KUMAR	1NH19EE007	A05	Prof.Sangeetha C N	Dr. J Joshuadaniel Raj	NOVEL TECHNIQUE TO MITIGATE FIRE PROTECTION SYSTEM IN ELECTRIC VEHICLES
17	CHIRAG PATHAK	1NH19EE025	A05			
18	DEEPAK KUMAR SAH	1NH19EE029	A05			
19	FAOZ FIROZ BASHEER	1NH19EE035	A05			
20	Aishwarya P	1NH19EE008	A06	Dr.Vinoth Kumar K		Implementation of Prepaid Energy Meter with Theft Detection using IoT
21	Charishma A	1NH19EE023	A06			
22	Gautammee KK	1NH19EE042	A06			
23	Kesamreddy Deepthi	1NH19EE055	A06			
24	AISHWARYA V H	1NH19EE009	A07	Dr. Mohan Das R		Implementation of Accident detection and Reporting system using iot
25	AKSHATHA SHREE	1NH19EE011	A07			
26	ANUSHA S	1NH19EE019	A07			
27	KHUSHI J VIBHUTHI	1NH19EE057	A07			
28	Aisiri M Urs	1NH19EE010	A08	Dr.S.Sujitha		QUAD CHAIR PRO- SPORTS WHEELCHAIR
29	Harshitha R	1NH19EE046	A08			
30	M Rohith Kumar Reddy	1NH19EE066	A08			
31	Koushik P	1NH20EE403	A08			
32	Anjana Kumari	1NH19EE015	A09	Dr.B.Gunapriya		AN IOT BASED SMART FARMING SYSTEM USING MACHINE LEARNING WITH PREDICTIVE ANALYSIS
33	Harshita S V	1NH19EE045	A09			
34	Danamma Todalabagi	1NH20EE402	A09			
35	Sneha D R	1NH20EE409	A09			
36	ANOOPKUMAR H S	1NH19EE018	A10	Prof. Satish Kumar D	Dr.Joshuadaniel Raj	PLANT DISEASE DETECTION USING CONVOLUTION NEURAL NETWORK
37	CETHAN D R	1NH19EE024	A10			
38	DEEKSHITH MORE B	1NH19EE028	A10			
39	KUSHAL A Y	1NH19EE062	A10			


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NEW HORIZON COLLEGE OF ENGINEERING
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
20EEE84A - PROJECT PHASE 2- EVEN SEMESTER 2022-2023 (Batch : 2019-2023)

S. NO	Student Name	USN	Batch	Guide Name	Co-Guide	Title of the project
40	Dechamma V S	1NH19EE027	A11	Mr.Vinod Kumar S		PLC BASED 3 AXIS ROUTER MACHINE
41	J Likitha	1NH19EE047	A11			
42	JAYANTH R	1NH19EE050	A11			
43	PRAJWAL R M	1NH20EE407	A11			
44	Faraz Ahmed Mullah	1NH18EE014	A12	Prof. Kavitha Chenna Reddy	Dr.Vinoth Kumar K	Autopilot using neuro evaluation of Augmenting Topologies
45	Hemanth G N	1NH19EE037	A12			
46	J Prajwal	1NH19EE048	A12			
47	M GOPAL	1NH19EE065	A12			
48	KIRAN LAL V PILLAI	1NH19EE058	A13	Dr. Agalya.V		Automatic detection of Potholes and Humps on Road
49	MADIVALAPPA	1NH20EE404	A13			
50	AKSHAY V	1NH19EE012	A13			
51	HARSHAVARDHAN T	1NH19EE044	A13			
52	MOHAN P	1NH20EE405	A14	Dr. Agalya.V		Web monitoring and closed loop system for medical centrifugal machine with IOT
53	NANDAN D SALANKE	1NH20EE406	A14			
54	VIJAY METI	1NH20EE410	A14			
55	SHIVA SHANKARA.M	1NH20EE408	A15	Prof. Manochitra G	Dr. Vinoth Kumar K	A Certain Investigation of Distribution Line in Link with Substation using GSM Technology
56	BINAY KUMAR YADAV	1NH20EE401	A15			


HOD-EEE 27/11/2022

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NEW HORIZON COLLEGE OF ENGINEERING
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
20EEE7BA - PROJECT PHASE 2 - EVEN SEMESTER 2022-2023

S.NO	Student Name	USN	Batch	Guide Name	CO-Guide	Title of the project
1	MANISH	1NH19EE068	B01	Prof.Sangeetha C N		Wildlife detection with human and forest safety
2	SARTHAK GHORAI	1NH19EE100	B01			
3	SHARIQ AHMED	1NH19EE105	B01			
4	SUBHAJIT DAS	1NH19EE109	B01			
5	Manoj kumar H V	1NH19EE069	B02	Mr. Sunil S K	Dr.S.Sujitha	AI and IoT based detection of pesticides in organic fruits and vegetables
6	Manoj kumar P	1NH19EE070	B02			
7	Naveen R N	1NH19EE080	B02			
8	Sandeep Naik R	1NH19EE095	B02	Dr.Vinoth Kumar K		Solar wireless EV charging system
9	Maruthi B	1NH19EE071	B03			
10	Rahul	1NH19EE092	B03			
11	Santhosh Melvin D	1NH19EE098	B03			
12	Sathish	1NH19EE101	B03	Dr.S.Sujitha		SOLAR POWERED MULTIFUNCTIONAL AGRICULTURAL ROBOT
13	Meghana N T	1NH19EE072	B04			
14	Vandana R	1NH19EE121	B04			
15	Vidya G R	1NH19EE122	B04			
16				Prof. Pooja Josh	Dr.Prabhakaran	Developing EV by meas of pedaling the stationary vehicle
17	Meghana S	1NH19EE073	B05			
18	Santhosh kummi	1NH19EE099	B05			
19	Suraj Raju Jadhav	1NH19EE110	B05			
20	U Mohammed Arshad	1NH19EE120	B05	Dr.B.Gunapriya		Geasture Control EV
21	Mohammad Shawali	1NH19EE074	B06			
22	Poojith.N	1NH19EE087	B06			
23	Vyas Kodge	1NH19EE124	B06	Prof.Manochitra G		A certain Investigation of Distribution Line in link with substation using GSM technology
24	Y.Punith	1NH19EE126	B06			
25	P. Sindhu	1NH19EE083	B07			
26	YASHVANTHA P	1NH18EE407	B07	Prof.Manochitra G		A certain Investigation of Distribution Line in link with substation using GSM technology
27	MUNTAZIR ABID	1NH19EE076	B07			
28	MUNTAZIR ALI MIR	1NH19EE077	B07			


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NEW HORIZON COLLEGE OF ENGINEERING
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
20EEE78A - PROJECT PHASE 2 - EVEN SEMESTER 2022-2023

S.NO	Student Name	USN	Batch	Guide Name	CO-Guide	Title of the project
29	Ravi Nandan	1NH19EE085	B08	Prof.Surat Piyari	Dr.S.Sujitha	Artificial Intelligence based Self-Driving Car Using Robotic Model
30	Roopeshwar Reddy	1NH19EE127	B08			
31	Vinod Kumar R	1NH19EE123	B08			
32	W Y Jhansi Priya	1NH19EE125	B08			
33	R. Varun	1NH19EE090	B09	Dr. Mohandas R		Analysis of electrical parameters for formula style EV
34	Ritika Kapoor	1NH19EE093	B09			
35	Tejas V	1NH19EE116	B09			
36	SHAMBHAVI BHAGAT	1NH19EE116	B09			
37	Rachna Palli	1NH19EE091	B10	Prof.Vinod Kumar S	Dr.M.Mahesh	PLC based 3-axis Router Machine
38	Sowmyashree	1NH19EE107	B10			
39	JESHWANTH V	1NH18EE021	B10			
40	VERNON VICTOR	1NH18EE060	B10			
41	Sanskriti Agarwalla	1NH19EE097	B11	Prof. Sowmya K V	Dr.S.Sujitha	COMBAT SURVEILLANCE DRONE FOR RESCUE MANAGEMENT AND MILITARY SECURITY USING ARTIFICIAL INTELLIGENCE
42	Sharmi Kanaujia	1NH19EE106	B11			
43	Sheikh Sameer	1NH19EE103	B11			
44	Tabasum Manzoor	1NH19EE114	B11			
45	Shaif Alam	1NH19EE102	B12	Prof. Kartheek Vankada	Dr.S.Sujitha	Battery management system for electric vehicles
46	Swastik Shukla	1NH19EE113	B12			
47	Zahra goher sultana	1NH19EE129	B12			

[Signature]
HOD-EEE 2A/1/2023

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

20EEE84A Project - Phase II

Report on

AI and IoT BASED DETECTION OF PESTICIDES IN ORGANIC FRUITS AND VEGETABLES

Submitted in the partial fulfilment of the Final Year Project - Phase II

Submitted by

MANOJ KUMAR H V 1NH19EE069

NAVEEN R N 1NH19EE080

SANDEEP NAIK R 1NH19EE095

MANOJ KUMAR P 1NH19EE070

Under the Guidance of

Prof. Sunil S K

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

“Jnana Sangama”, Belgaum: 590018



2022-23

20EEE84A Project - Phase II

ACKNOWLEDGEMENT

I take this opportunity to convey my gratitude to all those who have been kind enough to offer their advice and provide assistance when needed which has led to the successful completion of the project.

We grateful to the Chairman of New Horizon Educational Institution, **Dr. MOHAN MANGHNANI** for providing with infrastructural facilities and many other resources needed for our project. I would like to express my immense gratitude to our principal, **Dr. MANJUNATHA** for motivating us to carry out research in the NHCE and **Dr. SUJITHA.S**, Head of the department for their constant support and motivation that has encouraged me to come up with this project and also for providing the right ambience for carrying out the work and the facilities provided to me.

I express my warm thanks to my project guide **Prof. SUNIL S.K**, Department of Electrical and Electronics Engineering, New Horizon College of Engineering for his skilful guidance, constant supervision, timely suggestion and constructive criticism in successful completion of my project in time.

I wish to thank all the faculty of Electrical and Electronics Engineering department for providing required support throughout the project.

I would like to thank my parents for supporting and helping in the completion of the project.

Last but not the least I would like to thank all my friends without whose support and co-operation the completion of project would not have been possible.

MANOJ KUMAR H V **1NH19EE069**

NAVEEN R N **1NH19EE080**

SANDEEP NAIK R **1NH19EE095**

MANOJ KUMAR P **1NH19EE070**

20EEE84A Project - Phase II

DECLARATION

We, **Manoj Kumar H V(1NH19EE069), Naveen R N(1NH19EE080), Sandeep Naik R (1NH19EE095), Manoj Kumar P(1NH19EE070)**, students of New Horizon College of Engineering hereby declare that this project work entitled **“AI AND IoT BASED DETECTION OF PESTICIDES IN ORGANIC FRUITS AND VEGITABLES”** is an original and bonafide work carried out by me at New Horizon College of Engineering in partial fulfillment of Bachelor of Engineering in Electrical and Electronics Engineering of Visvesvaraya Technological University, Belgaum.

We also declare that, to the best of our knowledge and belief, the work reported herein does not form part of any other thesis or dissertation based on which a degree or award was conferred on an earlier occasion by any student.

MANOJ KUMAR H V	1NH19EE069			
NAVEEN R N	1NH19EE080			
SANDEEP NAIK R	1NH19EE095			
MANOJ KUMAR P	1NH19EE070			

Submission Information

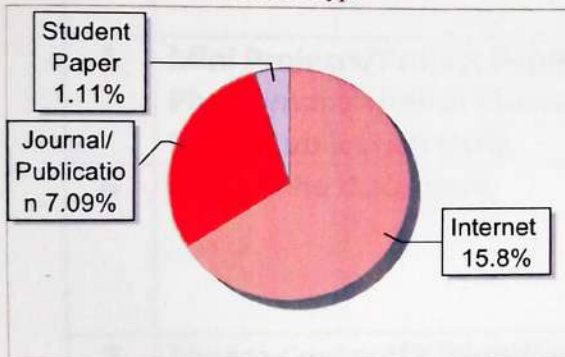
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Title	project
Paper/Submission ID	736389
Submission Date	2023-05-08 21:19:17
Total Pages	39
Document type	Project Work

Result Information

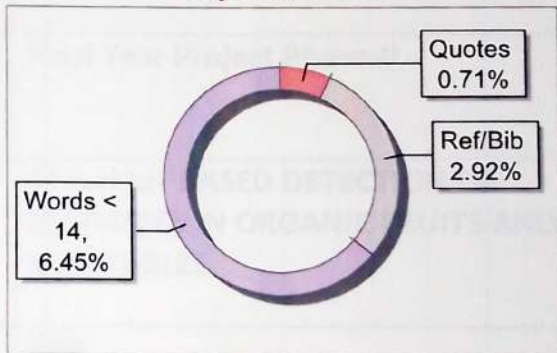
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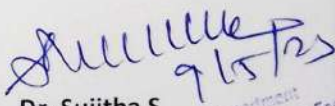
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LIBRARY & INFORMATION CENTRE CERTIFICATE ON PLAGIARISM CHECK

1	Name of the Student	Manoj Kumar H V Manoj Kumar P Naveen R N Sandeep Naik R
2	USN	1NH19EE069 1NH19EE070 1NH19EE080 1NH19EE095
3	Course	UG
4	Department	EEE
5	Mini Projects/Project Reports/ Ph.D Synopsis/ Ph.D Thesis/ Paper Publication (N/I)	Final Year Project Phase-II
6	Title of the Document	AI and IoT BASED DETECTION OF PESTICIDES IN ORGANIC FRUITS AND VEGETABLES
7	Similar Content(%)identified	24%
8	Acceptable maximum limit (%) of similarity	25%
9	Date of Verification	08.05.2023
10	Checked by (Name with signature)	Mr. D Kodandapani
11	Specific remarks, if any :	No

We have verified the contents as summarized above and certified that the statement made above are true to the best of our knowledge and belief.


Mr. D Kodandapani
Plagiarism - Coordinator


Dr. Sujitha S
HOD - EEE
Department of Electrical and Electronics Engineering
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PROJECT IMAGES

PROJECT TITLE: AI AND IoT BASED DETECTION OF PESTICIDES IN ORGANIC FRUITS AND VEGETABLES

MANOJ KUMAR H V 1NH19EE069

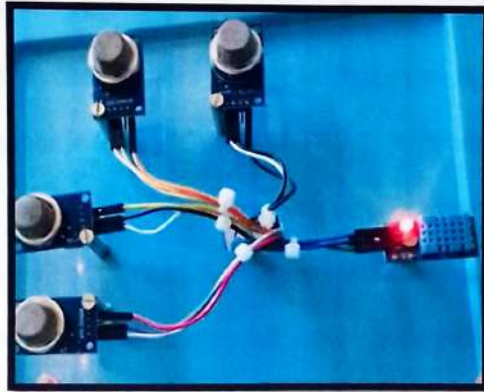
NAVEEN R N 1NH19EE080

SANDEEP NAIK R 1NH19EE095

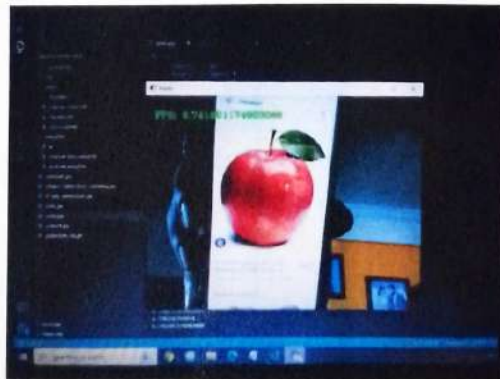
MANOJ KUMAR P 1NH19EE070

Under the Guidance of

Prof. Sunil S.K



Gas and Humidity Sensors



Object Identification



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

20EEE83A Project - Phase II

Report on

ANALYSIS OF DISTRIBUTION LINE IN LINK WITH SUBSTATION USING GSM TECHNOLOGY

Submitted in the partial fulfilment of the Final Year Project - Phase II

Submitted by

P. Yashvantha 1NH18EE407

P. Sindhu 1NH19EE083

Muntazir Abid 1NH19EE076

Muntazir Ali 1NH19EE077

Name & Signature of the Project Guide	Name & Signature of Head of the Department
Prof. Manochitra G	Dr. Sujitha.S

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

“Jnana Sangama”, Belgaum: 590018



2022-23



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Outer Ring Road, Bellandur, Bengaluru – 560103

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

CERTIFICATE

Certified that the Project work entitled **“A Certain Investigation of Distribution Line in Link with Substation using GSM Technology”** carried out by **P. Yashvantha(1NH18EE407), P.Sindhu(1NH19EE083),Muntazir Abid(1NH19EE076), Muntazir Ali(1NH19EE077)** bonafide Student(s) of New Horizon College of Engineering submitted the report in the partial fulfillment for the award of Bachelor of Engineering in **Department of Electrical and Electronics Engineering, New Horizon College of Engineering** of Visvesvaraya Technological University, Belgaum during the Year 2022-23.

It is certified that all the corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for said Degree.

Name & Signature of the Project Guide	Name & Signature of Head of the Department
Prof. Manochitra G	Dr. Sujitha S Department of Electrical and Electronics Engineering New Horizon College of Engineering Ring Road, Bellandur, Bengaluru - 560103

SEMESTER END EXAMINATION

Internal Examiner



External Examiner

ACKNOWLEDGEMENT

I take this opportunity to convey my gratitude to all those who have been kind enough to offer their advice and provide assistance when needed which has led to the successful completion of the project.

We are grateful to the Chairman of New Horizon Educational Institution, **Dr. MOHAN MANGHNANI** for providing with infrastructural facilities and many other resources needed for our project. I would like to express my immense gratitude to our principal, **Dr. MANJUNATHA** for motivating us to carry out research in the NHCE and **Dr. SUJITHA.S**, Head of the department for their constant support and motivation that has encouraged me to come up with this project and also for providing the right ambience for carrying out the work and the facilities provided to me.

I express my warm thanks to my project guide **Prof. Manochitra G**, Department of Electrical and Electronics Engineering, New Horizon College of Engineering for his/her skilful guidance, constant supervision, timely suggestion and constructive criticism in successful completion of my project in time.

I wish to thank all the faculty of Electrical and Electronics Engineering department for providing required support throughout the project.

I would like to thank my parents for supporting and helping in the completion of the project.

Last but not the least I would like to thank all my friends without whose support and co-operation the completion of project would not have been possible.

P. Yashvantha 1NH18EE407

P. Sindhu 1NH19EE083

Muntazir Abid 1NH19EE076

Muntazir Ali 1NH19EE077

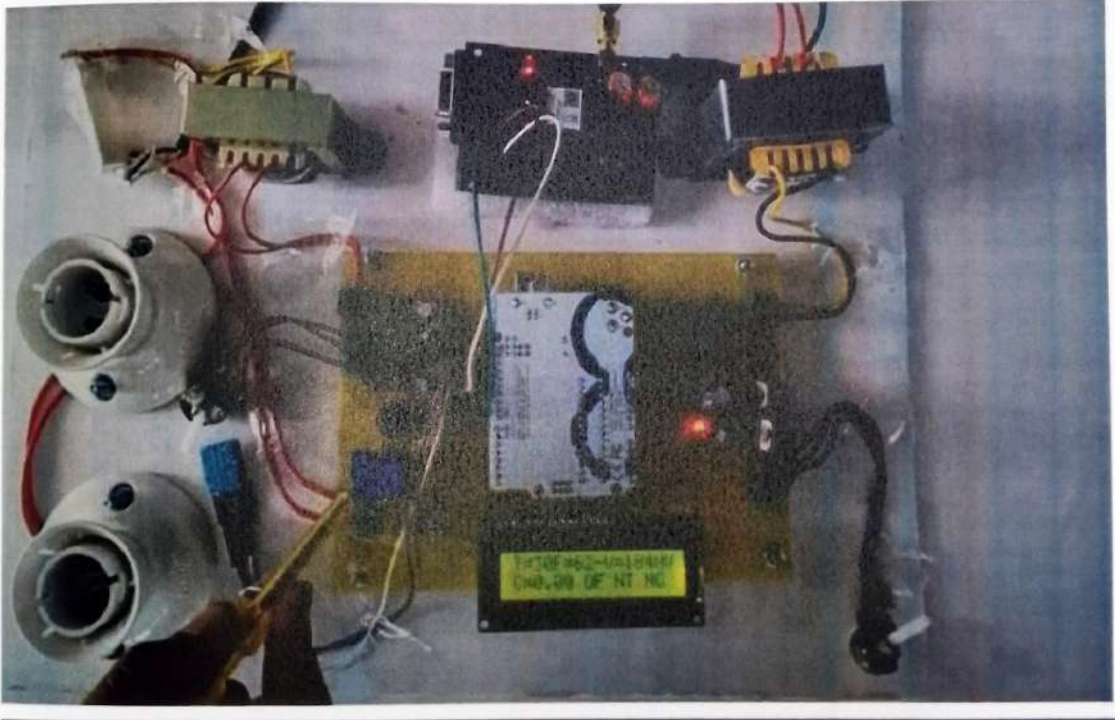
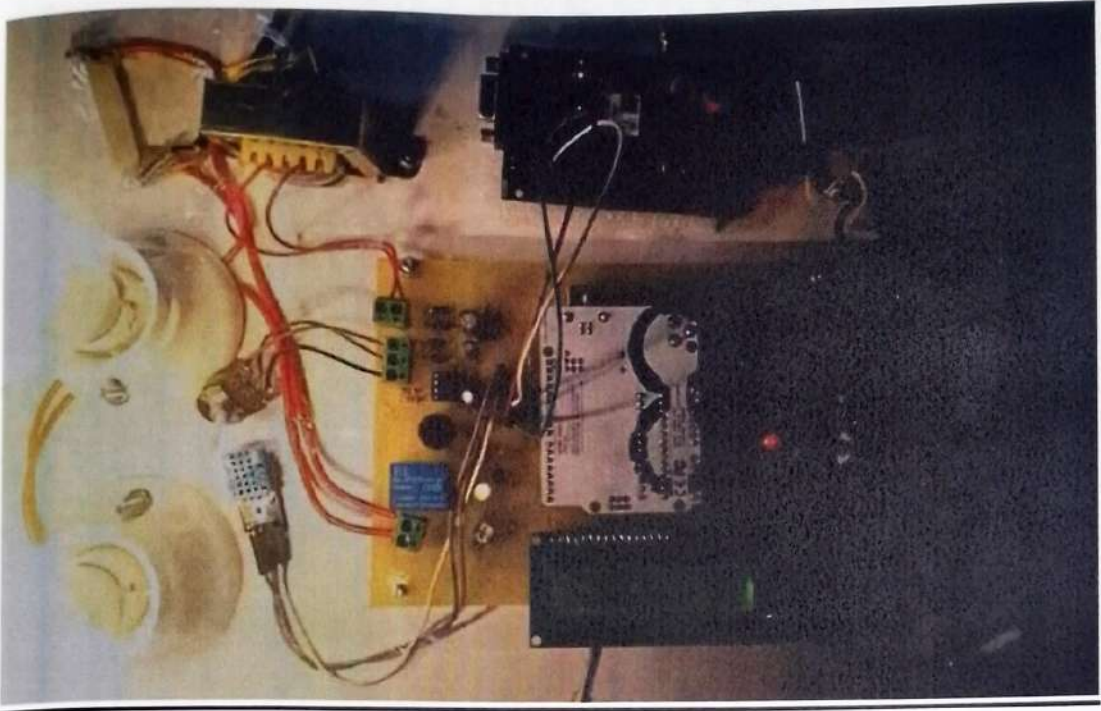
DECLARATION

We **P. Yashvantha, P.Sindhu, Muntazir Ali, Muntazir abid** students of New Horizon College of Engineering hereby declare that this project work entitled “**A Certain Investigation of Distribution Line in Link with substation using GSM Technology**” is an original and bonafide work carried out by me at New Horizon College of Engineering in partial fulfillment of Bachelor of Engineering in Electrical and Electronics Engineering of Visvesvaraya Technological University, Belgaum.

We also declare that, to the best of our knowledge and belief, the work reported here in does not form part of any other thesis or dissertation based on which a degree or award was conferred on an earlier occasion by any student.

P. Yashvantha 1NH18EE407 *yashvantha*
P. Sindhu 1NH19EE083 *Sindhu*
Muntazir Abid 1NH19EE076 *Abid*
Muntazir Ali 1NH19EE077 *Ali*

Photos of the Project





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LIBRARY & INFORMATION CENTRE CERTIFICATE ON PLAGIARISM CHECK

1	NAME OF THE STUDENT	Muntazir Abid Muntazir Ali YASHWANTH.B P SINDHU
2	USN	1NH19EE076 1NH19EE077 1NH18EE407 1NH19EE083
3	Course	UG
4	Department	EEE
5	Mini Projects/Project Reports/ Ph.D Synopsis/ Ph.D Thesis/ Paper Publication (N/I)	Project Phase II Report
6	Title of the Document	ANALYSIS OF DISTRIBUTION LINE IN LINK WITH SUBSTATION USING GSM TECHNOLOGY
7	Similar Content(%)identified	10%
8	Acceptable maximum limit (%) of similarity	25%
9	Date of Verification	06.05.2023
10	Checked by (Name with signature)	Ms.Anitha.A
11	Specific remarks, if any :	No

We have verified the contents as summarized above and certified that the statement made above are true to the best of our knowledge and belief.

Ms.Anitha.A

Plagiarism - Coordinator

Dr. S. Sujitha
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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

20EEE84A Project - Phase II

Report on

**Analysis of electrical parameters for formula style electric
vehicle**

Submitted in the partial fulfilment of the Final Year Project - Phase II

Submitted by

R VARUN 1NH19EE090

RITIKA KAPOOR 1NH19EE093

TEJAS V 1NH19EE116

SHAMBHAVI BHAGAT 1NH19EE104

Under the Guidance of

Dr R MOHAN DAS

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

“Jnana Sangama”, Belgaum: 590018



2022-23



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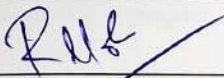
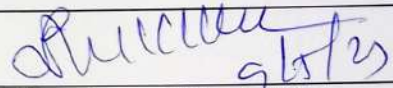
Outer Ring Road, Bellandur, Bengaluru – 560103

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

CERTIFICATE


Certified that the Project work entitled “**Analysis of electrical parameters for formula style electric vehicle**” carried out by R Varun,(1NH19EE090), Ritika Kapoor(1NH19EE093), Tejas V(1NH19EE116) and Shambhavi Bhagat(1NH19EE104) of New Horizon College of Engineering submitted the report in the partial fulfilment for the award of Bachelor of Engineering in **Department of Electrical and Electronics Engineering, New Horizon College of Engineering** of Visvesvaraya Technological University, Belgaum during the Year 2022-23.

It is certified that all the corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for said Degree.

	
Name & Signature of the Project Guide	Name & Signature of Head of the Department
Dr R Mohan Das	Dr. Sujitha S Head of the Department Department of Electrical and Electronics Engineering New Horizon College of Engineering Ring Road, Kadubisanahalli, Bellandur Post. Bangalore - 560103, Karnataka, India

SEMESTER END EXAMINATION


Internal Examiner


External Examiner



ACKNOWLEDGEMENT

I take this opportunity to convey my gratitude to all those who have been kind enough to offer their advice and provide assistance when needed which has led to the successful completion of the project.

We are grateful to the Chairman of New Horizon Educational Institution, **Dr. MOHAN MANGHANI** for providing with infrastructural facilities and many other resources needed for our project. I would like to express my immense gratitude to our principal, **Dr. MANJUNATHA** for motivating us to carry out research in the NHCE and **Dr. SUJITHA.S**, Head of the department for their constant support and motivation that has encouraged me to come up with this project and also for providing the right ambience for carrying out the work and the facilities provided to me.

I express my warm thanks to my project guide **Dr R MOHAN DAS**, Department of Electrical and Electronics Engineering, New Horizon College of Engineering for his skilful guidance, constant supervision, timely suggestion and constructive criticism in successful completion of my project in time.

I wish to thank all the faculty of Electrical and Electronics Engineering department for providing required support throughout the project.

I would like to thank my parents for supporting and helping in the completion of the project.

Last but not the least I would like to thank all my friends without whose support and co-operation the completion of project would not have been possible.

R VARUN 1NH19EE090

RITIKA KAPOOR 1NH19EE093

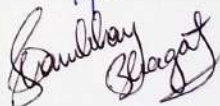
TEJAS V 1NH19EE116

SHAMBHAVI BHAGAT 1NH19EE104

DECLARATION

We, **R Varun(INH19EE090), Ritika Kapoor(INH19EE093), Tejas V(INH19EE116), Shambhavi Bhagat(INH19EE104)**, students of New Horizon College of Engineering hereby declare that this project work entitled "**ANALYSIS OF ELECTRICAL PARAMETERS FOR FORMULA STYLE ELECTRIC VEHICLE**" is an original and bonafide work carried out by me at New Horizon College of Engineering in partial fulfillment of Bachelor of Engineering in Electrical and Electronics Engineering of Visvesvaraya Technological University, Belgaum.

We also declare that, to the best of our knowledge and belief, the work reported herein does not form part of any other thesis or dissertation based on which a degree or award was conferred on an earlier occasion by any student.

R VARUN	1NH19EE090			
RITIKA KAPOOR	1NH19EE093			
TEJAS V	1NH19EE116			
SHAMBHAVI BHAGAT	1NH19EE104			

Submission Information

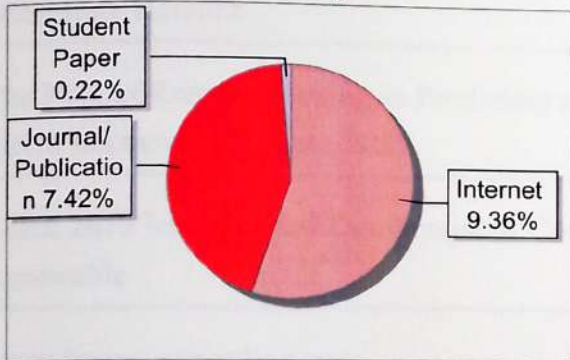
Author Name	Dr. Mohan Das
Title	project
Paper/Submission ID	736386
Submission Date	2023-05-08 21:13:58
Total Pages	16
Document type	Project Work

Result Information

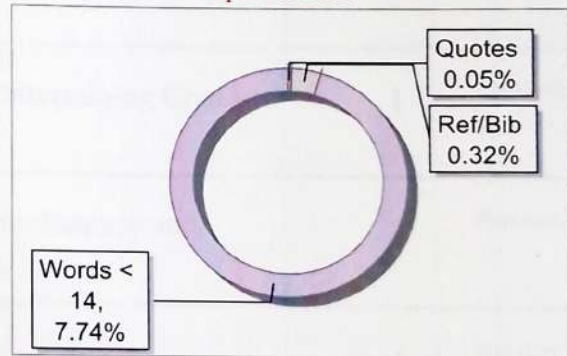
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B-Upgrade (11-40%)
C-Poor (41-60%)
D-Unacceptable (61-100%)

LOCATION	MATCHED DOMAIN	%	SOURCE TYPE
1	qdoc.tips	2	Internet Data
2	www.frontiersin.org	2	Internet Data
3	eejournal.ktu.lt	1	Publication
4	Proceedings Heavy-Duty-, On- und Off-Highway-Motoren 2019 (Zuknftige Herausf	1	Publication
5	The Role of Remote Sensing in Predicting and Determining Coastal Storm Impacts by Klemas-2009	1	Publication
6	IEEE 2019 International Conference of Computer Science and Renewable	1	Publication
7	www.freepatentsonline.com	1	Internet Data
8	brothersjuddblog.com	1	Internet Data
9	byjus.com	1	Internet Data
10	Neutron Pair Distribution Function Study of FePO4 and LiFePO4 by Slawinski-2019	<1	Publication
11	www.electrificationcoalition.org	<1	Publication
12	IEEE 2011 IEEE PES PowerTech - Trondheim - Trondheim (20110619-201	<1	Publication

13	www.mdpi.com	<1	Publication
14	www.freepatentsonline.com	<1	Internet Data
15	www.scoop.it	<1	Internet Data
16	www.freepatentsonline.com	<1	Internet Data
17	agrinfobank.blogspot.com	<1	Internet Data
18	Efficiencies Evaluation of Photocatalytic Paints Under Indoor and Outdoor Air Co by Salvadores-2020	<1	Publication
19	www.amity.edu	<1	Internet Data
20	Effects of road salts on groundwater and surface water dynamics of sodium and ch by Cooper-2014	<1	Publication
21	jxb.oxfordjournals.org	<1	Publication
22	moam.info	<1	Internet Data
23	www.freepatentsonline.com	<1	Internet Data
24	www.govinfo.gov	<1	Internet Data
25	www.nrel.gov	<1	Publication
26	www.texasgateway.org	<1	Internet Data
27	www.cree.com	<1	Internet Data
28	byjus.com	<1	Internet Data
29	byjus.com	<1	Internet Data
30	www.reportsnreports.com	<1	Internet Data
31	Design of position controller of linear pulse motor using neural network	<1	Student Paper

32	docksci.com	<1	Internet Data
33	Hazard and risk perception at Turrialba volcano (Costa Rica) implications for d by va-2014	<1	Publication
34	Notes and Abstracts,- 2003	<1	Publication
35	www.atlantis-press.com	<1	Publication
36	www.freepatentsonline.com	<1	Internet Data
37	www.stunewsnewport.com	<1	Internet Data
38	IEEE 2015 Sixth International Renewable Energy Congress (IREC) - Sou	<1	Publication



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LIBRARY & INFORMATION CENTRE CERTIFICATE ON PLAGIARISM CHECK

1	Name of the Student	R VARUN RITIKA KAPOOR TEJAS V SHAMBHAVI BHAGAT
2	USN	1NH19EE090 1NH19EE093 1NH19EE116 1NH19EE104
3	Course	UG
4	Department	EEE
5	Mini Projects/Project Reports/ Ph.D Synopsis/ Ph.D Thesis/ Paper Publication (N/I)	Final Year Project Phase-II
6	Title of the Document	Analysis of Electrical Parameters for Electric Vehicle
7	Similar Content(%)identified	17%
8	Acceptable maximum limit (%) of similarity	25%
9	Date of Verification	08.05.2023
10	Checked by (Name with signature)	Mr. D Kodandapani
11	Specific remarks, if any :	No

We have verified the contents as summarized above and certified that the statement made above are true to the best of our knowledge and belief.

Mr. D Kodandapani
Plagiarism - Coordinator

Dr. Sujitha S
HOD - EEE

Head of the Department
Department of Electrical and Electronics Engineering
New Horizon College of Engineering
Ring Road, Kadubisanahalli, Bellandur Post,
Bangalore - 560103, Karnataka, India

20EEE84A Project - Phase II

PROJECT IMAGES

PROJECT TITLE: Analysis of electrical parameters for formula style electric vehicle.

R VARUN

1NH19EE090

RITIKA KAPOOR

1NH19EE093

TEJAS V

1NH19EE116

SHAMBHAVI BHAGAT

1NH19EE104

Under the Guidance of

Dr R MOHAN DAS





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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

20EEE84A Project - Phase II

Report on

ARTIFICIAL INTELLIGENCE BASED SELF-DRIVING CAR USING ROBOTIC MODEL

Submitted in the partial fulfilment of the Final Year Project - Phase II

Submitted by

P RAVI NANDAN	1NH19EE083
VINOD KUMAR R	1NH19EE123
W Y JHANSIPRIYA	1NH19EE125
YANNAM ROOPESWAR REDDY	1NH19EE127

Under the Guidance of

Ms. SURAT PYARI ATTI

Assistant Professor

&

Dr. S. SUJITHA

Associate Professor & Head i/c, EEE, NHCE

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

“Jnana Sangama”, Belgaum: 590018





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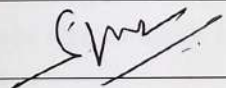
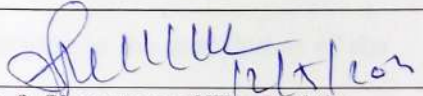
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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

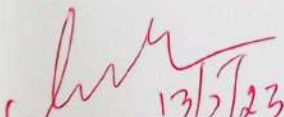
CERTIFICATE

Certified that the Project work entitled “**Artificial Intelligence based self-driving car using robotic model**” carried out by **P Ravi Nandan(1NH19EE083), Vinod Kumar R(1NH19EE123), W Y Jhansipriya(1NH19EE125), Yannm Roopeswar Reddy(1NH19EE127)** Bonafide Student(s) of New Horizon College of Engineering submitted the report in the partial fulfilment for the award of Bachelor of Engineering in **Department of Electrical and Electronics Engineering, New Horizon College of Engineering** of Visvesvaraya Technological University, Belgaum during the Year 2022-23.

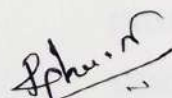
It is certified that all the corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for said Degree.

	
Name & Signature of the Project Guide	Name & Signature of Head of the Department
Ms. Surat Pyari Atti	Dr. Sujitha.S

SEMESTER END EXAMINATION


13/12/23
Internal Examiner




External Examiner
Dr. Raghun
Jain university

20EEE84A Project - Phase II

ACKNOWLEDGEMENT

I take this opportunity to convey my gratitude to all those who have been kind enough to offer their advice and provide assistance when needed which has led to the successful completion of the project.

We are grateful to the Chairman of New Horizon Educational Institution, **Dr. MOHAN MANGHNANI** for providing with infrastructural facilities and many other resources needed for our project. I would like to express my immense gratitude to our principal, **Dr. MANJUNATHA** for motivating us to carry out research in the NHCE and **Dr. SUJITHA.S**, Head of the department for their constant support and motivation that has encouraged me to come up with this project and also for providing the right ambience for carrying out the work and the facilities provided to me.

I express my warm thanks to my project guide **Ms. SURAT PYARI ATTI**, Department of Electrical and Electronics Engineering, New Horizon College of Engineering for his/her skilful guidance, constant supervision, timely suggestion and constructive criticism in successful completion of my project in time.

I wish to thank all the faculty of Electrical and Electronics Engineering department for providing required support throughout the project.

I would like to thank my parents for supporting and helping in the completion of the project.

Last but not the least I would like to thank all my friends without whose support and co-operation the completion of project would not have been possible.

P RAVI NANDAN

1NH19EE083

VINOD KUMAR R

1NH19EE123

W Y JHANSIPRIYA

1NH19EE125

YANNAM ROOPESWAR REDDY

1NH19EE127

DECLARATION

We, **P Ravi Nandan(INH19EE083), Vinod Kumar R(INH19EE123), W Y Jhansipriya(INH19EE125), Yannam Roopeswar Reddy(INH19EE127)**, students of New Horizon College of Engineering hereby declare that this project work entitled "**ARTIFICIAL INTELLIGENCE BASED SELF-DRIVING CAR USING ROBOTIC MODEL**" is an original and bonafide work carried out by me at New Horizon College of Engineering in partial fulfillment of Bachelor of Engineering in Electrical and Electronics Engineering of Visvesvaraya Technological University, Belgaum.

We also declare that, to the best of our knowledge and belief, the work reported herein does not form part of any other thesis or dissertation based on which a degree or award was conferred on an earlier occasion by any student.

P RAVI NANDAN	[INH19EE083]
VINOD KUMAR R	[INH19EE123]
W Y JHANSIPRIYA	[INH19EE125]
YANNAM ROOPESWAR REDDY	[INH19EE127]

PROJECT IMAGES

PROJECT TITLE: ARTIFICIAL INTELLIGENCE BASED SELF-DRIVING CAR USING ROBOTICS MODEL

P RAVI NANDAN

1NH19EE083

VINOD KUMAR R

1NH19EE123

W Y JHANSIPRIYA

1NH19EE125

YANNAM ROOPESWAR REDDY

1NH19EE127

Under the Guidance of

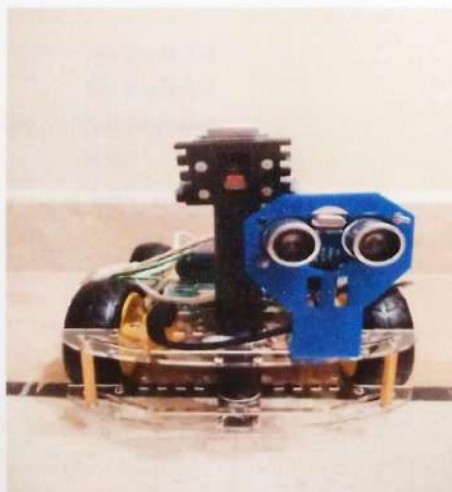
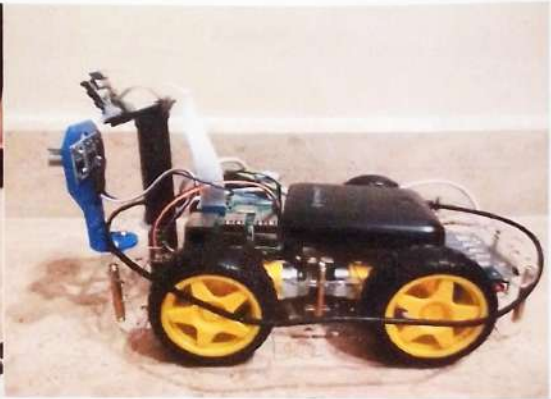
Ms. SURAT PYARI ATTI

Assistant Professor

&

Dr. S. SUJITHA

Associate Professor & Head i/c, EEE, NHCE



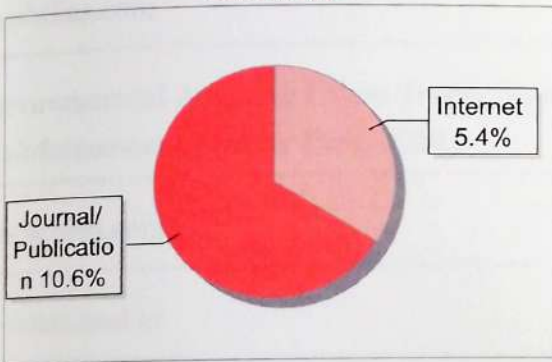
Submission Information

Author Name: Surat mam
Title: Artificial Intelligence based
Paper/ Submission ID: 733262
Submission Date: 2023-05-05 11:38:15
Total Pages: 21
Document type: Others

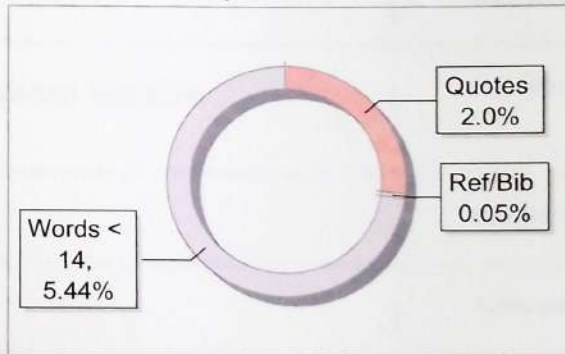
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GRADE

A-Satisfactory (0-10%)
B-Upgrade (11-40%)
C-Poor (41-60%)
D-Unacceptable (61-100%)

LOCATION	MATCHED DOMAIN	%	SOURCE TYPE
1	www.dx.doi.org	5	Publication
2	qdoc.tips	1	Internet Data
3	Coarse predictions of dipole reversals by low-dimensional modeling and by Morzfeld-2016	1	Publication
4	drishtias.com	1	Internet Data
5	Environmental Adaptive Urban Traffic Signal Control Based on Reinforcement Learn by Feng-2020	1	Publication
6	www.grin.com	1	Internet Data
7	revistas.usal.es	1	Publication
8	ijircce.com	1	Publication
9	www.veritasetvisus.com	1	Internet Data
10	forums2.battleon.com	<1	Internet Data
11	managementhelp.org	<1	Internet Data
12	moam.info	<1	Internet Data
13	Occupational urticaria from welding polyurethane by Kanerva-1991	<1	Publication

14	www.colonialsubaruct.com	<1	Internet Data
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2	USN	1NH19EE083 1NH19EE123 1NH19EE125 1NH19EE127
3	Course	UG
4	Department	EEE
5	Mini Projects/Project Reports/ Ph.D Synopsis/ Ph.D Thesis/ Paper Publication (N/I)	Final Year Project Phase-II
6	Title of the Document	ARTIFICIAL INTELLIGENCE BASED SELF DRIVING CAR USING ROBOTIC MODEL
7	Similar Content(%)identified	16%
8	Acceptable maximum limit (%) of similarity	25%
9	Date of Verification	07.05.2023
10	Checked by (Name with signature)	Mr. D Kodandapani
11	Specific remarks, if any :	No

We have verified the contents as summarized above and certified that the statement made above are true to the best of our knowledge and belief.

Mr. D Kodandapani
Plagiarism - Coordinator

12/5/23

Dr. Sujitha S
HOD - EEE
Department of Electrical and Electronics Engineering
New Horizon College of Engineering
Ring Road, Kadubisanahalli, Bellandur Post,
Bangalore - 560103, Karnataka, India



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

20EEE83A Project - Phase II

Report on

Battery Management System of Electric Vehicle

Submitted in the partial fulfilment of the Final Year Project - Phase II

Submitted by:

**SHAIF ALAM
SWASTIK SHUKLA
ZAHRA GOHER SULTANA**

**1NH19EE102
1NH19EE113
1NH19EE0129**

UNDER THE GUIDANCE OF
PROF. KARTHEEK VANAKDARA

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

“Jnana Sangama”, Belgaum: 590018



2022-2023



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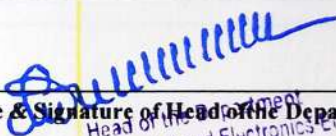
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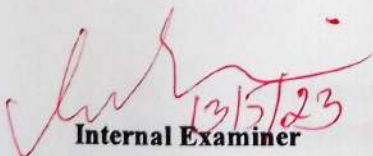
CERTIFICATE

Certified that the Project work entitled **“Battery Management System of Electric Vehicle”** carried out by Shaif alam(1NH19EE102) ,Swastik shukla (1NH19EE113) and Zahra Goher Sultana (1NH19EE129 bonafide Student(s) of New Horizon College of Engineering submitted thereport in the partial fulfilment for the award of Bachelor of Engineering in **Department of Electrical and Electronics Engineering, New Horizon College of Engineering** of Visvesvaraya Technological University, Belgaum during the Year 2022-23.

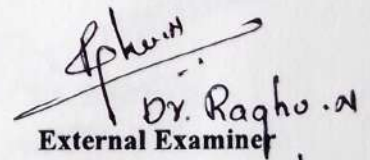
It is certified that the report submitted in the department library contains all revisions and suggestions identified for internal assessment. The project report has been authorized because it complies with the academic standards for project work required for the Degree.

	
Name & Signature of the Project Guide	Name & Signature of Head of the Department
Prof. KARTHEEK VANKADARA	Dr. SUNITA SAHALLI Department of Electrical and Electronics Engineering New Horizon College of Engineering Ring Road, Raddi Sahalli, Bellandur Post. Bangalore - 560103, Karnataka, India

SEMESTER END EXAMINATION


13/5/23
Internal Examiner




Dr. Raghu .a
External Examiner
Jain university



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LIBRARY & INFORMATION CENTRE CERTIFICATE ON PLAGIARISM CHECK

1	Name of the Student	Shaif Alam Swastik Shukla Zahra Goher Sultana
2	USN	1NH19EE102 1NH19EE113 1NH19EE129
3	Course	UG
4	Department	EEE
5	Mini Projects/Project Reports/ Ph.D Synopsis/ Ph.D Thesis/ Paper Publication (N/I)	Final Year Project Phase-II
6	Title of the Document	Battery management system of a EV vehicle
7	Similar Content(%)identified	10%
8	Acceptable maximum limit (%) of similarity	25%
9	Date of Verification	12.05.2023
10	Checked by (Name with signature)	Mr. D Kodandapani
11	Specific remarks, if any :	No

We have verified the contents as summarized above and certified that the statement made above are true to the best of our knowledge and belief.

Mr. D Kodandapani
Plagiarism - Coordinator

Dr. Sujitha S

HOD - EEE
Head of the Department

Department of Electrical and Electronics Engineering
New Horizon College of Engineering
Ring Road, Kadubisanahalli, Bellandur Post.
Bangalore - 560103, Karnataka, India

Submission Information

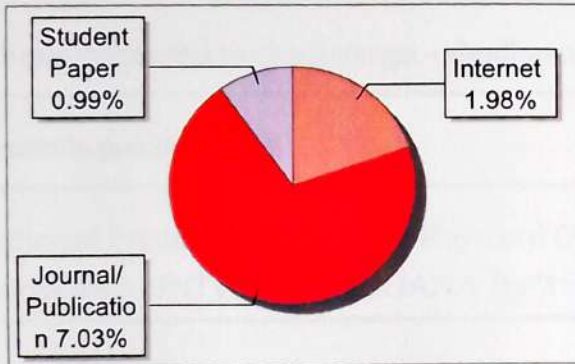
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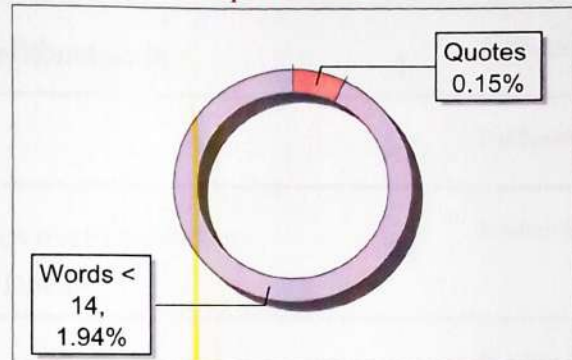
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GRADE

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B-Upgrade (11-40%)
C-Poor (41-60%)
D-Unacceptable (61-100%)

LOCATION	MATCHED DOMAIN	%	SOURCE TYPE
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3	dspace.cusat.ac.in	1	Internet Data
4	dspace.daffodilvarsity.edu.bd 8080	1	Publication
5	Thesis submitted to shodhganga - shodhganga.inflibnet.ac.in	1	Publication
6	journals.pen2print.org	<1	Publication
7	Efficient Prediction of Difficult Keyword Queries over Databases - Submitted to JNTUH,TELANGANA By '15D01D5814'	<1	Student Paper
8	www.claconference.ca	<1	Internet Data
9	ijirce.com	<1	Publication
10	astesj.com	<1	Publication
11	QUALITY AND MEMORY GREEN CLONE IDENTIFICATION IN REMOTE SENSOR SYSTEMS -Submitted to JNTUH,TELANGANA By 15271D0506	<1	Student Paper
12	Thesis Submitted to Shodhganga, shodhganga.inflibnet.ac.in	<1	Publication
13	www.ijareeie.com	<1	Publication

14	On the dark side of strategic sourcing Experiences from the aerospace industry by Rossetti-2005	<1	Publication
15	EFFICIENT AND EXPRESSIVE KEYWORD SEARCH OVER ENCRYPTED DATA IN CLOUD BY 18Q91D5807 YR-2021, JNTU	<1	Student Paper
16	Thesis Submitted to Shodhganga Repository	<1	Publication
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19	IEEE 2020 11th International Conference on Computing, Communication and Networ	<1	Publication
20	ijarsct.co.in	<1	Publication
21	wireilla.com	<1	Publication
22	A system to test the effect of materials on electron drift lifetime in liquid ar by R-2009	<1	Publication
23	Catalogue and typifications of new taxa of vascular plants described by Finnish by Vre-2012	<1	Publication
24	chocolate-soulmate.cz	<1	Internet Data
25	docplayer.net	<1	Internet Data
26	gecgudlavalleru.ac.in	<1	Publication
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28	avxlive.icu	<1	Internet Data
29	qdoc.tips	<1	Internet Data
30	www.sciencegate.app	<1	Internet Data

20EEE84A Project - Phase II

ACKNOWLEDGEMENT

I would like to take this opportunity to express my appreciation to everyone who was so nice as to provide their suggestions and help, when necessary, which enabled the project to be completed successfully.

We grateful to the Chairman of New Horizon Educational Institution, **Dr. MOHAN MANGHNANI** for providing with infrastructural facilities and many other resources needed for our project. I would like to express my immense gratitude to our principal, **Dr. MANJUNATHA** for motivating us to carry out research in the NHCE and **Dr. SUJITHA S.**, Head of the department for providing the ideal environment for carrying out the work and the facilities supplied to me, as well as for their ongoing encouragement and support, which inspired me to develop this project.

I would like to extend my sincere gratitude to my project advisor **Prof. KARTHEEK VANKADARA** of the Department of Electrical and Electronics Engineering at the New Horizon College of Engineering for her expert direction, persistent monitoring, timely suggestions, and constructive criticism that helped me successfully complete my project on schedule.

I want to thank the entire faculty in the department of electrical and electronic engineering for their assistance with the project.

I want to express my gratitude to my parents for their support and assistance in getting the project finished.

Finally, I'd want to express my gratitude to all my friends, without whose help and cooperation the project's completion would not have been possible.

SHAIF ALAM **1NH19EE102**

SWASTIK SHUKLA **1NH19EE113**

ZAHRA GOHER SULTANA **1NH19EE129**

20EEE84A Project - Phase II

DECLARATION

We, **SHAIF ALAM-1NH19EE102**, **SWASTIK SHUKLA-1NH19EE113**, **ZAHRA GOHER SULTANA-1NH19EE129** students of New Horizon College of Engineering hereby declare that this project work entitled "Battery Management System of Electric Vehicle" is a genuine and authentic work that I completed at New Horizon College of Engineering as a requirement for my Electrical and Electronics Engineering Bachelor of Engineering degrees from Visvesvaraya Technological University, Belgaum.

We further declare that, to the best of our knowledge and belief, the work reported here does not constitute a portion of any prior thesis or dissertation that constituted the basis for any degree or award previously granted to any student.

SHAIF ALAM	1NH19EE102	[]
SWASTIK SHUKLA	1NH19E113	[]
ZAHRA GOHER SULTANA	1NH19EE129	[]

20EEE84A Project - Phase II

PROJECT IMAGES

PROJECT TITLE: BATTERY MANAGEMENT SYSTEM OF ELECTRIC VEHICLE

SHAIF ALAM

1NH19EE102

SWASTIK SHUKLA

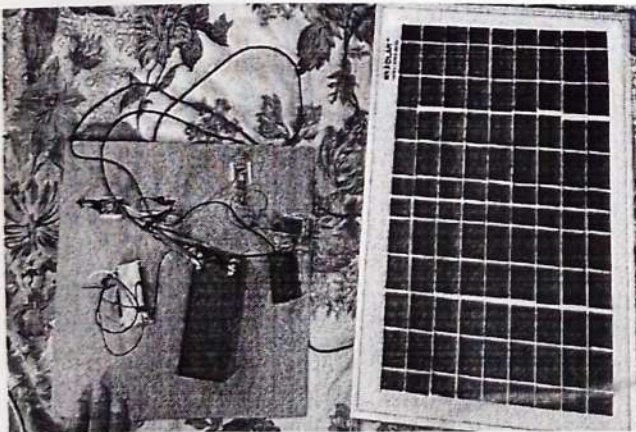
1NH19EE113

ZAHRA GOHER SULTANA

1NH19EE129

Under the Guidance of

Prof. KARTHEEK VANKADARA



HARDWARE OUPUT



SOFTWARE OUTPUT



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Outer Ring Road, Bellandur, Bengaluru – 560103

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

20EEE84A Project - Phase II

Report on

**COMBAT SURVEILLANCE DRONE FOR RESCUE
MANAGEMENT AND MILITARY SECURITY USING
ARTIFICIAL INTELLIGENCE**

Submitted in the partial fulfilment of the Final Year Project - Phase II

Submitted by

SANSKRITI AGARWALLA 1NH19EE097

SHAIK SAMEER 1NH19EE103

SHARMI KANAUIA 1NH19EE106

TABASUM MANZOOR 1NH19EE114

Under the Guidance of

Prof. Soumya K V

&

Dr. S. Sujitha

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

“Jnana Sangama”, Belgaum: 590018



2022-23



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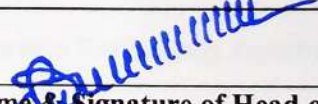
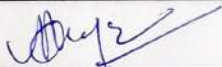
Outer Ring Road, Bellandur, Bengaluru – 560103

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

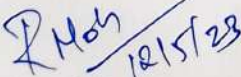
CERTIFICATE

Certified that the Project work entitled **“COMBAT SURVEILLANCE DRONE FOR RESCUE MANAGEMENT AND MILITARY SECURITY USING ARTIFICIAL INTELLIGENCE”** carried out by Sanskriti Agarwalla (1NH19EE097), Sharmi Kanaujia (1NH19EE106), Shaik Sameer (1NH19EE103), Tabasum Manzoor (1NH19EE114), Bonafide Students of New Horizon College of Engineering submitted the report in the partial fulfilment for the award of Bachelor of Engineering in **Department of Electrical and Electronics Engineering, New Horizon College of Engineering** of Visvesvaraya Technological University, Belgaum during the Year 2022-23.

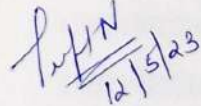
It is certified that all the corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for said Degree.

	
Name & Signature of the Project Guide	Name & Signature of Head of the Department
Prof. Soumya K V 	Dr. Smitha S Head of the Department Department of Electrical and Electronics Engineering New Horizon College of Engineering Ring Road, Kadubisanahalli, Bellandur Post. Bangalore - 560103, Karnataka, India

SEMESTER END EXAMINATION


12/15/23
Internal Examiner
Dr. R. Mohan Das




12/15/23
External Examiner
De Tejsh V N

ACKNOWLEDGEMENT

I take this opportunity to convey my gratitude to all those who have been kind enough to offer their advice and provide assistance when needed which has led to the successful completion of the project.

We are grateful to the Chairman of New Horizon Educational Institution, **Dr. MOHAN MANGHNANI** for providing with infrastructural facilities and many other resources needed for our project. I would like to express my immense gratitude to our principal **Dr. MANJUNATHA** for motivating us to carry out research in the NHCE and **Dr. SUJITHA.S**, Head of the department for their constant support and motivation that has encouraged me to come up with this project and also for providing the right ambience for carrying out the work and the facilities provided to me.

I express my warm thanks to my project guide **Prof. Soumya K V** and **Dr. Sujitha.S**, Department of Electrical and Electronics Engineering, New Horizon College of Engineering for their skilful guidance, constant supervision, timely suggestion and constructive criticism in successful completion of my project in time.

I wish to thank all the faculty of Electrical and Electronics Engineering department for providing required support throughout the project.

I would like to thank my parents for supporting and helping in the completion of the project.

Last but not the least I would like to thank all my friends without whose support and co-operation the completion of project would not have been possible.

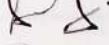

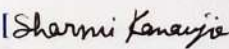
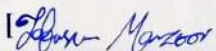
SANSKRITI AGARWALLA	1NH19EE097
SHAIK SAMEER	1NH19EE103
SHARMI KANAUIA	1NH19EE106
TABASUM MANZOOR	1NH19EE114

20EEE84A Project - Phase II

DECLARATION

We, **Sanskriti Agarwalla (INH19EE097), Sharmi Kanaujia (INH19EE106), Shaik Sameer (INH19EE103), Tabasum Manzoor (INH19EE114)**, students of New Horizon College of Engineering hereby declare that this project work entitled "COMBAT SURVEILLANCE DRONE FOR RESCUE MANAGEMENT AND MILITARY SECURITY USING ARTIFICIAL INTELLIGENCE" is an original and bonafide work carried out by me at New Horizon College of Engineering in partial fulfillment of Bachelor of Engineering in Electrical and Electronics Engineering of Visvesvaraya Technological University, Belgaum.

We also declare that, to the best of our knowledge and belief, the work reported herein does not form part of any other thesis or dissertation based on which a degree or award was conferred on an earlier occasion by any student.

SANSKRITI AGARWALLA	INH19EE097	[]
SHAIK SAMEER	INH19EE103	[]
SHARMI KANAUIA	INH19EE106	[]
TABASUM MANZOOR	INH19EE114	[]



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LIBRARY & INFORMATION CENTRE CERTIFICATE ON PLAGIARISM CHECK

1	Name of the Student	SANSKRITI AGARWALLA SHAIK SAMEER SHARMI KANAUJIA TABASUM MANZOOR
2	USN	1NH19EE097 1NH19EE103 1NH19EE106 1NH19EE114
3	Course	UG
4	Department	EEE
5	Mini Projects/Project Reports/ Ph.D Synopsis/ Ph.D Thesis/ Paper Publication (N/I)	Final Year Project Phase-II
6	Title of the Document	COMBAT SURVEILLANCE DRONE FOR RESCUE MANAGEMENT AND MILITARY SECURITY USING ARTIFICIAL INTELLIGENCE
7	Similar Content(%)identified	8%
8	Acceptable maximum limit (%) of similarity	25%
9	Date of Verification	09.05.2023
10	Checked by (Name with signature)	Mr. D Kodandapani
11	Specific remarks, if any :	No

We have verified the contents as summarized above and certified that the statement made above are true to the best of our knowledge and belief.

Mr. D Kodandapani
Plagiarism - Coordinator

Dr. Sujitha S
Department of Electronics Engineering
HOD - EEE
New Horizon College of Engineering
Ring Road, Kadubisanahalli, Bellur Post,
Bangalore - 560103, Karnataka, India


Certificate issued at the Organization where the project was carried out

NEW HORIZON COLLEGE OF ENGINEERING

Outer Ring Road, Bellandur, Bengaluru – 560103

CERTIFICATE

Certified that the Final Year Project Phase-I work entitled "**COMBAT SURVEILLANCE DRONE FOR RESCUE MANAGEMENT AND MILITARY SECURITY USING ARTIFICIAL INTELLIGENCE**" carried out by SANSKRITIAGARWALLA (1NH19EE097), SHAIK SAMEER(1H19EE103), SHARMI KANAUIA(1NH19EE106), TABASUM MANZOOR (1NH19EE114) a bonafide student of New Horizon College of Engineering in partial fulfillment for the award of **Bachelor of Engineering** in Electrical and Electronics Engineering of the Visveswaraiah Technological University, Belgaum during the year 2022-2023. It is certified that he/she has completed the project satisfactorily.

Soumya K. V


Name & Signature of the

Guide

Name & Signature of the

Head of organization

20EEE84A Project - Phase II

PROJECT IMAGES

**PROJECT TITLE: COMBAT SURVEILLANCE DRONE FOR RESCUE
MANAGEMENT AND MILITARY SECURITY USING ARTIFICIAL INTELLIGENCE**

SANSKRITI AGARWALLA 1NH19EE097

SHAIK SAMEER 1NH19EE103

SHARMI KANAUJIA 1NH19EE106

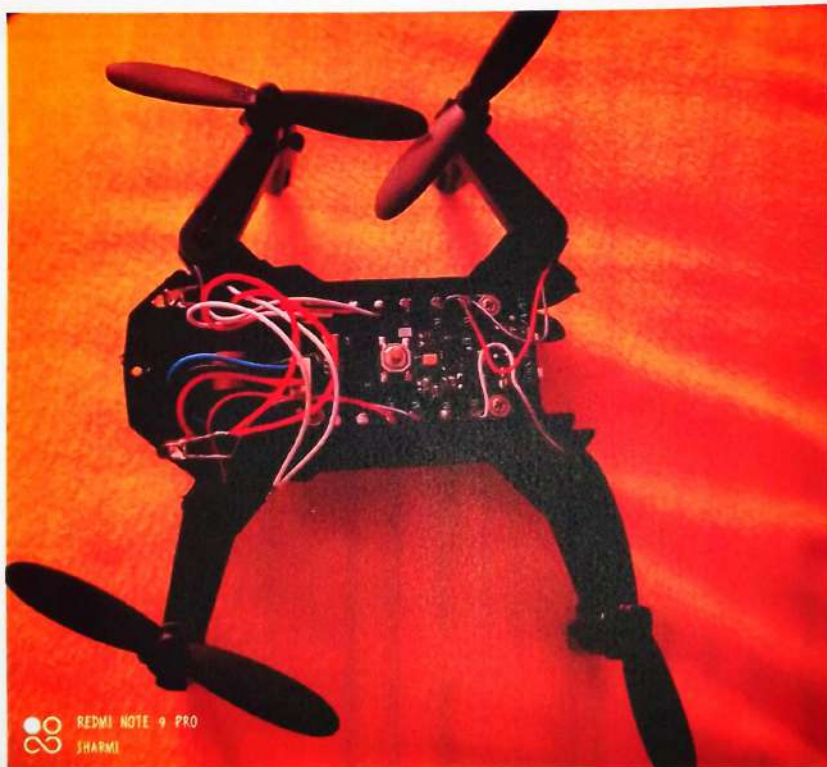
TABASUM MANZOOR 1NH19EE114

Under the Guidance of

Prof. SOUMYA KV

&

Dr. Sujitha S





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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

20EEE84A Project - Phase II

Report on

Developing EV by means of pedaling the stationary vehicle

Submitted in the partial fulfilment of the Final Year Project - Phase II

Submitted by

Meghana S 1NH19EE073

Santhosh Kummi 1NH19EE099

Suraj Raju Jadhav 1NH19EE110

U Mohammed Arshad 1NH19EE120

Under the Guidance of
Prof. Pooja Jose

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

“Jnana Sangama”, Belgaum: 590018



2022-23



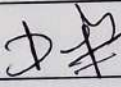

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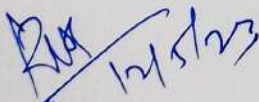
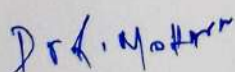
CERTIFICATE

Certified that the Project work entitled **“Developing EV by means of pedalling the stationary vehicle”** carried out by Meghana S 1NH19EE073, Santhosh Kummi 1NH19EE099, Suraj Raju Jadhav 1NH19EE110, U Mohammed Arshad 1NH19EE120 Bonafide Student(s) of New Horizon College of Engineering submitted the report in the partial fulfilment for the award of Bachelor of Engineering in **Department of Electrical and Electronics Engineering, New Horizon College of Engineering** of Visvesvaraya Technological University, Belgaum during the Year 2022-23.

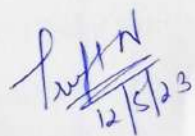
It is certified that all the corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for said Degree.

	 Department of Electrical and Electronics Engineering New Horizon College of Engineering Ring Road, Kaduganahalli, Bellandur, Bengaluru - 560103, Karnataka
Name & Signature of the Project Guide	Name & Signature of Head of the Department
Prof. Pooja Jose	Dr. Sujitha S

SEMESTER END EXAMINATION


Internal Examiner





External Examiner
De Teupri V N

20EEE84A Project - Phase II

ACKNOWLEDGEMENT

I take this opportunity to convey my gratitude to all those who have been kind enough to offer their advice and provide assistance when needed which has led to the successful completion of the project.

We are grateful to the Chairman of New Horizon Educational Institution, **Dr. MOHAN MANGHNANI** for providing with infrastructural facilities and many other resources needed for our project. I would like to express my immense gratitude to our principal, **Dr. MANJUNATHA** for motivating us to carry out research in the NHCE and **Dr. SUJITHA.S**, Head of the department for their constant support and motivation that has encouraged me to come up with this project and also for providing the right ambience for carrying out the work and the facilities provided to me.

I express my warm thanks to my project guide Prof. Pooja Jose, Department of Electrical and Electronics Engineering, New Horizon College of Engineering for her skilful guidance, constant supervision, timely suggestion and constructive criticism in successful completion of my project in time.

I wish to thank all the faculty of Electrical and Electronics Engineering department for providing required support throughout the project.

I would like to thank my parents for supporting and helping in the completion of the project.

Last but not the least I would like to thank all my friends without whose support and co-operation the completion of project would not have been possible.

Meghana S 1NH19EE073

Santhosh Kummi 1NH19EE099

Suraj Raju Jadhav 1NH19EE110

U Mohammed Arshad 1NH19EE120

DECLARATION

We, **Meghana S INH19EE073, Santhosh Kummi INH19EE099, Suraj Raju Jadhav INH19EE110, U Mohammed Arshad INH19EE120**, students of New Horizon College of Engineering hereby declare that this project work entitled “**Developing EV by means of pedaling the stationary vehicle**” is an original and bonafide work carried out by me at New Horizon College of Engineering in partial fulfillment of Bachelor of Engineering in Electrical and Electronics Engineering of Visvesvaraya Technological University, Belgaum.

We also declare that, to the best of our knowledge and belief, the work reported herein does not form part of any other thesis or dissertation based on which a degree or award was conferred on an earlier occasion by any student.

Meghana S	INH19EE073	[<i>Meghana.s</i>]
Santhosh Kummi	INH19EE099	[<i>Santhosh</i>]
Suraj Raju Jadhav	INH19EE110	[<i>Suraj</i>]
U Mohammed Arshad	INH19EE120	[<i>U Arshad</i>]

Submission Information

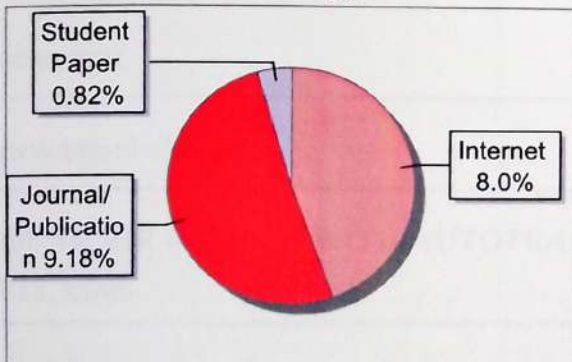
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Title	Project
Paper/Submission ID	735274
Submission Date	2023-05-08 09:34:39
Total Pages	42
Document type	Project Work

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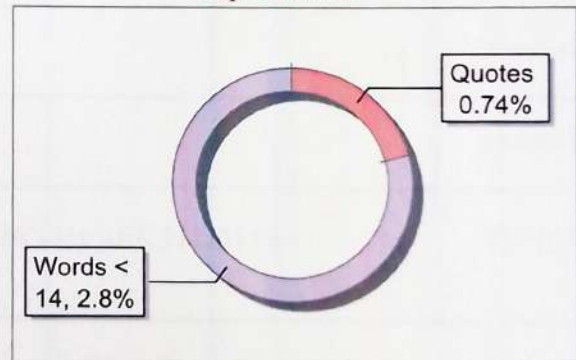
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37	IEEE 2017 International Conference on Frontiers of Information Tech, by Abbas, Malik Qamar- 2017	<1	Publication



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LIBRARY & INFORMATION CENTRE CERTIFICATE ON PLAGIARISM CHECK

1	Name of the Student	MEGHANA S SANTHOSH KUMMI SURAJ RAJU JADHAV U MOHAMMED ARSHAD
2	USN	1NH19EE073 1NH19EE099 1NH19EE110 1NH19EE120
3	Course	UG
4	Department	EEE
5	Mini Projects/Project Reports/ Ph.D Synopsis/ Ph.D Thesis/ Paper Publication (N/I)	Project Phase II Report
6	Title of the Document	DEVELOPING EV BY MEANS OF PEDALING STATIONARY VEHICLE
7	Similar Content(%)identified	18%
8	Acceptable maximum limit (%) of similarity	25%
9	Date of Verification	08.05.2023
10	Checked by (Name with signature)	Ms.Anitha.A
11	Specific remarks, if any :	No

We have verified the contents as summarized above and certified that the statement made above are true to the best of our knowledge and belief.

Ms.Anitha.A

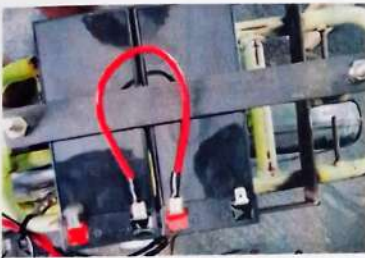
Plagiarism - Coordinator

Head of the Department
Department of Electrical and Electronic Engineering
New Horizon College of Engineering
Ring Road, Kalasahalli, Bellandur Pos.
Bangalore - 560103, Karnataka, India

Dr. S. Sujitha

HOD - EEE

20EEE84A Project - Phase II
PROJECT IMAGES



PROJECT TITLE: Developing EV by means of pedaling the stationary vehicle

Meghana S 1NH19EE073

Santhosh Kummi 1NH19EE099

Suraj Raju Jadhav 1NH19EE110

U Mohammed Arshad 1NH19EE120

Under the Guidance of
Prof. Pooja Jose



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Outer Ring Road, Bellandur, Bengaluru – 560103

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

20EEE84A Project - Phase II

Report on

GEASTURE CONTROL EV

Submitted in the partial fulfilment of the Final Year Project - Phase II

Submitted by

MOHAMMAD SHAWALI1NH19EE074

POOJITH N 1NH19EE087

VYAS KODGE 1NH19EE124

Y PUNITH 1NH19EE126

Under the Guidance of

Dr./Prof. Ms.Gunapriya.B

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

“Jnana Sangama”, Belgaum: 590018



2022-23



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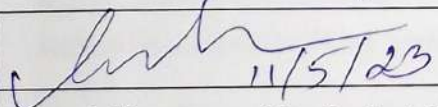
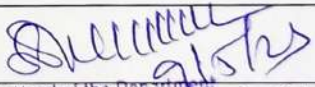
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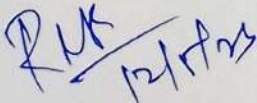
CERTIFICATE

Certified that the Project work entitled “**GESTURE CONTROL EV**” carried out by **MOHAMMAD SHAWALI (INH19EE074), POOJITH N(INH19EE087), VYAS KODGE (INH19EE124), Y PUNITH (INH19EE126)** Bonafide Student(s) of New Horizon College of Engineering submitted the report in the partial fulfillment for the award of Bachelor of Engineering in **Department of Electrical and Electronics Engineering, New Horizon College of Engineering** of Visvesvaraya Technological University, Belgaum during the Year 2022-23.

It is certified that all the corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for said Degree.

 11/5/23	 11/5/23
Name & Signature of the Project Guide	Name & Signature of Head of the Department
Dr.Gunapriya.B	Dr.Sunitha.S New Horizon College of Engineering Ring Road, Kadubisanahalli, Bellandur Post. Bangalore - 560103, Karnataka, India

SEMESTER END EXAMINATION


12/5/23

Internal Examiner

Dr.A.M. ...




12/5/23

External Examiner

Dr. Truphi V N

20EEE84A Project - Phase II

ACKNOWLEDGEMENT

I take this opportunity to convey my gratitude to all those who have been kind enough to offer their advice and provide assistance when needed which has led to the successful completion of the project.

We are grateful to the Chairman of New Horizon Educational Institution, **Dr. MOHAN MANGHNANI** for providing with infrastructural facilities and many other resources needed for our project. I would like to express my immense gratitude to our principal, **Dr. MANJUNATHA** for motivating us to carry out research in the NHCE and **Dr. SUJITHA.S**, Head of the department for their constant support and motivation that has encouraged me to come up with this project and also for providing the right ambience for carrying out the work and the facilities provided to me.

I express my warm thanks to my project guide **Dr. Gunapriya.B**, Department of Electrical and Electronics Engineering, New Horizon College of Engineering for his/her skilful guidance, constant supervision, timely suggestion and constructive criticism in successful completion of my project in time.

I wish to thank all the faculty of Electrical and Electronics Engineering department for providing required support throughout the project.

I would like to thank my parents for supporting and helping in the completion of the project.

Last but not the least I would like to thank all my friends without whose support and co-operation the completion of project would not have been possible.

MOHAMMAD SHAWALI 1NH19EE074

POOJITH N 1NH19EE087

VYAS KODGE 1NH19EE124

Y PUNITH 1NH19EE126

20EEE84A Project - Phase II

DECLARATION

We, **Mohammad Shawali (1NH19EE074), Poojith N(1NH19EE087), Vyas Kodge (1NH19EE124), Y PUNITH (1NH19EE126)**, students of New Horizon College of Engineering hereby declare that this project work entitled "GESTURE CONTROL EV" is an original and bonafide work carried out by me at New Horizon College of Engineering in partial fulfillment of Bachelor of Engineering in Electrical and Electronics Engineering of Visvesvaraya Technological University, Belgaum.

We also declare that, to the best of our knowledge and belief, the work reported herein does not form part of any other thesis or dissertation based on which a degree or award was conferred on an earlier occasion by any student.

Mohammad Shawali 1NH19EE074

[*M. Shawali*]

Poojith N 1NH19EE087

[*Poojith N*]

Vyas Kodge 1NH19EE124

[*V. Kodge*]

Y Punith 1NH19EE126

[*Y. Punith*]

ABSTRACT

In recent years, advancements in human-computer interaction have led to the emergence of gesture control as a novel and intuitive method for interacting with technology. This abstract presents an overview of a gesture-controlled car, a cutting-edge application that harnesses the power of gestures to enable seamless control and navigation of a car.

The gesture-controlled car leverages a combination of hardware and software components to interpret human gestures and translate them into actionable commands for driving. By utilizing computer vision techniques and sensors, the system captures and analyzes hand movements and gestures made by the user inside the car.

The development of a robust gesture recognition algorithm lies at the heart of this technology. Machine learning algorithms, such as convolutional neural networks (CNNs), are trained on vast datasets of annotated gestures to accurately classify and interpret various hand movements. These algorithms enable real-time recognition and mapping of specific gestures to predefined vehicle commands.

Once a gesture is recognized, the system wirelessly communicates with the car's control system, instructing it to perform the desired action. Common gestures may include hand motions to accelerate, decelerate, steer, change gears, or activate additional features like headlights or windshield wipers. The car's response to these gestures is designed to be immediate and precise, ensuring a seamless driving experience.

The implementation of the gesture-controlled car has the potential to enhance driving safety and convenience. By eliminating the need for physical controls and reducing distractions, drivers can maintain their focus on the road while intuitively controlling various aspects of the vehicle. Moreover, this technology opens up new possibilities for individuals with physical disabilities, providing them with an accessible and inclusive means of operating a car.

In conclusion, the gesture-controlled car represents a significant step forward in the field of human-vehicle interaction. Through the integration of computer vision, machine learning, and real-time communication, this innovative system allows users to intuitively and safely control a car using hand gestures. As research and development progress, gesture control has the potential to revolutionize the automotive industry, paving the way for a new era of interactive and user-friendly driving experiences.

Submission Information

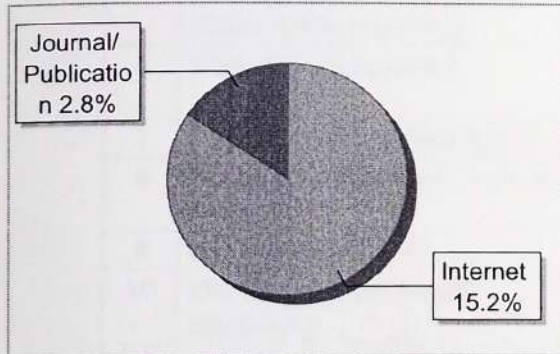
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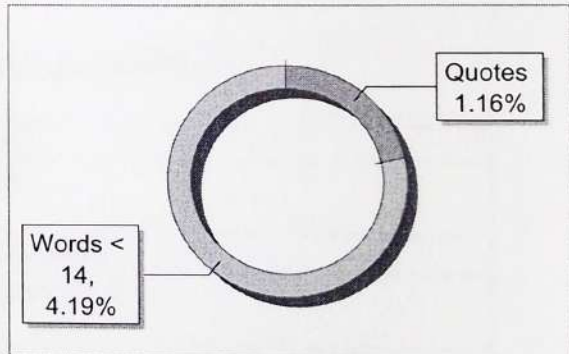
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3	Course	UG
4	Department	EEE
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6	Title of the Document	GESTURE CONTROL EV
7	Similar Content(%)identified	18%
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9	Date of Verification	08.05.2023
10	Checked by (Name with signature)	Ms.Anitha.A
11	Specific remarks, if any :	No

We have verified the contents as summarized above and certified that the statement made above are true to the best of our knowledge and belief.

Ms.Anitha.A
Plagiarism - Coordinator

Dr. S.Sujitha

HOD, Department
Department of Electrical and Electronics Engineering,
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Ring Road, Kadubisanahalli, Bellandur Post,
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20EEE84A Project - Phase II

PROJECT IMAGES

PROJECT TITLE:

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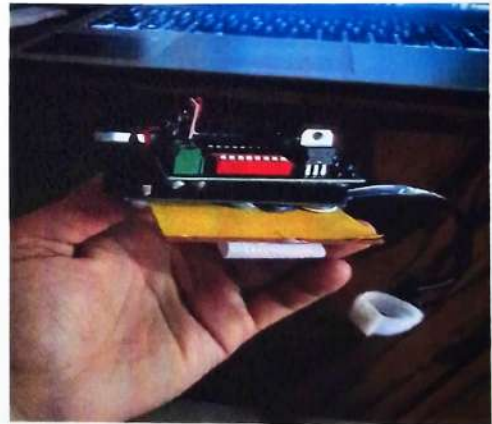
POOJITH N 1NH19EE087

VYAS KODGE 1NH19EE124

Y PUNITH 1NH19EE126

Under the Guidance of

Dr./Prof. Dr.Gunapriya





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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

20EEE84A Project - Phase II

Report on

Autopilot Using Neuro Evaluation of Augmenting Topologies

Submitted in the partial fulfilment of the Final Year Project - Phase II

Submitted by

FARAZ AHMED MULLA	1NH18EE014
GN HEMANTH KUMAR	1NH19EE037
J PRAJWAL	1NH19EE048
M GOPAL	1NH19EE065

Under the Guidance of

Prof. Kavitha Chenna Reddy

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

“Jnana Sangama”, Belgaum: 590018



2022-23



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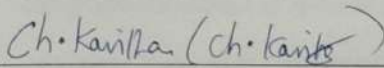
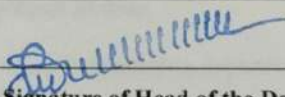
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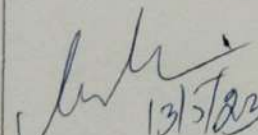
CERTIFICATE

certified that the Project work entitled "Autopilot Using Neuro Evaluation of Augmenting apologies" carried out by Faraz Ahmed Mulla (1NH18EE014), J Prajwal (1NH19EE048), M opal(1NH19EE065) and GN Hemanth Kumar(1NH19EE037), Bonafide Student(s) of New orizon College of Engineering submitted the report in the partial fulfilment for the award of achelor of Engineering in Department of Electrical and Electronics Engineering, New orizon College of Engineering of Visvesvaraya Technological University, Belgaum during the ear 2022-23.

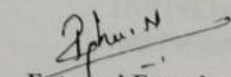
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Name & Signature of the Project Guide	Name & Signature of Head of the Department
Prof. Kavitha Chenna Reddy	Dr. Sujitha S

SEMESTER END EXAMINATION


13/1/23
Internal Examiner




External Examiner
Dr. Raghav N
Jain University

20EEE84A Project - Phase II

ACKNOWLEDGEMENT

I take this opportunity to convey my gratitude to all those who have been kind enough to offer their advice and provide assistance when needed which has led to the successful completion of the project.

We are grateful to the Chairman of New Horizon Educational Institution, **Dr. MOHAN MANGHNANI** for providing with infrastructural facilities and many other resources needed for our project. I would like to express my immense gratitude to our principal, **Dr. MANJUNATHA** for motivating us to carry out research in the NHCE and **Dr. SUJITHA.S**, Head of the department for their constant support and motivation that has encouraged me to come up with this project and also for providing the right ambience for carrying out the work and the facilities provided to me.

I express my warm thanks to my project guide Prof. **Kavitha Chenna Reddy**, Department of Electrical and Electronics Engineering, New Horizon College of Engineering for his/her skilful guidance, constant supervision, timely suggestion and constructive criticism in successful completion of my project in time.

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I would like to thank my parents for supporting and helping in the completion of the project.

Last but not the least I would like to thank all my friends without whose support and co-operation the completion of project would not have been possible.

FARAZ AHMED MULLA 1NH18EE014

GN HEMANTH KUMAR 1NH19EE037

J PRAJWAL 1NH19EE048

M GOPAL 1NH19EE065

20EEE84A Project - Phase II

DECLARATION

We, Faraz Ahmed Mulla (1NH18EE014), J Prajwal (1NH19EE048), M Gopal(1NH19EE065) and GN Hemanth Kumar(1NH19EE037), students of New Horizon College of Engineering hereby declare that this projectwork entitled "Autopilot Using Neuro Evaluation of Augmenting Topologies" is an original and bonafide work carried out by me at New Horizon College of Engineering in partial fulfillment of Bachelor of Engineering in Electrical and Electronics Engineering of Visvesvaraya Technological University, Belgaum.

We also declare that, to the best of our knowledge and belief, the work reported herein does not form part of any other thesis or dissertation based on which a degree or award was conferred on an earlier occasion by any student.

FARAZ AHMED MULLA 1NH18EE014

GN HEMANTH KUMAR 1NH19EE037

J PRAJWAL 1NH19EE048

M GOPAL 1NH19EE065

Faraz
hemanth
Prajwal
M Gopal

Photos of the Project

PROJECT TITLE: Autopilot Using Neuro Evaluation of Augmenting Topologies.

FARAZ AHMED MULLA 1NH18EE014

GN HEMANTH KUMAR 1NH19EE037

J PRAJWAL 1NH19EE048

M GOPAL 1NH19EE065

Under the Guidance of

Prof. Kavitha Chenna Reddy



Fig.1.Simulated view of vehicle in selfdriving mode.

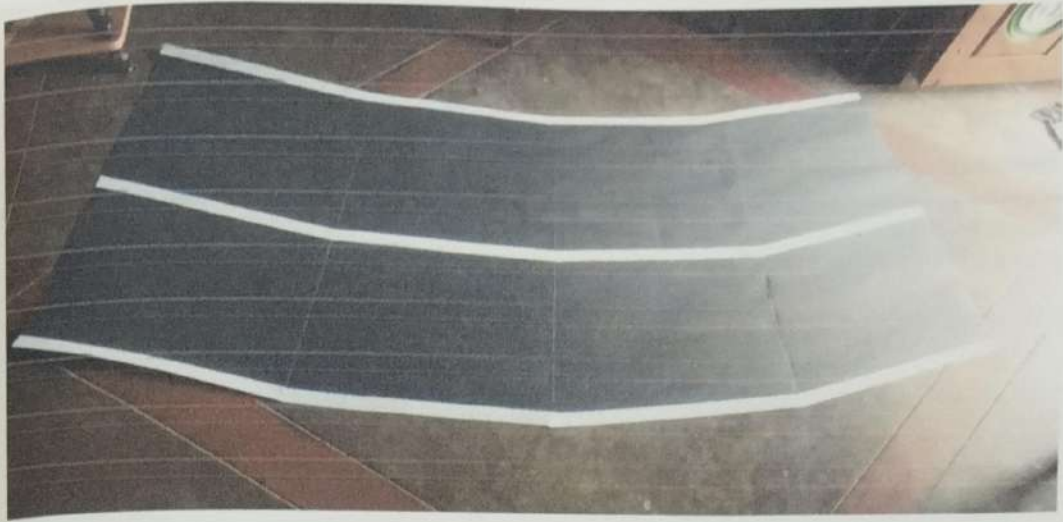


Fig.1.1.Pathway of vehicle in selfdriving mode.

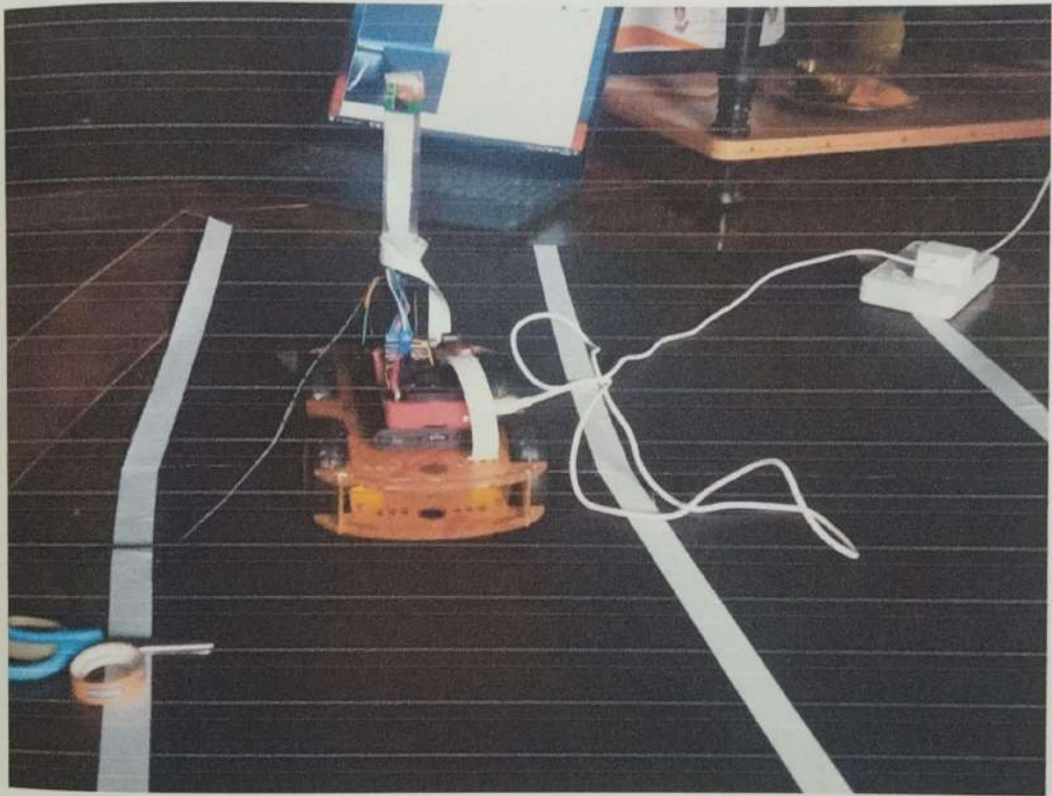


Fig.1.Working Model of Self driving car.

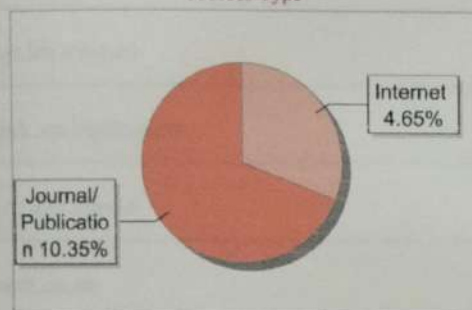
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Title	Project
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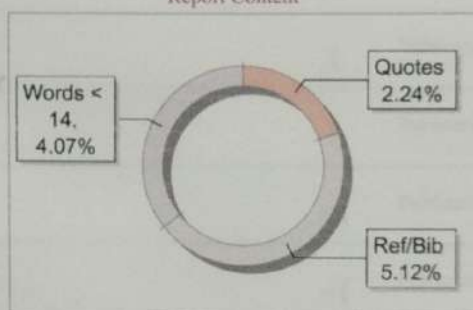
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LIBRARY & INFORMATION CENTRE CERTIFICATE ON PLAGIARISM CHECK

1	Name of the Student	FARAZ AHMED MULLAH HEMANTH G N J PRAJWAL M GOPAL
2	USN	1NH18EE014 1NH19EE037 1NH19EE048 1NH19EE065
3	Course	UG
4	Department	EEE
5	Mini Projects/Project Reports/ Ph.D Synopsis/ Ph.D Thesis/ Paper Publication (N/I)	Project Phase II Report
6	Title of the Document	AUTOPILOT USING NEURO EVALUATION OF AUGMENTING TOPOLOGIES
7	Similar Content(%)identified	15%
8	Acceptable maximum limit (%) of similarity	25%
9	Date of Verification	05.05.2023
10	Checked by (Name with signature)	Ms.Anitha.A
11	Specific remarks, if any :	No

We have verified the contents as summarized above and certified that the statement made above are true to the best of our knowledge and belief.

Ms.Anitha.A
Plagiarism - Coordinator

Dr. S.Sujitha
HOD - EEE



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

20EEE84A Project - Phase II

Report on

**MICROCONTROLLER BASED
AUTOMATED TUMBLER CLEANER**

Submitted in the partial fulfilment of the Final Year Project - Phase II

Submitted by

ABDUL SAMED 1NH19EE001

DARSHAR R 1NH19EE030

FAIZ UR RAHMAN 1NH19EE034

Under the Guidance of

Prof. Kodandapani Depa

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

“Jnana Sangama”, Belgaum: 590018



2022-23



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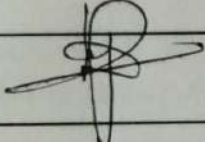
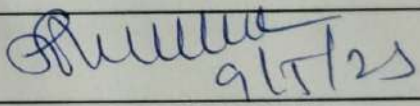
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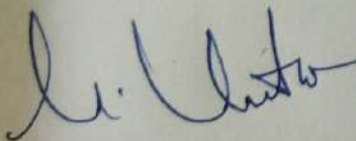
CERTIFICATE

Certified that the Project work entitled "**MICROCONTROLLER BASED AUTOMATED TUMBLER CLEANER**" carried out by **ABDUL SAMED(1NH19EE001)**, **DARSHAN R(1NH19EE030)**, **FAIZ UR RAHMAN(1NH19EE034)** Bonafide Student(s) of New Horizon College of Engineering submitted the report in the partial fulfilment for the award of Bachelor of Engineering in **Department of Electrical and Electronics Engineering, New Horizon College of Engineering** of Visvesvaraya Technological University, Belgaum during the Year 2022-23.

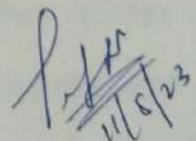
It is certified that all the corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for said Degree.

	 9/5/23
Name & Signature of the Project Guide	Name & Signature of Head of the Department
Prof. Kodandapani Depa	Dr.Sujitha.S Head of the Department Department of Electrical and Electronics Engineering New Horizon College of Engineering Ring Road, Marathalli, Bellandur Post. Bengaluru - 560103, Karnataka, India

SEMESTER END EXAMINATION


11/5/23

Internal Examiner


11/5/23

External Examiner



ACKNOWLEDGEMENT

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ABDUL SAMED **1NH19EE001**

DARSHAN R **1NH19EE030**

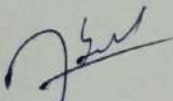
FAIZ UR RAHMAN **1NH19EE034**

DECLARATION

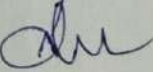
We, **Abdul Samed (1NH19EE001), Darshan R (1NH19EE030), Faiz ur Rahman (1NH19EE034)**, students of New Horizon College of Engineering hereby declare that this project work entitled "**MICROCONTROLLER BASED AUTOMATED TUMBLER CLEANER**" is an original and bonafide work carried out by me at New Horizon College of Engineering in partial fulfillment of Bachelor of Engineering in Electrical and Electronics Engineering of Visvesvaraya Technological University, Belgaum.

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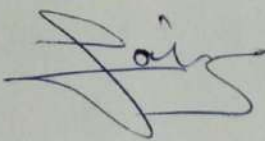
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FAIZ UR RAHMAN 1NH19EE034

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PROJECT IMAGES

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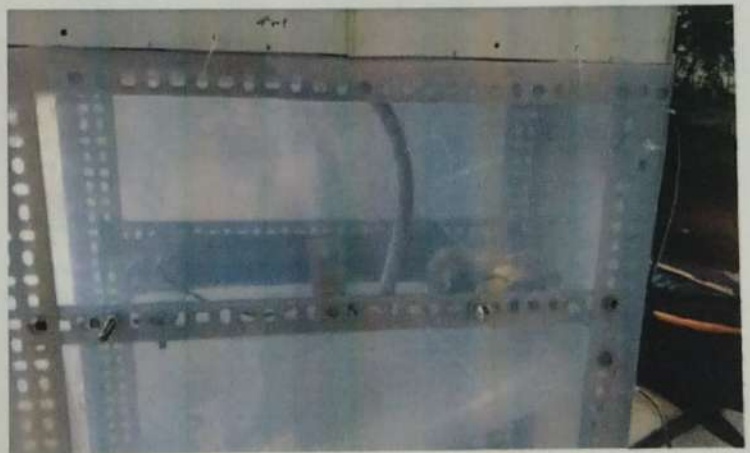
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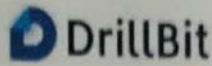
DARSHAN R 1NH19EE030

FAIZ UR RAHMAN 1NH19EE034

Under the Guidance of

Prof. Kodandapani Depa





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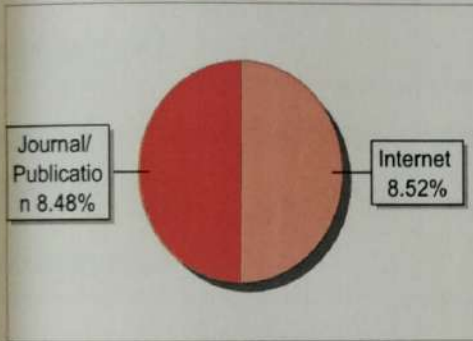
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Title	Project
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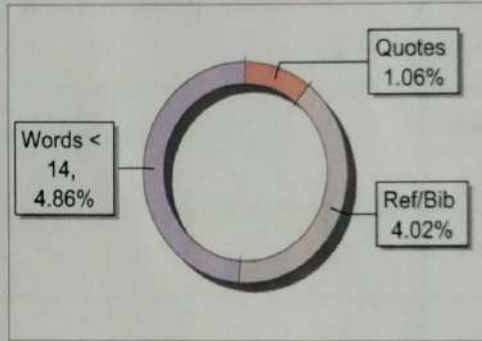
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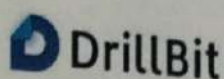


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B-Upgrade (11-40%)

C-Poor (41-60%)

D-Unacceptable (61-100%)

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13	aiscience.org	<1	Internet Data
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	arxiv.org	<1	Publication
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3	Course	UG
4	Department	EEE
5	Mini Projects/Project Reports/ Ph.D Synopsis/ Ph.D Thesis/ Paper Publication (N/I)	Project Phase II Report
6	Title of the Document	AUTOMATED TUMBLER CLEANING
7	Similar Content(%)identified	17%
8	Acceptable maximum limit (%) of similarity	25%
9	Date of Verification	10.05.2023
10	Checked by (Name with signature)	Ms.Anitha.A
11	Specific remarks, if any :	No

We have verified the contents as summarized above and certified that the statement made above are true to the best of our knowledge and belief.

Ms.Anitha.A
Plagiarism - Coordinator

Dr. S. Sujitha

HOD - EEE

Head of the Department
Department of Electrical and Electronics Engineering
New Horizon College of Engineering
Ring Road, Kadubisanahalli, Bellandur Post,
Bangalore - 560103, Karnataka, India



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

20EEE84A Project - Phase II

Report on

PLC BASED 3-AXIS ROUTER MACHINE

Submitted in the partial fulfilment of the Final Year Project - Phase II

Submitted by

RACHNA PALLI 1NH19EE091

SOWMYA SHREE 1NH19EE107

JESHWANTH V. 1NH18EE021

VERNON VICTOR 1NH18EE060

Under the Guidance of

Prof. Vinod Kumar S

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

“Jnana Sangama”, Belgaum: 590018



2022-23



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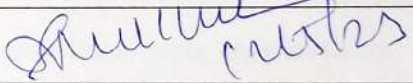
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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

CERTIFICATE

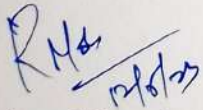
Certified that the Project work entitled **"PLC BASED 3-AXIS ROUTER MACHINE"** carried out by **Rachna Palli (1NH19EE091)**, **Sowmya Shree (1NH19EE107)**, **Jeshwanth V (1NH18EE021)**, **Vernon Victor (1NH18EE060)**, Bonafide Student(s) of New Horizon College of Engineering submitted the report in the partial fulfilment for the award of Bachelor of Engineering in **Department of Electrical and Electronics Engineering, New Horizon College of Engineering** of Visvesvaraya Technological University, Belgaum during the Year 2022-23.

It is certified that all the corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for said Degree.


	
Name & Signature of the Project Guide	Name & Signature of Head of the Department
Mr. Vinod Kumar S	Dr. Sujitha.S

Department of Electrical and Electronics Engineering
New Horizon College of Engineering
Ring Road, Kadubisanahalli, Bellandur Post,
Bengaluru - 560103, Karnataka, India

SEMESTER END EXAMINATION


Internal Examiner
Dr. N. Mohan M




External Examiner
Dr. Teuphi. V N

20EEE84A Project - Phase II

ACKNOWLEDGEMENT

I take this opportunity to convey my gratitude to all those who have been kind enough to offer their advice and provide assistance when needed which has led to the successful completion of the project.

We are grateful to the Chairman of New Horizon Educational Institution, **Dr. MOHAN MANGHNANI** for providing with infrastructural facilities and many other resources needed for our project. I would like to express my immense gratitude to our principal, **Dr. MANJUNATHA** for motivating us to carry out research in the NHCE and **Dr. SUJITHA.S**, Head of the department for their constant support and motivation that has encouraged me to come up with this project and also for providing the right ambience for carrying out the work and the facilities provided to me.

I express my warm thanks to my project guide **Prof. Vinod Kumar S**, Department of Electrical and Electronics Engineering, New Horizon College of Engineering for his skilful guidance, constant supervision, timely suggestion and constructive criticism in successful completion of my project in time.

I wish to thank all the faculty of Electrical and Electronics Engineering department for providing required support throughout the project.

I would like to thank my parents for supporting and helping in the completion of the project.

Last but not the least I would like to thank all my friends without whose support and co-operation the completion of project would not have been possible.

RACHNA PALLI	1NH19EE091	<i>Rachna</i>
SOWMYA SHREE	1NH19EE107	<i>Sowmya</i>
JESHWANTH V	1NH18EE021	<i>Jeswanth</i>
VERNON VICTOR	1NH18EE060	<i>Vernon</i>

20EEE84A Project - Phase II

DECLARATION

We, **Rachna Palli (1NH19EE091), Sowmya Shree (1NH19EE107), Jeshwanth V (1NH18EE021), Vernon Victor (1NH18EE060)**, students of New Horizon College of Engineering hereby declare that this project work entitled "**PLC Based 3-Axis Router Machine**" is an original and bonafide work carried out by me at New Horizon College of Engineering in partial fulfillment of Bachelor of Engineering in Electrical and Electronics Engineering of Visvesvaraya Technological University, Belgaum.

We also declare that, to the best of our knowledge and belief, the work reported herein does not form part of any other thesis or dissertation based on which a degree or award was conferred on an earlier occasion by any student.

RACHNA PALLI 1NH19EE091

[*Rachna*]

SOWMYA SHREE 1NH19EE107

[*Sowmya*]

JESHWANTH V. 1NH18EE021

[*Jeshwanth*]

VERNON VICTOR 1NH18EE060

[*VERNON*]




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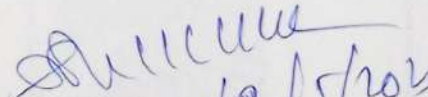
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1	Name of the Student	RACHNA PALLI SOWMYA SHREE JESHWANTH V. VERNON VICTOR
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3	Course	UG
4	Department	EEE
5	Mini Projects/Project Reports/ Ph.D Synopsis/ Ph.D Thesis/ Paper Publication (N/I)	Final Year Project Phase-II
6	Title of the Document	PLC BASED 3-AXIS ROUTER MACHINE
7	Similar Content(%)identified	14%
8	Acceptable maximum limit (%) of similarity	25%
9	Date of Verification	08.05.2023
10	Checked by (Name with signature)	Mr. D Kodandapani
11	Specific remarks, if any :	No

We have verified the contents as summarized above and certified that the statement made above are true to the best of our knowledge and belief.


Mr. D Kodandapani
Plagiarism - Coordinator


Dr. Sujitha S
HOD, EEE
Department of Electrical and Electronics Engineering
New Horizon College of Engineering
Ring Road, Kadubisanahalli, Bellary, Karnataka
Bangalore - 560103, Karnataka, India

Submission Information

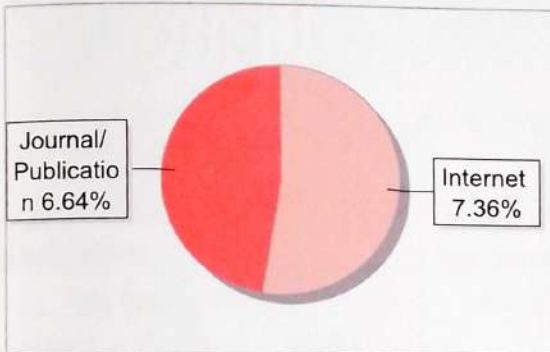
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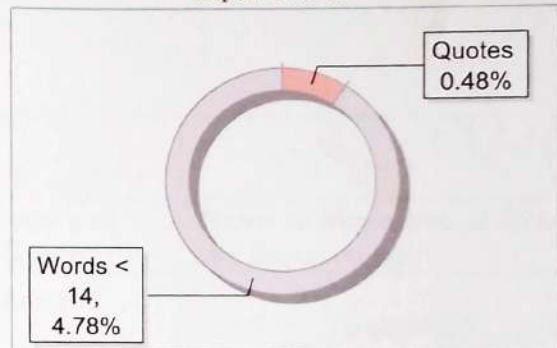
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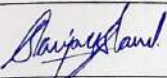

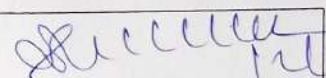
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Name & Signature of the Project External Guide	Name & Signature of the Internal Guide	Name & Signature of Head of the Department
Mr. Sanjay Sanil Application Engineer - AMM	Prof. Vinod Kumar S	Dr. Sujitha S Head of the Department Department of Electrical and Electronics Engineering New Horizon College of Engineering Ring Road, Kadubisanahalli, Bellandur Post, Bangalore - 560103, Karnataka, India.





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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

20EEE84A Project - Phase II

Report on

**SOLAR POWERED MULTIFUNCTIONAL
AGRICULTURAL ROBOT**

Submitted in the partial fulfilment of the Final Year Project - Phase II

Submitted by

MEGHANA N T 1NH19EE072

VANDANA R 1NH19EE121

VIDYA G R 1NH19EE122

Under the Guidance of

Dr. SUJITHA.S

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

“Jnana Sangama”, Belgaum: 590018



2022-23



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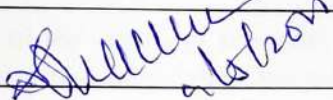
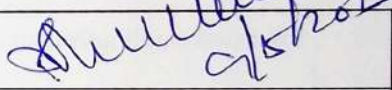
Outer Ring Road, Bellandur, Bengaluru – 560103

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING


CERTIFICATE

Certified that the Project work entitled **“SOLAR POWERED MULTIFUNCTIONAL AGRICULTURAL ROBOT”** carried out by MEGHANA N T (INH19EE072), VANDANA R (INH19EE121), VIDYA G R (INH19EE122), Bonafide Student(s) of New Horizon College of Engineering submitted the report in the partial fulfilment for the award of Bachelor of Engineering in **Department of Electrical and Electronics Engineering, New Horizon College of Engineering** of Visvesvaraya Technological University, Belgaum during the Year 2022-23.

It is certified that all the corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for said Degree.


	
Name & Signature of the Project Guide	Name & Signature of Head of the Department
Dr. SUJITHA .S	Department of Electrical and Electronics Engineering New Horizon College of Engineering Ring Road, Kadhis Belgaur Post, Bangalore - 560103, Karnataka, India Dr. SUJITHA .S

SEMESTER END EXAMINATION


Internal Examiner

Dr. K. Mohan Rao




External Examiner

De Trupti V N

20EEE84A Project - Phase II

ACKNOWLEDGEMENT

I take this opportunity to convey my gratitude to all those who have been kind enough to offer their advice and provide assistance when needed which has led to the successful completion of the project.

We are grateful to the Chairman of New Horizon Educational Institution, **Dr. MOHAN MANGHNANI** for providing with infrastructural facilities and many other resources needed for our project. I would like to express my immense gratitude to our principal, **Dr. MANJUNATHA** for motivating us to carry out research in the NHCE and **Dr. SUJITHA.S**, Head of the department for their constant support and motivation that has encouraged me to come up with this project and also for providing the right ambience for carrying out the work and the facilities provided to me.

I express my warm thanks to my project guide **Dr. SUJITHA.S**, Department of Electrical and Electronics Engineering, New Horizon College of Engineering for his/her skilful guidance, constant supervision, timely suggestion and constructive criticism in successful completion of my project in time.

I wish to thank all the faculty of Electrical and Electronics Engineering department for providing required support throughout the project.

I would like to thank my parents for supporting and helping in the completion of the project.

Last but not the least I would like to thank all my friends without whose support and co-operation the completion of project would not have been possible.

MEGHANA N T 1NH19EE072

VANDANA R 1NH19EE121

VIDYA G R 1NH19EE122

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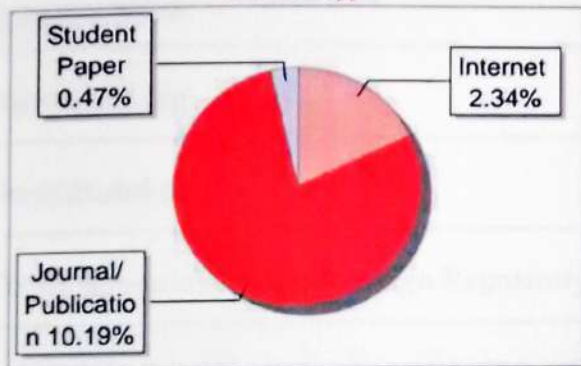
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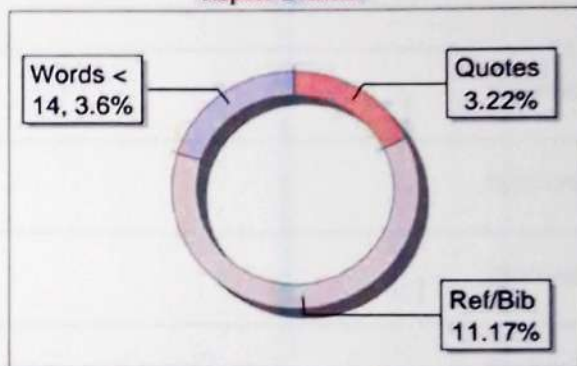
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21	IEEE 2018 International Conference on Intelligent Autonomous System, by Sujon, Md. Didarul - 2018	<1	Publication



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2	USN	1NH19EE072 1NH19EE121 1NH19EE122
3	Course	UG
4	Department	EEE
5	Mini Projects/Project Reports/ Ph.D Synopsis/ Ph.D Thesis/ Paper Publication (N/I)	Final Year Project Phase-II
6	Title of the Document	SOLAR POWERED MULTIFUNCTIONAL AGRICULTURAL ROBOT
7	Similar Content(%)identified	13%
8	Acceptable maximum limit (%) of similarity	25%
9	Date of Verification	09.05.2023
10	Checked by (Name with signature)	Mr. D Kodandapani
11	Specific remarks, if any :	No

We have verified the contents as summarized above and certified that the statement made above are true to the best of our knowledge and belief.

Mr. D Kodandapani
Plagiarism - Coordinator

Dr. Sujitha S
HOD - EEE

Head of the Department
Department of Electrical and Electronics Engineering
New Horizon College of Engineering
Ring Road, Kadubisanahalli, Bellandur Post-
Bangalore - 560103, Karnataka, India

20EEE84A Project - Phase II

PROJECT IMAGES

PROJECT TITLE: SOLAR POWERED MULTIFUNCTIONAL AGRICULTURAL ROBOT

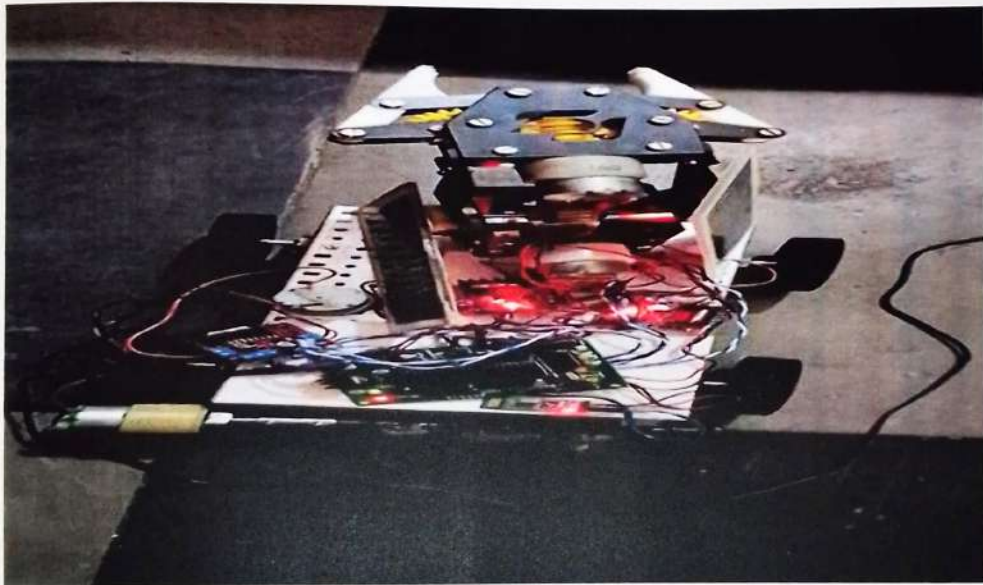
MEGHANA N T 1NH19EE072

VANDANA R 1NH19EE121

VIDYA G R 1NH19EE122

Under the Guidance of

Dr. SUJITHA.S



Agricultural Robot



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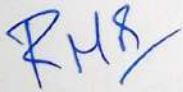
CERTIFICATE

Certified that the Project work entitled **"SOLAR WIRELESS EV CHARGER SYSTEM"** carried out by **MARUTHI B(INH19EE071), RAHUL R(INH19EE092), SATHISH S(INH19EE0101), SNTHOSH MELVIN D(INH19EE098)**, Bonafide Student(s) of New Horizon College of Engineering submitted the report in the partial fulfilment for the award of Bachelor of Engineering in **Department of Electrical and Electronics Engineering, New Horizon College of Engineering** of Visvesvaraya Technological University, Belgaum during the Year 2022-23.

It is certified that all the corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for said Degree.

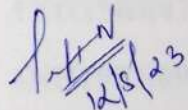
	
Name & Signature of the Project Guide	Name & Signature of Head of the Department
Dr. Vinoth Kumar K	Dr. Sujatha S New Horizon College of Engineering Ring Road, Marathalli, Bellandur Post, Bengaluru - 560103, Karnataka, India

SEMESTER END EXAMINATION


Internal Examiner

Dr. R. Mahalingam




External Examiner
Dr. T. V. N

ACKNOWLEDGEMENT

I take this opportunity to convey my gratitude to all those who have been kind enough to offer their advice and provide assistance when needed which has let to the successful completion of the project.

We grateful to the Chairman of New Horizon Educational Institution, **Dr.MOHAN MANGHNANI** for providing with infrastructural facilities and many other resources needed for our project. I would like to express my immense gratitude to our principal, **Dr.MANJUNATHA**for motivating us to carry out research in the NHCEand **Dr. SUJITHA.S**, Head of the department for their constant support and motivation that has encouraged me to come up with this project and also for providing the right ambience for carrying out the work and the facilities provided to me.

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I would like to thank my parents for supporting and helping in the completion of the project.

Last but not the least I would like to thank all my friends without whose support and co-operation the completion of project would not have been possible.

MARUTHI B 1NH19EE071

RAHUL R 1NH19EE092

SATHISH S 1NH19EE101

SANTHOSH MELVIN D 1NH19EE098

20EEE84A Project - Phase II

DECLARATION

We, **MARUTHI B (INH19EE071), RAHUL R (INH19EE092), SATHISH S (INH19EE101), SANTHOSH MELVIN D (INH19EE098)**, students of New Horizon College of Engineering hereby declare that this projectwork entitled "SOLAR WIRELESS EV CHARGER SYSTEM" is an original and bonafide work carried out by me at New Horizon College of Engineering in partial fulfillment of Bachelor of Engineering in Electrical and Electronics Engineering of Visvesvaraya Technological University, Belgaum.

We also declare that, to the best of our knowledge and belief, the work reported herein does not form part of any other thesis or dissertation based on which a degree or award was conferred on an earlier occasion by any student.

MARUTHI B	INH19EE071	{	<i>Maruthi</i>	}
RAHUL R	INH19EE092	{	<i>Rahul</i>	}
SATHISH S	INH19EE101	{	<i>Sathish</i>	}
SANTHOSH MELVIN D	INH19EE098	{	<i>Santhosh</i>	}


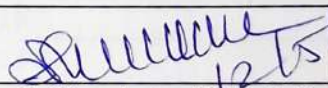
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	 12/5/2023
Name & Signature of the Internal Guide	Name & Signature of Head of the Department
Dr. Vinoth Kumar K	Dr. Sujitha S New Horizon College of Engineering Ring Road, Hattiesanahalli, Bellandur Post, Bangalore - 560103, Karnataka, India



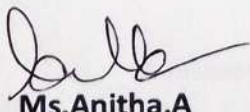
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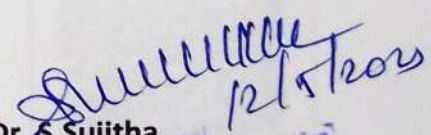
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1	Name of the Student	RAHUL R MARUTHI B SATHISH S SANTHOSH MELVIN D
2	USN	1NH19EE092 1NH19EE071 1NH19EE101 1NH19EE098
3	Course	UG
4	Department	EEE
5	Mini Projects/Project Reports/ Ph.D Synopsis/ Ph.D Thesis/ Paper Publication (N/I)	Project Phase II Report
6	Title of the Document	SOLAR WIRELESS EV CHARGING SYSTEM
7	Similar Content(%)identified	18%
8	Acceptable maximum limit (%) of similarity	25%
9	Date of Verification	11.05.2023
10	Checked by (Name with signature)	Ms.Anitha.A
11	Specific remarks, if any :	No

We have verified the contents as summarized above and certified that the statement made above are true to the best of our knowledge and belief.


Ms.Anitha.A

Plagiarism - Coordinator


Dr. S. Sujitha
12/5/2023

HOD - EEE

Department of Electrical and Electronics Engineering
New Horizon College of Engineering
Ring Road, Kadubisanahalli, Bellandur Post,
Bangalore - 560103, Karnataka, India

Submission Information

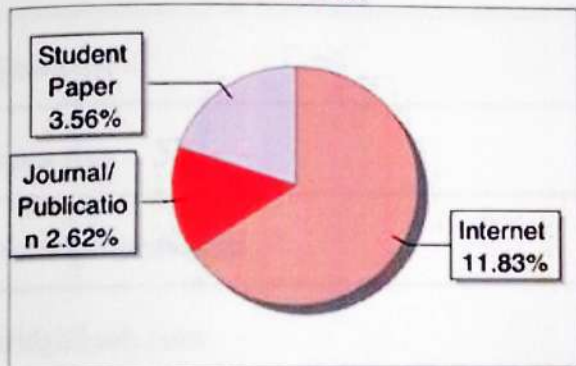
Author Name	Dr.Vinoth Sir batch
Title	Project
Paper/Submission ID	739433
Submission Date	2023-05-12 08:40:11
Total Pages	30
Document type	Project Work

Result Information

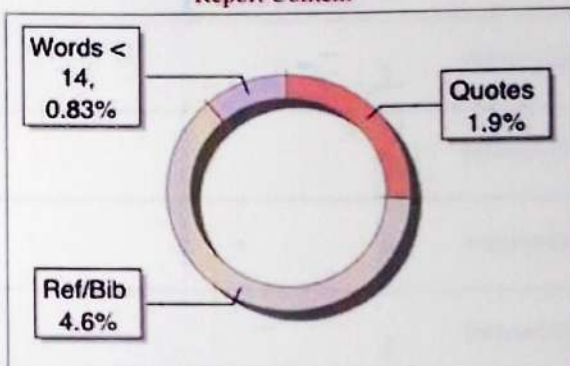
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PROJECT IMAGES

PROJECT TITLE: SOLAR WIRELESS EV CHARGING SYSTEM

MARUTHI B 1NH19EE071

RAHUL R 1NH19EE092

SATHISH S 1NH19EE101

SANTHOSH MELVIN D 1NH19EE098

Under the Guidance of

Dr. VINOTH KUMAR K



1



2



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

20EEE84A Project - Phase II

Report on

**WILD LIFE DETECTION WITH HUMAN AND
FOREST SAFETY**

Submitted in the partial fulfilment of the Final Year Project - Phase II

Submitted by

MANISH	1NH19EE068
SARTHAK GHORAI	1NH19EE100
SUBHAJIT DAS	1NH19EE109
SHARIQ AHMED S	1NH19EE105

Under the Guidance of

Prof. Sangeetha CN

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

“Jnana Sangama”, Belgaum: 590018



2022-23

ACKNOWLEDGEMENT

I take this opportunity to convey my gratitude to all those who have been kind enough to offer their advice and provide assistance when needed which has led to the successful completion of the project.

We grateful to the Chairman of New Horizon Educational Institution, **Dr. MOHAN MANGHNANI** for providing with infrastructural facilities and many other resources needed for our project. I would like to express my immense gratitude to our principal, **Dr. MANJUNATHA** for motivating us to carry out research in the NHCE and **Dr. SUJITHA S.**, Head of the department for their constant support and motivation that has encouraged me to come up with this project and also for providing the right ambience for carrying out the work and the facilities provided to me.

I express my warm thanks to my project guide **Prof. Sangeetha CN**, Department of Electrical and Electronics Engineering, New Horizon College of Engineering for his/her skillful guidance, constant supervision, timely suggestion and constructive criticism in successful completion of my project in time.

I wish to thank all the faculty of Electrical and Electronics Engineering department for providing required support throughout the project.

I would like to thank my parents for supporting and helping in the completion of the project.

Last but not the least I would like to thank all my friends without whose support and co-operation the completion of project would not have been possible.

MANISH	1NH19EE068
SARTHAK GHORAI	1NH19EE100
SUBHAJIT DAS	1NH19EE109
SHARIQ AHMED	1NH19EE105

DECLARATION

We MANISH-1NH19EE068, SARTHAK GHORAI-1NH19EE100, SUBHAJIT DAS-1NH19EE109, SHARIQ AHMED-1NH19EE105 students of New Horizon College of Engineering hereby declare that this project work entitled "Wild life detection with human and forest safety" is an original and bonafide work carried out by me at New Horizon College of Engineering in partial fulfillment of Bachelor of Engineering in Electrical and Electronics Engineering of Visvesvaraya Technological University, Belgaum.

We also declare that, to the best of our knowledge and belief, the work reported here in does not form part of any other thesis or dissertation based on which a degree or award was conferred on an earlier occasion by any student.

MANISH(1NH19EE068)

Manish

SARTHAK GHORAI (1NH19EE100)

Sarthak Ghori

SUBHAJIT DAS (1NH19EE109)

Subhajit

SHARIQ AHMED (1NH19EE105)

Shariq



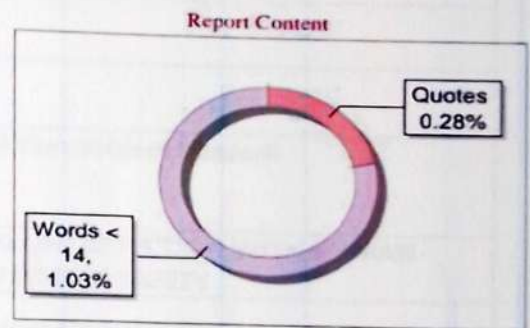
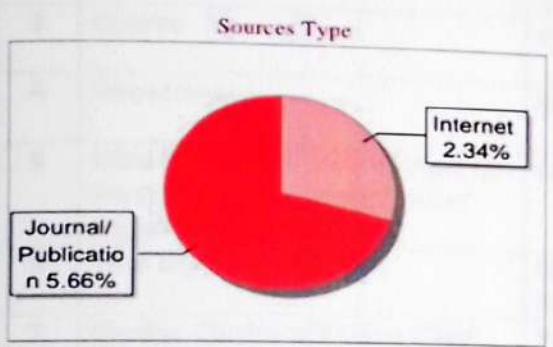
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Submission Information

Author Name	sangeetha mam
Title	project
Paper/Submission ID	737891
Submission Date	2023-05-10 17:25:33
Total Pages	18
Document type	Project Work

Result Information

Similarity **8 %**



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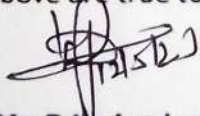
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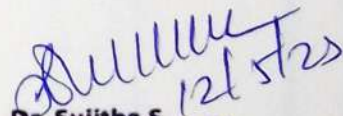
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1	Name of the Student	MANISH SARTHAK GHORAI SUBHAJIT DAS SHARIQ AHMED S
2	USN	1NH19EE068 1NH19EE100 1NH19EE109 1NH19EE105
3	Course	UG
4	Department	EEE
5	Mini Projects/Project Reports/ Ph.D Synopsis/ Ph.D Thesis/ Paper Publication (N/I)	Final Year Project Phase-II
6	Title of the Document	WILD LIFE DETECTION WITH HUMAN AND FOREST SAFETY
7	Similar Content(%)identified	8%
8	Acceptable maximum limit (%) of similarity	25%
9	Date of Verification	10.05.2023
10	Checked by (Name with signature)	Mr. D Kodandapani
11	Specific remarks, if any :	No

We have verified the contents as summarized above and certified that the statement made above are true to the best of our knowledge and belief.


Mr. D Kodandapani
Plagiarism - Coordinator


Dr. Sujitha S
HOD of the Department
Department of Electrical and Electronics Engineering
New Horizon College of Engineering
Ring Road, Kadubisanahalli, Bellandur Post.
Bangalore - 560103, Karnataka, India



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Outer Ring Road, Bellandur, Bengaluru – 560103

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

20EEE84A Project - Phase II

Report on

IOT BASED HEALTHCARE KIT

Submitted in the partial fulfilment of the Final Year Project - Phase II

Submitted by

ABHISHEK BEDANT 1NH19EE004

KUMAR ABHISHEK 1NH19EE061

MADHAV REDDY C 1NH19EE067

VIKRAMADITYA 1NH19EE060

Under the Guidance of

 **Ms. ANITHA A**

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

“Jnana Sangama”, Belgaum: 590018



2022-23



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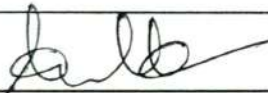
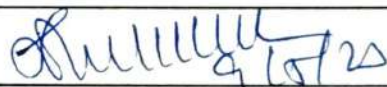
Outer Ring Road, Bellandur, Bengaluru – 560103

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

CERTIFICATE

Certified that the Project work entitled **“IOT BASED HEALTHCARE KIT”** carried out by **Abhishek Bedant (INH19EE004), Kumar Abhishek (INH19EE061), Madhav Reddy C (INH19EE067), Vikramaditya (INH19EE060)** Bonafide Student(s) of New Horizon College of Engineering submitted the report in the partial fulfilment for the award of Bachelor of Engineering in **Department of Electrical and Electronics Engineering, New Horizon College of Engineering** of Visvesvaraya Technological University, Belgaum during the Year 2022-23.

It is certified that all the corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for said Degree.

	
Name & Signature of the Project Guide	Name & Signature of Head of the Department
Ms. Anitha A	Department of Electrical and Electronics Engineering New Horizon College of Engineering Ring Road, Kadubisanahalli, Bellandur Post, Bangalore - 560103, Karnataka, India

SEMESTER END EXAMINATION



Internal Examiner



External Examiner



ACKNOWLEDGEMENT

I take this opportunity to convey my gratitude to all those who have been kind enough to offer their advice and provide assistance when needed which has led to the successful completion of the project.

We are grateful to the Chairman of New Horizon Educational Institution, **Dr. MOHAN MANGHNANI** for providing with infrastructural facilities and many other resources needed for our project. I would like to express my immense gratitude to our principal, **Dr. MANJUNATHA** for motivating us to carry out research in the NHCE and **Dr. SUJITHA.S.** Head of the department for their constant support and motivation that has encouraged me to come up with this project and also for providing the right ambience for carrying out the work and the facilities provided to me.

I express my warm thanks to my project guide **Ms. Anitha A.**, Department of Electrical and Electronics Engineering, New Horizon College of Engineering for her skilful guidance, constant supervision, timely suggestion and constructive criticism in successful completion of my project in time.

I wish to thank all the faculty of Electrical and Electronics Engineering department for providing required support throughout the project.

I would like to thank my parents for supporting and helping in the completion of the project.

Last but not the least I would like to thank all my friends without whose support and co-operation the completion of project would not have been possible.

ABHISHEK BEDANT	1NH19EE004
KUMAR ABHISHEK	1NH19EE061
MADHAV REDDY C	1NH19EE067
VIKRAMADITYA	1NH19EE060

20EEE84A Project - Phase II

DECLARATION

We, **Abhishek Bedant (1NH19EE004), Kumar Abhishek (1NH19EE061), Madhav Reddy C (1NH19EE067), Vikramaditya(1NH19EE060)**, students of New Horizon College of Engineering hereby declare that this project work entitled "**IOT BASED HEALTHCARE KIT**" is an original and bonafide work carried out by me at New Horizon College of Engineering in partial fulfillment of Bachelor of Engineering in Electrical and Electronics Engineering of Visvesvaraya Technological University, Belgaum.

We also declare that, to the best of our knowledge and belief, the work reported herein does not form part of any other thesis or dissertation based on which a degree or award was conferred on an earlier occasion by any student.

ABHISHEK BEDANT	1NH19EE004	<i>Abhishek Bedant</i>
KUMAR ABHISHEK	1NH19EE061	<i>Kumar</i>
MADHAV REDDY C	1NH19EE067	<i>Chinam Reddy</i>
VIKRAMADITYA	1NH19EE060	<i>Kota</i>

PROJECT IMAGES

PROJECT TITLE: IOT BASED HEALTHCARE KIT

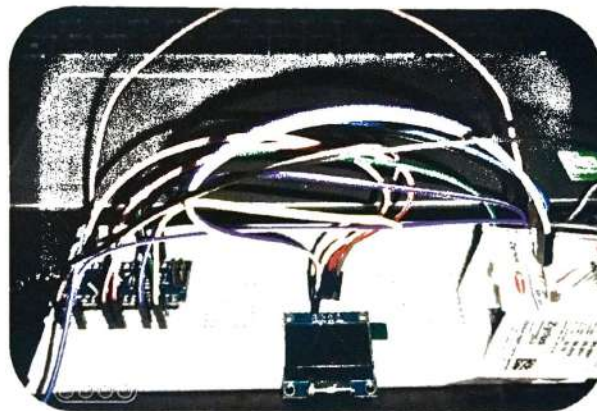
ABHISHEK BEDANT 1NH19EE004

KUMAR ABHISHEK 1NH19EE061

MADHAV REDDY C 1NH19EE067

VIKRAMADITYA 1NH19EE060

Under the Guidance of **Asst Prof. Ms. Anitha A**



Hardware Implementation



Hardware implementation

Submission Information

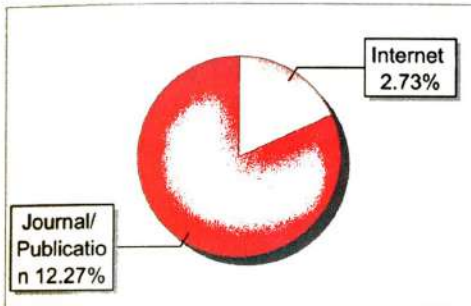
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Title	Project
Paper/Submission ID	737393
Submission Date	2023-05-09 15:55:28
Total Pages	21
Document type	Project Work

Result Information

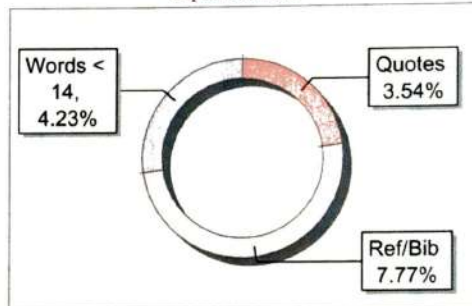
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2	USN	1NH19EE004 1NH19EE061 1NH19EE067 1NH19EE060
3	Course	UG
4	Department	EEE
5	Mini Projects/Project Reports/ Ph.D Synopsis/ Ph.D Thesis/ Paper Publication (N/I)	Project Phase II Report
6	Title of the Document	IOT BASED HEALTH CARE KIT
7	Similar Content(%)identified	15%
8	Acceptable maximum limit (%) of similarity	25%
9	Date of Verification	09.05.2023
10	Checked by (Name with signature)	Ms.Anitha.A
11	Specific remarks, if any :	No

We have verified the contents as summarized above and certified that the statement made above are true to the best of our knowledge and belief.



Ms.Anitha.A

Plagiarism - Coordinator

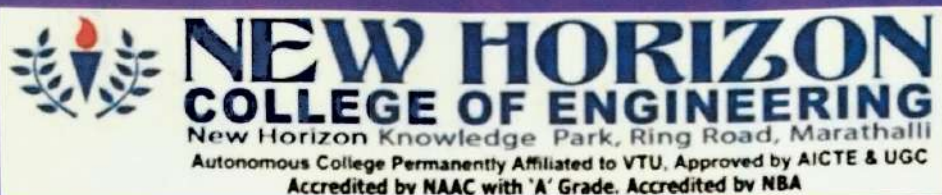


Dr. S.Sujitha

HOD - EEE

Head of the Department

Department of Electrical and Electronics Engineering
New Horizon College of Engineering
Ring Road, Kadubisanahalli, Bellandur Post,
Bangalore - 560103, Karnataka, India



Outer Ring Road, Bellandur, Bengaluru – 560103

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

20EEE84A Project - Phase II

Report on

**Design and Implementation of Solar Fed Flood Alert
System Using Bolt Wi-Fi Module**

Submitted in the partial fulfilment of the Final Year Project - Phase II

Submitted by

ABRAR ALTAF DAR 1NH19EE005

ANKIT KUMAR 1NH19EE016

EZRA JAMES D'CUNHA 1NH19EE033

GAURAV P KUMAR 1NH19EE040

Under the Guidance of

Prof. Karthika M.

&

Dr. Mohan Das R.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

“Jnana Sangama”, Belgaum: 590018



2022-23



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

CERTIFICATE

Certified that the Project work entitled "**Design and Implementation of Solar Fed Flood Alert System Using Bolt Wi-Fi Module**" carried out by **Abrar Altaf Dar(1NH19EE005)**, **Ankit Kumar(1NH19EE016)**, **Ezra James D'cunha(1NH19EE033)** And **Gaurav P Kumar(1NH19EE040)**, bonafide Student(s) of New Horizon College of Engineering submitted the report in the partial fulfilment for the award of Bachelor of Engineering in **Department of Electrical and Electronics Engineering, New Horizon College of Engineering** of Visvesvaraya Technological University, Belgaum during the Year 2022-23.

It is certified that all the corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for said Degree.

	
Name & Signature of the Project Guide	Name & Signature of Head of the Department
Prof. Karthika M	Head of the Department Department of Electrical and Electronics Engineering New Horizon College of Engineering Ring Road, Kadubisanahalli, Bellandur Post, Bengaluru - 560103, Karnataka, India

SEMESTER END EXAMINATION



Internal Examiner



External Examiner



ACKNOWLEDGEMENT

I take this opportunity to convey my gratitude to all those who have been kind enough to offer their advice and provide assistance when needed which has led to the successful completion of the project.

We grateful to the Chairman of New Horizon Educational Institution, **Dr. MOHAN MANGHNANI** for providing with infrastructural facilities and many other resources needed for our project. I would like to express my immense gratitude to our principal, **Dr. MANJUNATHA** for motivating us to carry out research in the NHCE and **Dr. SUJITHA S.**, Head of the department for their constant support and motivation that has encouraged me to come up with this project and also for providing the right ambience for carrying out the work and the facilities provided to me.

I express my warm thanks to my project guide **Prof. Karthika M**, Department of Electrical and Electronics Engineering, New Horizon College of Engineering for his/her skillful guidance, constant supervision, timely suggestion and constructive criticism in successful completion of my project in time.

I wish to thank all the faculty of Electrical and Electronics Engineering department for providing required support throughout the project.

I would like to thank my parents for supporting and helping in the completion of the project.

Last but not the least I would like to thank all my friends without whose support and co-operation the completion of project would not have been possible.

ABRAR ALTAF DAR 1NH19EE005

ANKIT KUMAR 1NH19EE016

EZRA JAMES D'CUNHA 1NH19EE033

GAURAV P KUMAR 1NH19EE040

DECLARATION

We ABRAR ALTAF DAR - INH19EE005, ANKIT KUMAR - INH19EE016, EZRA JAMES D'CUNHA -

INH19EE033, GAURAV P KUMAR - INH19EE040, students of New Horizon College of Engineering hereby declare that this project work entitled "Design and Implementation of Solar Fed Flood Alert System Using Bolt Wi-Fi Module" is an original and bonafide work carried out by me at New Horizon College of Engineering in partial fulfillment of Bachelor of Engineering in Electrical and Electronics Engineering of Visvesvaraya Technological University, Belgaum.

We also declare that, to the best of our knowledge and belief, the work reported here in does not form part of any other thesis or dissertation based on which a degree or award was conferred on an earlier occasion by any student.

ABRAR ALTAF DAR (INH19EE005)

|  |

ANKIT KUMAR (INH19EE016)

|  |

EZRA JAMES D'CUNHA (INH19EE033)

|  |

GAURAV P KUMAR (INH19EE040)

|  |

Submission Information

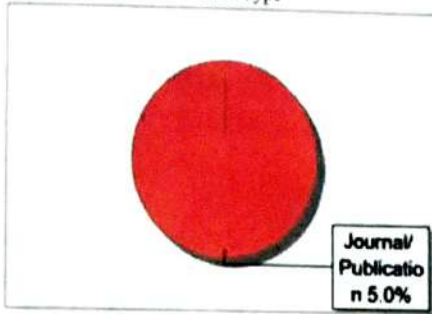
Author Name	Karthika Mam
Title	Project
Paper Submission ID	735230
Submission Date	2023-05-08 08:57:50
Total Pages	22
Document type	Project Work

Result Information

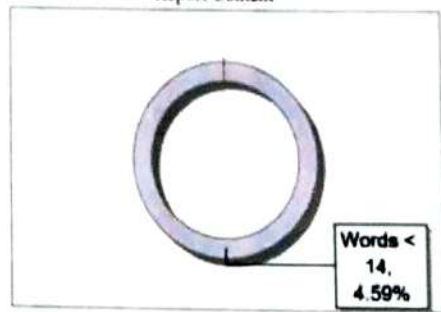
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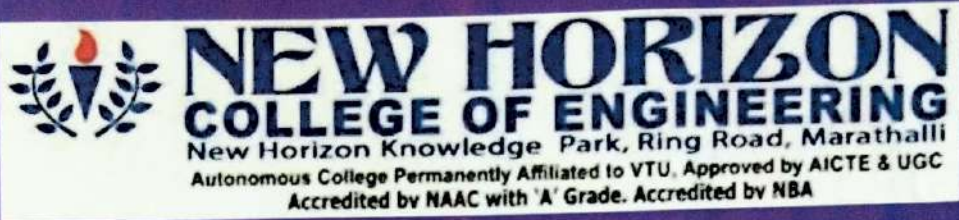
1	Name of the Student	ABRAR ALTAF DAR ANKIT KUMAR EZRA D CUNHA GAURAV P KUMAR
2	USN	1NH19EE005 1NH19EE016 1NH19EE033 1NH19EE040
3	Course	UG
4	Department	EEE
5	Mini Projects/Project Reports/ Ph.D Synopsis/ Ph.D Thesis/ Paper Publication (N/I)	Project Phase II Report
6	Title of the Document	DESIGN AND IMPLEMENTATION OF SOLAR FED FLOOD ALERT SYSTEM USING BOLT WI-FI MODULE
7	Similar Content(%)identified	05%
8	Acceptable maximum limit (%) of similarity	25%
9	Date of Verification	08.05.2023
10	Checked by (Name with signature)	Ms.Anitha.A
11	Specific remarks, if any :	No

We have verified the contents as summarized above and certified that the statement made above are true to the best of our knowledge and belief.

Ms.Anitha.A
Plagiarism - Coordinator

Dr. S.Sujitha
HOD - EEE

Head of the Department
Department of Electrical and Electronics Engineering
New Horizon College of Engineering
Ring Road, Kadubisanahalli, Bellandur Post,
Bangalore - 560103, Karnataka, India



Outer Ring Road, Bellandur, Bengaluru – 560103

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

20EEE83A Project - Phase II

Report on

Novel Technique to mitigate Fire in Battery Management System of Electric Vehicle

Submitted in the partial fulfilment of the Final Year Project - Phase II

Submitted by

AGARWAL RAHAT MANOJ KUMAR	1NH19EE007
CHIRAG PATHAK	1NH19EE025
DEEPAK KUMAR SAH	1NH19EE029
FAOZ FIROZ BASHEER	1NH19EE035

Name & Signature of the Project Guide	Name & Signature of Head of the Department
Prof. Sangeetha C.N	Dr. Sujitha S

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

“Jnana Sangama”, Belgaum: 590018



2022-23



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Outer Ring Road, Bellandur, Bengaluru – 560103

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

CERTIFICATE

Certified that the Project work entitled **“Novel Technique to mitigate Fire in Battery Management System of Electric Vehicle”** carried out by **Agarwal Rahat Manoj kumar(1NH19EE007), Chirag Pathak(1NH19EE025), Deepak Kumar Sah(1NH19EE029) and Faaz Fitoz Basheer(1NH19EE035)**, bonafide Student(s) of New Horizon College of Engineering submitted the report in the partial fulfilment for the award of Bachelor of Engineering in **Department of Electrical and Electronics Engineering, New Horizon College of Engineering** of Visvesvaraya Technological University, Belgaum during the Year 2022-23.

It is certified that the report submitted in the department library contains all revisions and suggestions identified for internal assessment. The project report has been authorized because it complies with the academic standards for project work required for the aforementioned Degree.

Name & Signature of the Project Guide	Name & Signature of Head of the Department
Prof. Sangeetha C.N	Department of Electrical and Electronics Engineering New Horizon College of Engineering Ring Road, Kadubisanahalli, Bellandur Post. Bangalore - 560103, Karnataka, India

SEMESTER END EXAMINATION

Internal Examiner



External Examiner
Dr. Raghu.N. Jain
Jain university

ACKNOWLEDGEMENT

I would want to take this opportunity to express my appreciation to everyone who was so nice as to provide their suggestions and help when necessary, which enabled the project to be completed successfully.

We grateful to the Chairman of New Horizon Educational Institution, **Dr. MOHAN MANGHNANI** for providing with infrastructural facilities and many other resources needed for our project. I would like to express my immense gratitude to our principal, **Dr. MANJUNATHA** for motivating us to carry out research in the NHCE and **Dr. SUJITHA S.**, Head of the department for providing the ideal environment for carrying out the work and the facilities supplied to me, as well as for their ongoing encouragement and support, which inspired me to develop this project.

I would like to extend my sincere gratitude to my project advisor Prof. Sangeetha C.N. of the Department of Electrical and Electronics Engineering at the New Horizon College of Engineering for her expert direction, persistent monitoring, timely suggestions, and constructive criticism that helped me successfully complete my project on schedule.

I want to thank the entire faculty in the department of electrical and electronic engineering for their assistance with the project.

I want to express my gratitude to my parents for their support and assistance in getting the project finished.

Last but not least, I'd want to express my gratitude to all of my friends, without whose help and cooperation the project's completion would not have been possible.

AGARWAL RAHAT **1NH19EE007**

CHIRAG PATHAK **1NH19EE025**





DEEPAK KUMAR SAH **1NH19EE029**

FAOZ FIROZ **1NH19EE035**

DECLARATION

We AGARWAL RAHAT MANOJ-1NH19EE007, CHIRAG PATHAK-1NH19EE025, DEEPAK KUMAR SAH-1NH19EE029, FAOZ FIROZ BASHEER-1NH19EE035, students of New Horizon College of Engineering hereby declare that this project work entitled "Novel Technique to mitigate Fire in Battery Management System of Electric Vehicle" is a genuine and authentic work that I completed at New Horizon College of Engineering as a requirement for my Electrical and Electronics Engineering Bachelor of Engineering degree from Visvesvaraya Technological University, Belgaum.

We further declare that, to the best of our knowledge and belief, the work reported here does not constitute a portion of any prior thesis or dissertation that constituted the basis for any degree or award previously granted to any student.

AGARWAL RAHAT	1NH19EE007	[]
CHIRAG PATHAK	1NH19EE025	[]
DEEPAK KUMAR SAH	1NH19EE029	[]
FAOZ FIROZ	1NH19EE035	[]

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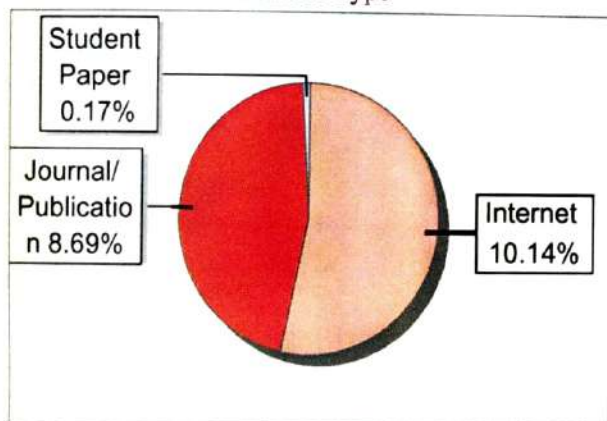
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Title	Project
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Submission Date	2023-05-11 09:39:50
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Document type	Project Work

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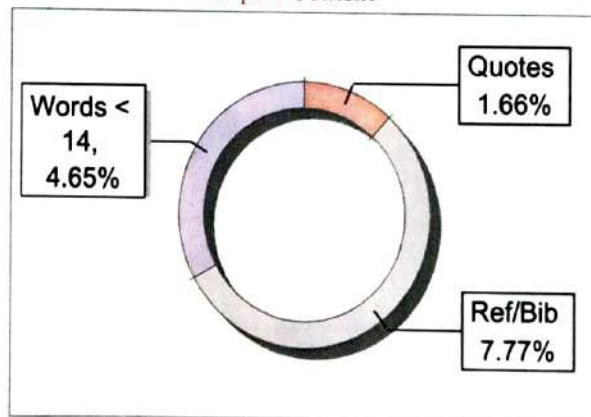
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3	Course	UG
4	Department	EEE
5	Mini Projects/Project Reports/ Ph.D Synopsis/ Ph.D Thesis/ Paper Publication (N/I)	Project Phase II Report
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8	Acceptable maximum limit (%) of similarity	25%
9	Date of Verification	10.05.2023
10	Checked by (Name with signature)	Ms.Anitha.A
11	Specific remarks, if any :	No

We have verified the contents as summarized above and certified that the statement made above are true to the best of our knowledge and belief.

Ms.Anitha.A
Plagiarism - Coordinator

Dr. S.Sujitha
HOD - EEE

Head of the Department
Department of Electrical and Electronics Engineering
New Horizon College of Engineering
Ring Road, Kadubisanahalli, Bellandur Post,
Bangalore - 560103, Karnataka, India



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

20EEE84A Project - Phase II

Report on

**IMPLEMENTATION OF PREPAID ENERGY METER
WITH THEFT DETECTION USING IoT**

Submitted in the partial fulfilment of the Final Year Project - Phase II

Submitted by

AISHWARYA P	1NH19EE008
CHARISHMA A	1NH19EE023
GAUTAMMEE K K	1NH19EE042
KESAMREDDY DEEPTHI	1NH19EE055

Under the Guidance of

Dr.Vinoth Kumar K

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

“Jnana Sangama”, Belgaum: 590018



2022-23



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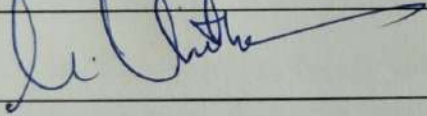
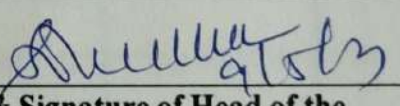
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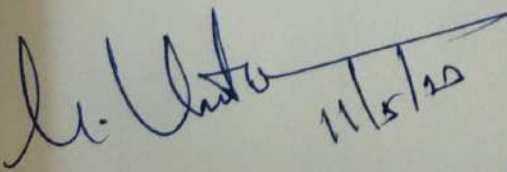
CERTIFICATE

Certified that the Project work entitled "Implementaion of Prepaid Energy Meter with Theft Detection using IoT" carried out by Aishwarya P(1NH19EE008),Charishma A(1NH19EE023), Gautamnee K K(1NH19EE042),Kesamreddy Deepthi(1NH19EE055), Bonafide Student(s) of New Horizon College of Engineering submitted the report in the partial fulfilment for the award of Bachelor of Engineering in Department of Electrical and Electronics Engineering, New Horizon College of Engineering of Visvesvaraya Technological University, Belgaum during the Year 2022-23.

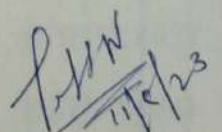
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Name & Signature of the Project Guide	Name & Signature of Head of the Department
Dr. Vinoth Kumar K	Head of the Department Department of Electrical and Electronics Engineering Dr. Sujitha S New Horizon College of Engineering Ring Road, Kadubisanahalli, Bellandur Post. Bangalore - 560103, Karnataka, India

SEMESTER END EXAMINATION held on 11.5.23


11/5/23
Internal Examiner




11/5/23
External Examiner

ACKNOWLEDGEMENT

I take this opportunity to convey my gratitude to all those who have been kind enough to offer their advice and provide assistance when needed which has led to the successful completion of the project.

We are grateful to the Chairman of New Horizon Educational Institution, **Dr. MOHAN MANGHNANI** for providing with infrastructural facilities and many other resources needed for our project. I would like to express my immense gratitude to our principal, **Dr. MANJUNATHA** for motivating us to carry out research in the NHCE and **Dr. SUJITHA.S**, Head of the department for their constant support and motivation that has encouraged me to come up with this project and also for providing the right ambience for carrying out the work and the facilities provided to me.

I express my warm thanks to my project guide **Dr. Vinoth Kumar K**, Department of Electrical and Electronics Engineering, New Horizon College of Engineering for his/her skilful guidance, constant supervision, timely suggestion and constructive criticism in successful completion of my project in time.

I wish to thank all the faculty of Electrical and Electronics Engineering department for providing required support throughout the project.

I would like to thank my parents for supporting and helping in the completion of the project.

Last but not the least I would like to thank all my friends without whose support and co-operation the completion of project would not have been possible.

AISHWARYA P 1NH19EE008

CHARISHMA A 1NH19EE023

GAUTAMMEE K K 1NH19EE042

KESAMREDDY DEEPTHI 1NH19EE055

DECLARATION

We, **Aishwarya P(1NH19EE008)**, **Charishma A(1NH19EE023)**, **Gautammee K K(1NH19EE042)**, **Kesamreddy Deepthi(1NH19EE055)**, students of New Horizon College of Engineering hereby declare that this project work entitled "IMPLEMENTATION OF PREPAID ENERGY METER WITH THEFT DETECTION USING IoT" is an original and bonafide work carried out by me at New Horizon College of Engineering in partial fulfillment of Bachelor of Engineering in Electrical and Electronics Engineering of Visvesvaraya Technological University, Belgaum.

We also declare that, to the best of our knowledge and belief, the work reported herein does not form part of any other thesis or dissertation based on which a degree or award was conferred on an earlier occasion by any student.

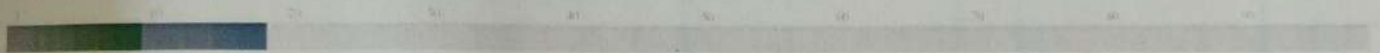
AISHWARYA P	1NH19EE008	[<i>Aishwarya</i>]]
CHARISHMA A	1NH19EE023	[<i>A. Charishma</i>]]
GAUTAMMEE K K	1NH19EE042	[<i>Gautammee K. K</i>]]
KESAMREDDY DEEPTHI	1NH19EE055	[<i>Deepthi K.</i>]]

Submission Information

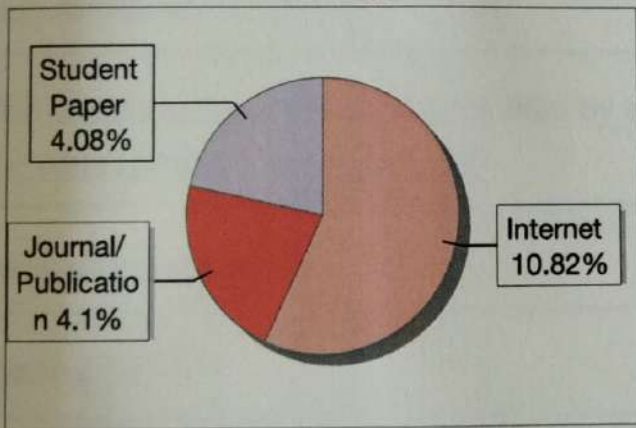
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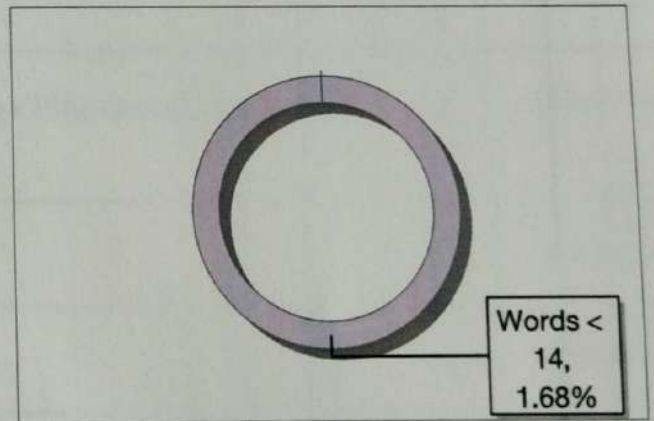
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1	Name of the Student	AISHWARYA P CHARISHMA A GAUTAMMEE KK KESAMREDDY DEEPTHI
2	USN	1NH19EE008 1NH19EE023 1NH19EE042 1NH19EE055
3	Course	UG
4	Department	EEE
5	Mini Projects/Project Reports/ Ph.D Synopsis/ Ph.D Thesis/ Paper Publication (N/I)	Project Phase II Report
6	Title of the Document	IMPLEMENTATION OF PREPAID ENERGY METER WITH THEFT DETECTION USING IOT
7	Similar Content(%)identified	19%
8	Acceptable maximum limit (%) of similarity	25%
9	Date of Verification	10.05.2023
10	Checked by (Name with signature)	Ms.Anitha.A
11	Specific remarks, if any :	No

We have verified the contents as summarized above and certified that the statement made above are true to the best of our knowledge and belief.

Ms.Anitha.A

Plagiarism - Coordinator

Dr. S.Sujitha
HOD - EEE

Department of Electrical and Electronics Engineering
New Horizon College of Engineering
Ring Road, Kadubisanahalli, Bellandur Post.
Bangalore - 560103, Karnataka, India

PROJECT IMAGES

PROJECT TITLE: Implementation of Prepaid Energy Meter with Theft Detection using IoT.

AISHWARYA P

1NH19EE008

CHARISHMA A

1NH19EE023

GAUTAMMEE K K

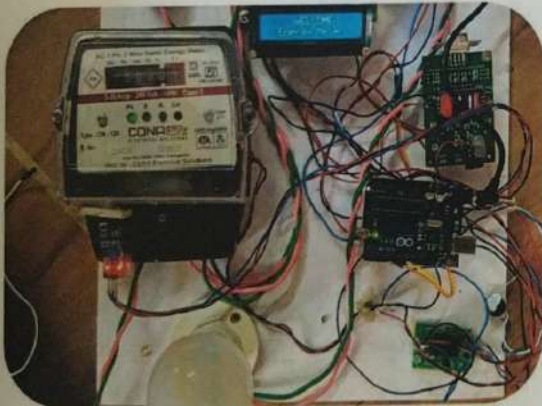
1NH19EE042

KESAMREDDY DEEPTHI

1NH19EE055

Under the Guidance

Dr. Vinoth Kumar K



HARDWARE CONNECTIONS



HARDWARE WITH LOAD



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

20EEE84A Project - Phase II

Report on

**Implementation of Accident Detection and Reporting
System Using IOT**

Submitted in the partial fulfillment of the Final Year Project - Phase II

Submitted by

AISHWARYA V H 1NH19EE009

AKSHATHA SHREE S 1NH19EE011

ANUSHA S 1NH19EE019

KHUSHI J 1NH19EE057

Under the Guidance of

Dr. R. MOHAN DAS

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

“Jnana Sangama”, Belgaum: 590018



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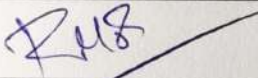
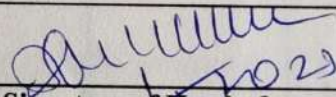
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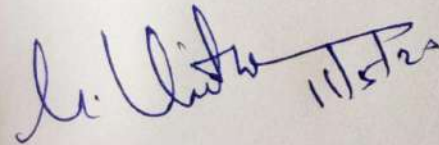
CERTIFICATE

Certified that the Project work entitled **"Implementation Of Accident Detection and Reporting System Using IOT"** carried out by Aishwarya V H(1NH19EE009), Akshatha Shree S(1NH19EE011), Anusha S(1NH19EE019), Khushi J(1NH19EE057), Bonafide Student(s) of New Horizon College of Engineering submitted the report in the partial fulfilment for the award of Bachelor of Engineering in **Department of Electrical and Electronics Engineering, New Horizon College of Engineering** of Visvesvaraya Technological University, Belgaum during the Year 2022-23.

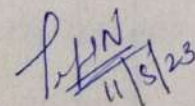
It is certified that all the corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for said Degree.

	
Name & Signature of the Project Guide	Name & Signature of Head of the Department
Dr. R. Mohan Das	Dr. Sujitha S Head of the Department Department of Electrical and Electronics Engineering New Horizon College of Engineering Ring Road, Kaduganahalli, Bellandur Post, Bengaluru - 560103, Karnataka, India

SEMESTER END EXAMINATION


Internal Examiner




External Examiner

20EEE84A Project - Phase II

ACKNOWLEDGEMENT

I take this opportunity to convey my gratitude to all those who have been kind enough to offer their advice and provide assistance when needed which has led to the successful completion of the project.

We are grateful to the Chairman of New Horizon Educational Institution, **Dr. MOHAN MANGHNANI** for providing with infrastructural facilities and many other resources needed for our project. I would like to express my immense gratitude to our principal, **Dr. MANJUNATHA** for motivating us to carry out research in the NHCE and **Dr. SUJITHA.S**, Head of the department for their constant support and motivation that has encouraged me to come up with this project and also for providing the right ambience for carrying out the work and the facilities provided to me.

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AISHWARYA V H 1NH19EE009

AKSHATHA SHREE S 1NH19EE011

ANUSHA S 1NH19EE019

KHUSHI J 1NH19EE057

20EEE84A Project - Phase II

DECLARATION

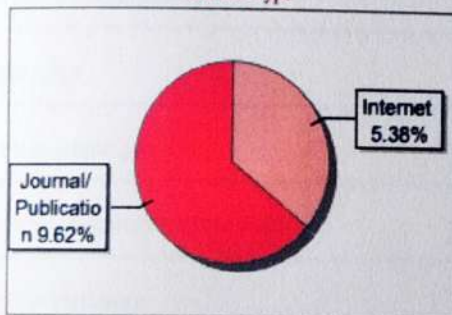
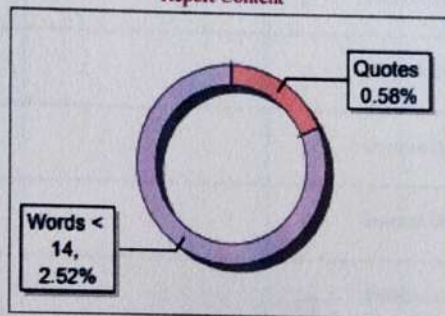
We, **Aishwarya V H(1NH19EE009), Akshatha Shree S(1NH19EE011), Anusha S(1NH19EE019), Khushi J(1NH19EE057)**, students of New Horizon College of Engineering hereby declare that this project work entitled **“Implementation of Accident Detection and Reporting System Using IOT”** is an original and bonafide work carried out by me at New Horizon College of Engineering in partial fulfillment of Bachelor of Engineering in Electrical and Electronics Engineering of Visvesvaraya Technological University, Belgaum.

We also declare that, to the best of our knowledge and belief, the work reported herein does not form part of any other thesis or dissertation based on which a degree or award was conferred on an earlier occasion by any student.

AISHWARYA V H	1NH19EE009	Aishwarya.V.A
AKSHATHA SHREE S	1NH19EE011	[Akshatha.S]
ANUSHA S	1NH19EE019	[Anusha]
KHUSHI J	1NH19EE057	[K]

Submission Information

Author Name	Mohan Das Sir Batch
Title	Project
Paper/Submission ID	736554
Submission Date	2023-05-09 09:45:14
Total Pages	28
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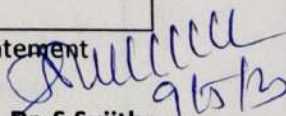
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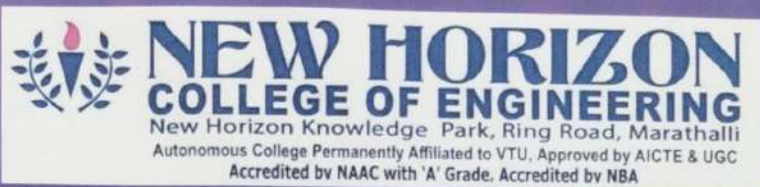
1	Name of the Student	AISHWARYA V H AKSHATHA SHREE ANUSHA S KHUSHI J VIBHUTHI
2	USN	1NH19EE009 1NH19EE011 1NH19EE019 1NH19EE057
3	Course	UG
4	Department	EEE
5	Mini Projects/Project Reports/ Ph.D Synopsis/ Ph.D Thesis/ Paper Publication (N/I)	Project Phase II Report
6	Title of the Document	ACCIDENT DETECTION AND REPORTING SYSTEM USING IOT
7	Similar Content(%)identified	15%
8	Acceptable maximum limit (%) of similarity	25%
9	Date of Verification	09.05.2023
10	Checked by (Name with signature)	Ms.Anitha.A
11	Specific remarks, if any :	No

We have verified the contents as summarized above and certified that the statements made above are true to the best of our knowledge and belief.

Ms.Anitha.A
Plagiarism - Coordinator


Dr. S. Sujitha
HOD - EEE

Head of the Department
Department of Electrical and Electronics Engineering
New Horizon College of Engineering
Ring Road, Kadubisanahalli, Bellandur Post,
Bangalore - 560103, Karnataka, India



DEPARTMENT OF ELECTRICAL AND ELECTRONICS
ENGINEERING

20EEE78A - Project Phase II

Report on

AUTOMATIC DETECTION OF POTHOLES AND HUMPS ON THE ROAD

Submitted in the partial fulfilment of the Final Year

Project Submitted by

Akshay V	1NH19EE012
Harshavardhan T	1NH19EE044
Madivalappa	1NH20EE404
Kiran Lal V	1NH19EE058

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

“Jnana Sangham” Bangalore - 560018



2022-23

Outer Ring Road, Bellandur, Bengaluru -
560103

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



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New Horizon Knowledge Park, Ring Road, Marathalli
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CERTIFICATE

Certified that the Project Phase II work entitled "**AUTOMATIC DETECTION OF POTHoles AND HUMPS ON THE ROADS**" carried out by Akshay V (1NH19EE012), Harshavardhan T(1NH19EE044), Madivalappa (1NH20EE404), Kiran Lal V (1NH19EE058) bonafide Student(s) of New Horizon College of Engineering submitted report in the partial fulfillment for the award of Bachelor of Engineering in **Department of Electrical and Electronics Engineering, New Horizon College of Engineering of Visveswaraiah Technological University, Belgaum during the Year 2022-23.**

It is certified that all the corrections / suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project phase II work prescribed for said Degree.

Name & Signature of the project guide	Name & Signature of Head of the Department <i>[Signature]</i> Head of the Department Department of Electrical and Electronics Engineering
Dr. AGALYA V <i>[Signature]</i>	Dr. SUJITHA S New Horizon College of Engineering Ring Road, Kadubisanahalli, Bellandur Post. Bangalore - 560103, Karnataka, India

SEMESTER END EXAMINATION

[Signature]
13/5/23
Internal Examiner



[Signature]
External Examiner
Dr. Raghu.N
Jain university

DECLARATION

We Akshay V, Harshavardhan T, Madivalappa, Kiran Lal V students of New Horizon College of Engineering hereby declare that, this project phase II work entitled "Automatic Detection of potholes and Humps on the Roads" is an original and bonafide work carried out by us at New Horizon College of Engineering, Bangalore in partial fulfillment of Bachelor of Engineering in Electrical and Electronics Engineering of Visvesvaraya Technological University, Belgaum.

We also declare that, to the best of my knowledge and belief, the work reported here in does not form part of any other thesis or dissertation on the basis of which a degree or award was conferred on an earlier occasion by any student.

Akshay V - 1NH19EE012

Harshavardhan T - 1NH19EE044

Madivalappa - 1NH20EE404

Kiran Lal V - 1NH19EE058



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LIBRARY & INFORMATION CENTRE CERTIFICATE ON PLAGIARISM CHECK

1	Name of the Student	KIRAN LAL V PILLAI MADIVALAPPA AKSHAY V HARSHAVARDHAN T
2	USN	1NH19EE058 1NH20EE404 1NH19EE012 1NH19EE044
3	Course	UG
4	Department	EEE
5	Mini Projects/Project Reports/ Ph.D Synopsis/ Ph.D Thesis/ Paper Publication (N/I)	Project Phase II Report
6	Title of the Document	AUTOMATIC DETECTION OF POTHoles AND HUMPS ON THE ROAD
7	Similar Content(%)identified	23%
8	Acceptable maximum limit (%) of similarity	25%
9	Date of Verification	10.05.2023
10	Checked by (Name with signature)	Ms.Anitha.A
11	Specific remarks, if any :	No

We have verified the contents as summarized above and certified that the statement made above are true to the best of our knowledge and belief.

Ms.Anitha.A
Plagiarism - Coordinator

Dr. S.Sujitha
HOD - EEE

ACKNOWLEDGEMENT

We take this opportunity to convey my gratitude to all those who have been kind enough to offer their advice and provide assistance when needed which has led to the successful completion of the project phase I.

We would like to express my immense gratitude to our principal, Dr.Manjunatha and Dr.Mahesh.M Head of the department for their constant support and motivation that has encouraged me to come up with this project and also for providing the right ambience for carrying out the work and the facilities provided to me.

We express our warm thanks to my project guide Professor/EEE and Associate Head R&D(IPR Cell) Dr. Agalya V, Dept.of Electrical and Electronics Engineering, New Horizon College of Engineering for his skilful guidance, constant supervision, timely suggestion and constructive criticism in successful completion of my project in time.

We wish to thank all the staff of Electrical and Electronics Department for providing me all support whenever needed.

We would like to thank my parents for supporting and helping in the completion of the project.

Last but not the least We would like to thank all my friends without whose support and co-operation the completion of project would not have been possible.

Akshay V - 1NH19EE012

Harshavardhan T - 1NH19EE044

Madivalappa - 1NH20EE404

Kiran Lal V – 1NH19EE058



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

20EEE84A Project - Phase II

Report on

AN IOT BASED SMART FARMING SYSTEM USING MACHINE LEARNING WITH PREDICTIVE ANALYSIS

Submitted in the partial fulfilment of the Final Year Project - Phase II

Submitted by

ANJANA KUMARI	1NH19EE015
HARSHITA SV	1NH19EE045
DANAMMA TODALABAGI	1NH20EE402
SNEHA DR	1NH20EE409

Under the Guidance of

Dr.B.GUNAPRIYA
(Associate Professor)

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

“Jnana Sangama”, Belgaum: 590018



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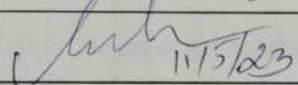
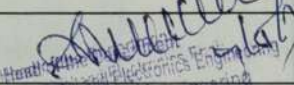
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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

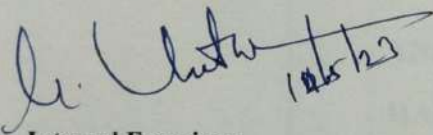
CERTIFICATE

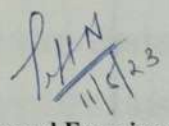
Certified that the Project work entitled **“AN IOT BASED SMART FARMING SYSTEM USING MACHINE LEARNING WITH PREDICTIVE ANALYSIS”** carried out by Anjana Kumari (1NH19EE015), Harshita SV (1NH19EE045), Danamma Todalabagi (1NH20EE402), Sneha DR (1NH20EE409) Bonafide Students of New Horizon College of Engineering submitted the report in the partial fulfilment for the award of Bachelor of Engineering in **Department of Electrical and Electronics Engineering, New Horizon College of Engineering** of Visvesvaraya Technological University, Belgaum during the Year 2022-23.

It is certified that all the corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for said Degree.

 11/5/23	 11/5/23
Name & Signature of the Project Guide	Name & Signature of Head of the Department
Dr. B. Gunapriya	Dr. Sujitha S

SEMESTER END EXAMINATION


12/5/23
Internal Examiner


11/5/23
External Examiner



20EEE84A Project - Phase II

ACKNOWLEDGEMENT

I take this opportunity to convey my gratitude to all those who have been kind enough to offer their advice and provide assistance when needed which has led to the successful completion of the project.

We are grateful to the Chairman of New Horizon Educational Institution **Dr. MOHAN MANGHNANI** for providing with infrastructural facilities and many other resources needed for our project. I would like to express my immense gratitude to our principal, **Dr. MANJUNATHA** for motivating us to carry out research in the NHCE and **Dr. SUJITHA.S**, Head of the department for their constant support and motivation that has encouraged me to come up with this project and also for providing the right ambience for carrying out the work and the facilities provided to me.

I express my warm thanks to my project guide **Dr. B. GUNAPRIYA**, Department of Electrical and Electronics Engineering, New Horizon College of Engineering for his/her skilful guidance, constant supervision, timely suggestion and constructive criticism in successful completion of my project in time.

I wish to thank all the faculty of Electrical and Electronics Engineering department for providing required support throughout the project.

I would like to thank my parents for supporting and helping in the completion of the project.

Last but not the least I would like to thank all my friends without whose support and co-operation the completion of project would not have been possible.

ANJANA KUMARI	1NH19EE015
HARSHITA SV	1NH19EE045
DANAMMA TODALABAGI	1NH20EE402
SNEHA DR	1NH20EE409

20EEE84A Project - Phase II

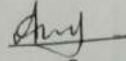
DECLARATION

We, Anjana Kumari (INH19EE015), Harshita SV (INH19EE045) , Danamma Todalabagi (INH20EE402) , Sneha DR (INH20EE409) students of New Horizon College of Engineering hereby declare that this project work entitled "AN IOT BASED SMART FARMING SYSTEM USING MACHINE LEARNING WITH PREDICTIVE ANALYSIS" is an original and bonafide work carried out by me at New Horizon College of Engineering in partial fulfillment of Bachelor of Engineering in Electrical and Electronics Engineering of Visvesvaraya Technological University, Belgaum.

We also declare that, to the best of our knowledge and belief, the work reported herein does not form part of any other thesis or dissertation based on which a degree or award was conferred on an earlier occasion by any student.

ANJANA KUMARI

INH19EE015



HARSHITA SV

INH19EE045



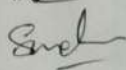
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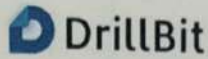
INH20EE402



SNEHA DR

INH20EE409





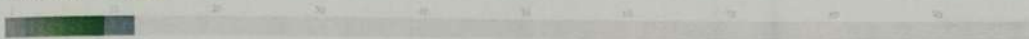
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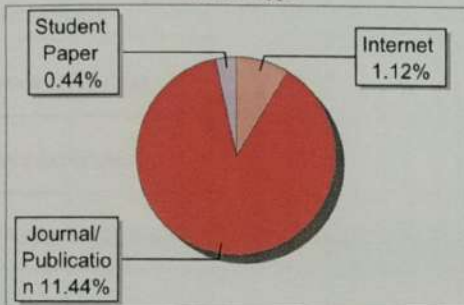
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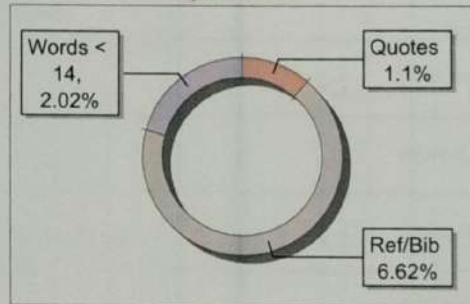
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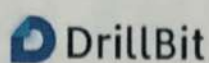


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3	inpressco.com	1	Publication
4	advanced dsm generation matching technique for stereo imagery - Submitted to JNTUH,TELANGANA By '15031D3206'	<1	Student Paper
5	www.ijtrd.com	<1	Publication
6	docplayer.net	<1	Internet Data
7	Thesis Submitted to Shodhganga, shodhganga.inflibnet.ac.in	<1	Publication
8	www.ijesd.org	<1	Publication
9	llibrary.co	<1	Internet Data
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2	USN	1NH19EE015 1NH19EE045 1NH20EE402 1NH20EE409
3	Course	UG
4	Department	EEE
5	Mini Projects/Project Reports/ Ph.D Synopsis/ Ph.D Thesis/ Paper Publication (N/I)	Project Phase II Report
6	Title of the Document	AN IOT BASED SMART FARMING SYSTEM USING MACHINE LEARNING WITH PREDICTIVE ANALYSIS
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9	Date of Verification	09.05.2023
10	Checked by (Name with signature)	Ms.Anitha.A
11	Specific remarks, if any :	No

We have verified the contents as summarized above and certified that the statement made above are true to the best of our knowledge and belief.

Ms.Anitha.A

Plagiarism - Coordinator

Dr. S.Sujitha

HOD - EEE

Head of the Department
Department of Electrical and Electronics Engineering
New Horizon College of Engineering
Ring Road, Kadubisanahalli, Bellandur Post
Bangalore - 560103, Karnataka, India

20EEE84A Project - Phase II

PROJECT IMAGES

**PROJECT TITLE : AN IOT BASED SMART FARMING SYSTEM
USING MACHINE LEARNING WITH PREDICTIVE ANALYSIS**

ANJANA KUMARI

1NH19EE015

HARSHITA SV

1NH19EE045

DANAMMA TODALABAGI

1NH20EE402

SNEHA DR

1NH20EE409

Under the Guidance of

Dr.B.GUNAPRIYA
(Associate Professor)

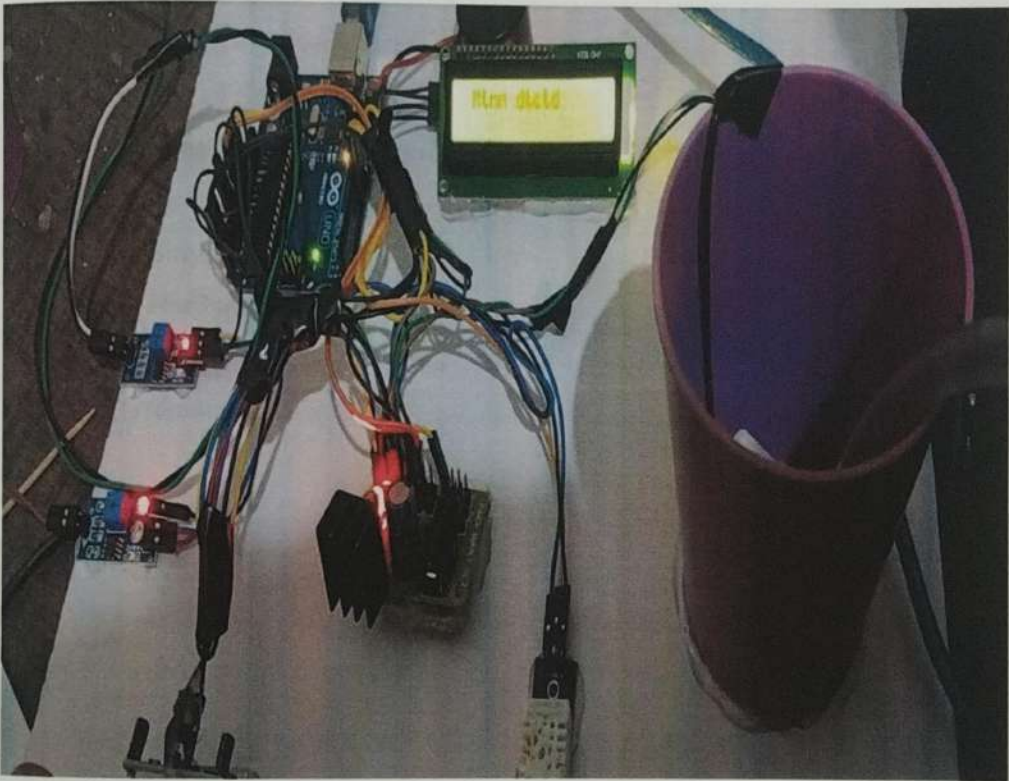


Fig.01. Hardware Component



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

20EEE84A Project - Phase II

Report on

PLANT DISEASE DETECTION USING CONVOLUTION NEURAL NETWORK

Submitted in the partial fulfilment of the Final Year Project - Phase II

Submitted by

ANOOPKUMAR H S 1NH19EE018

CHETHAN D R 1NH19EE024

DEEKSHITH MORE B 1NH19EE028

KUSHAL A Y 1NH19EE062

Under the Guidance of

Prof. Mr. SATISHKUMAR D

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

“Jnana Sangama”, Belgaum: 590018



2022-23



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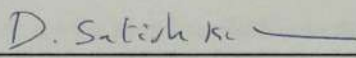
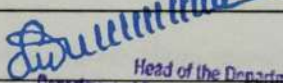
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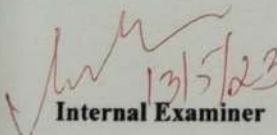
CERTIFICATE

Certified that the Project work entitled "PLANT DISEASE DETECTION USING CONVOLUTION NEURAL NETWORK" carried out by ANOOPKUMAR H S (INH19EE018), CHETHAN D R (INH19EE024), DEEKSHITH MORE B (INH19EE028), KUSHAL A Y (INH19EE062) Bonafide Student(s) of New Horizon College of Engineering submitted the report in the partial fulfilment for the award of Bachelor of Engineering in Department of Electrical and Electronics Engineering, New Horizon College of Engineering of Visvesvaraya Technological University, Belgaum during the Year 2022-23.

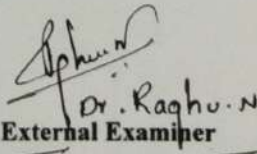
It is certified that all the corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for said Degree.

 D. Satish Kumar	 Head of the Department
Name & Signature of the Project Guide	Name & Signature of Head of the Department
Mr. Satishkumar D	Department of Electrical and Electronics Engineering New Horizon College of Engineering Ring Road, Kadubisanahalli, Bellandur Post. Bangalore - 560103, Karnataka, India Dr. Sujitha.S

SEMESTER END EXAMINATION


13/5/23
Internal Examiner




Dr. Raghu N
External Examiner
Jain University

ACKNOWLEDGEMENT

I take this opportunity to convey my gratitude to all those who have been kind enough to offer their advice and provide assistance when needed which has led to the successful completion of the project.

We are grateful to the Chairman of New Horizon Educational Institution, Dr. MOHAN MANGHNANI for providing with infrastructural facilities and many other resources needed for our project. I would like to express my immense gratitude to our principal, Dr. MANJUNATHA for motivating us to carry out research in the NHCE and Dr. SUJITHA.S, Head of the department for their constant support and motivation that has encouraged me to come up with this project and also for providing the right ambience for carrying out the work and the facilities provided to me.

I express my warm thanks to my project guide Mr. SATISHKUMAR D, Department of Electrical and Electronics Engineering, New Horizon College of Engineering for his/her skilful guidance, constant supervision, timely suggestion and constructive criticism in successful completion of my project in time.

I wish to thank all the faculty of Electrical and Electronics Engineering department for providing required support throughout the project.

I would like to thank my parents for supporting and helping in the completion of the project.

Last but not the least I would like to thank all my friends without whose support and co-operation the completion of project would not have been possible.

ANOOPKUMAR H S	1NH19EE018
CETHAN D R	1NH19EE024
DEEKSHITH MORE B	1NH19EE028
KUSHAL A Y	1NH19EE062

DECLARATION

We, ANOOPKUMAR H S (INH19EE018), CHETHAN D R (INH19EE024), DEEKSHITH MORE B (INH19EE028), KUSHAL A Y (INH19EE062) students of New Horizon College of Engineering hereby declare that this project work entitled "PLANT DISEASE DETECTION USING CONVOLUTION NEURAL NETWORK" is an original and bonafide work carried out by me at New Horizon College of Engineering in partial fulfillment of Bachelor of Engineering in Electrical and Electronics Engineering of Visvesvaraya Technological University, Belgaum.

We also declare that, to the best of our knowledge and belief, the work reported herein does not form part of any other thesis or dissertation based on which a degree or award was conferred on an earlier occasion by any student.

ANOOPKUMAR H S	INH19EE018	<i>Anoopkumar H.S</i>
CHETHAN D R	INH19EE024	<i>Chethan DR</i>
DEEKSHITH MORE B	INH19EE028	<i>Deekshith</i>
KUSHAL A Y	INH19EE062	<i>Kushal A.Y</i>

Submission Information

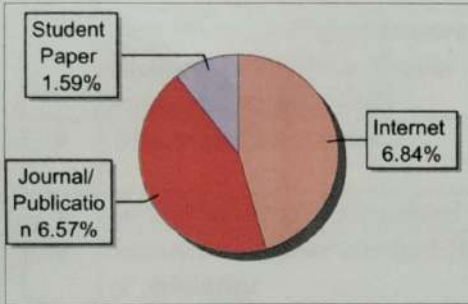
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Title	Project
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Submission Date	2023-05-09 11:04:45
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Document type	Project Work

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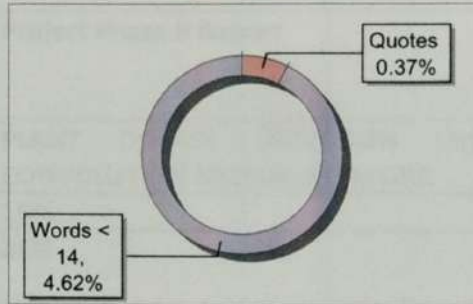
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LIBRARY & INFORMATION CENTRE CERTIFICATE ON PLAGIARISM CHECK

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2	USN	1NH19EE018 1NH19EE024 1NH19EE028 1NH19EE062
3	Course	UG
4	Department	EEE
5	Mini Projects/Project Reports/ Ph.D Synopsis/ Ph.D Thesis/ Paper Publication (N/I)	Project Phase II Report
6	Title of the Document	PLANT DISEASE DETECTION USING CONVOLUTION NEURAL NETWORK
7	Similar Content(%)identified	15%
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10	Checked by (Name with signature)	Ms.Anitha.A
11	Specific remarks, if any :	No

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Ms.Anitha.A
Plagiarism - Coordinator

Dr. S.Sujitha
HOD - EEE

PROJECT IMAGES

PROJECT TITLE: PLANT DISEASE DETECTION USING CONVOLUTION NEURAL NETWORK

ANOOPKUMAR H S 1NH19EE018

CHETHAN D R 1NH19EE024

DEEKSHITH MORE B 1NH19EE028

KUSHAL A Y 1NH19EE062

Under the Guidance of

Prof. Mr. SATISHKUMAR D



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Outer Ring Road, Bellandur, Bengaluru – 560103

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

20EEE84A Project - Phase II

Report on

PLC BASED 3-AXIS ROUTER MACHINE

Submitted in the partial fulfilment of the Final Year Project - Phase II

Submitted by

DECHAMMA V S 1NH19EE027

J LIKITHA 1NH19EE047

JAYANTH R 1NH19EE050

PRAJWAL R M 1NH20EE407

Under the Guidance of

Prof. Vinod Kumar S

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

“Jnana Sangama”, Belgaum: 590018



2022-23



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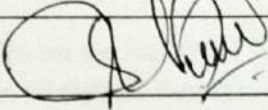
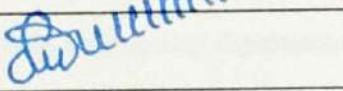
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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

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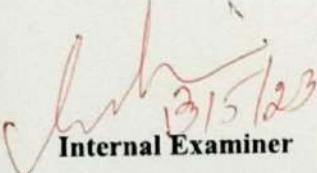
Certified that the Project work entitled "PLC Based 3-Axis Router Machine" carried out by Dechamma V S (INH19EE027), J Likitha (INH19EE047), Jayanth R (INH19EE050), Prajwal R M (INH20EE407), Bonafide Student(s) of New Horizon College of Engineering submitted the report in the partial fulfilment for the award of Bachelor of Engineering in Department of Electrical and Electronics Engineering, New Horizon College of Engineering of Visvesvaraya Technological University, Belgaum during the Year 2022-23.

It is certified that all the corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for said Degree.

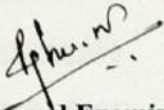
	
Name & Signature of the Project Guide	Name & Signature of Head of the Department
Prof. Vinod Kumar S	Dr. Sujitha S

Head of the Department
Department of Electrical and Electronics Engineering
New Horizon College of Engineering
Ring Road, Kadubisanahalli, Bellandur P
Bangalore - 560103, Karnataka, India

SEMESTER END EXAMINATION


Internal Examiner




External Examiner
Dr. Baghu N
Jain university

20EEE84A Project - Phase II

ACKNOWLEDGEMENT

I take this opportunity to convey my gratitude to all those who have been kind enough to offer their advice and provide assistance when needed which has led to the successful completion of the project.

We are grateful to the Chairman of New Horizon Educational Institution, **Dr. MOHAN MANGHNANI** for providing with infrastructural facilities and many other resources needed for our project. I would like to express my immense gratitude to our principal, **Dr. MANJUNATHA** for motivating us to carry out research in the NHCE and **Dr. SUJITHA.S**, Head of the department for their constant support and motivation that has encouraged me to come up with this project and also for providing the right ambience for carrying out the work and the facilities provided to me.

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I wish to thank all the faculty of Electrical and Electronics Engineering department for providing required support throughout the project.

I would like to thank my parents for supporting and helping in the completion of the project.

Last but not the least I would like to thank all my friends without whose support and co-operation the completion of project would not have been possible.

DECHAMMA V S 1NH19EE027

J LIKITHA 1NH19EE047

JAYANTH R 1NH19EE050

PRAJWAL R M 1NH20EE407

20EEE84A Project - Phase II

DECLARATION

We, **Dechamma V S (INH19EE027)**, **J Likitha (INH19EE047)**, **Jayanth R (INH19EE050)**, **Prajwal R M (INH20EE407)**, students of New Horizon College of Engineering hereby declare that this project work entitled “**PLC Based 3-Axis Router Machine**” is an original and bonafide work carried out by me at New Horizon College of Engineering in partial fulfillment of Bachelor of Engineering in Electrical and Electronics Engineering of Visvesvaraya Technological University, Belgaum.

We also declare that, to the best of our knowledge and belief, the work reported herein does not form part of any other thesis or dissertation based on which a degree or award was conferred on an earlier occasion by any student.

DECHAMMA V S

INH19EE027

[*Dechamma*]

J LIKITHA

INH19EE047

[*J Likitha*]

JAYANTH R

INH19EE050

[*Jay*]

PRAJWAL R M

INH20EE407

[*Prajwal R M*]



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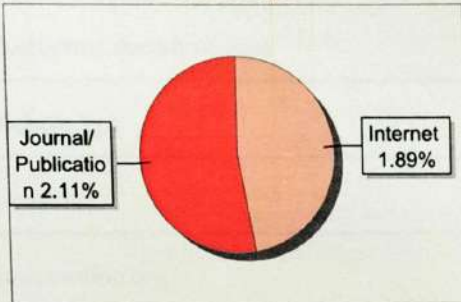
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Title	Project
Paper/Submission ID	738071
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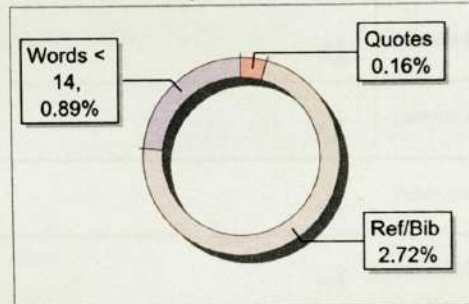
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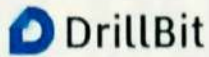


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1	Name of the Student	DECHAMMA V S J LIKITHA JAYANTH R PRAJWAL R M
2	USN	1NH19EE027 1NH19EE047 1NH19EE050 1NH20EE407
3	Course	UG
4	Department	EEE
5	Mini Projects/Project Reports/ Ph.D Synopsis/ Ph.D Thesis/ Paper Publication (N/I)	Project Phase II Report
6	Title of the Document	PLC BASED 3-AXIS ROUTER MACHINE
7	Similar Content(%)identified	04%
8	Acceptable maximum limit (%) of similarity	25%
9	Date of Verification	10.05.2023
10	Checked by (Name with signature)	Ms.Anitha.A
11	Specific remarks, if any :	No

We have verified the contents as summarized above and certified that the statement made above are true to the best of our knowledge and belief.


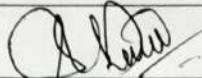
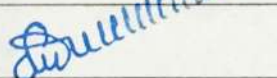
Ms.Anitha.A
Plagiarism - Coordinator

Dr. S.Sujitha
HOD - EEE

NEWLINE ENGINEERS AND DESIGNERS
Hosahalli, Gollarapaalya, Bengaluru - 560091

CERTIFICATE

Certified that the Final Year Project Phase-II work entitled “**PLC BASED 3-AXIS ROUTER MACHINE**” carried out by **Prajwal R M (1NH20EE407)**, **Dechamma V S (1NH19EE027)**, **J Likitha (1NH19EE047)**, **Jayanth R (1NH19EE050)**, Bonafide students of New Horizon College of Engineering in partial fulfilment for the award of **Bachelor of Engineering** in Electrical and Electronics Engineering of the Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that he/she has completed the project satisfactorily.

		
Name & Signature of the Project External Guide	Name & Signature of the Internal Guide	Name & Signature of Head of the Department
Mr. Sanjay Sanil Application Engineer – AMM	Prof. Vinod Kumar S	Dr.Sujitha.S



20EEE84A Project - Phase II

PROJECT IMAGES

PROJECT TITLE : PLC BASED 3-AXIS ROUTER MACHINE

DECHAMMA V S 1NH19EE027

J LIKITHA 1NH19EE047

JAYANTH R 1NH19EE050

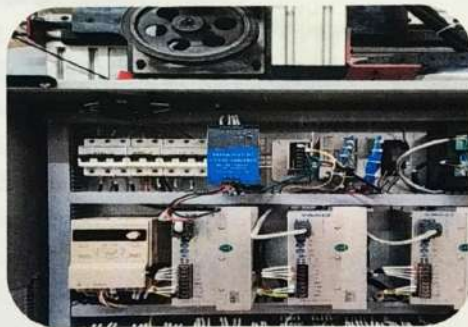
PRAJWAL R M 1NH20EE407

Under the Guidance of

Prof. Vinod Kumar S



Machine Hardware



Electrical Control Panel Box



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

20EEE83A Project - Phase II Report on

**REMOTE HEALTH MONITORING SYSTEM FOR
PATIENTS**

Submitted in the partial fulfillment of the Final Year Project - Phase II

Submitted by

Dhruva S Srinivas 1NH19EE032

Abhishek 1NH19EE003

Anil Hegde H 1NH19EE013

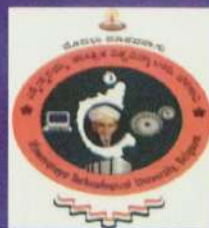
G Krishna Chaitanya 1NH19EE038

Under the Guidance of

Dr. Vinoth Kumar K

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

“Jnana Sangama”, Belgaum: 590018



2022-23



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

CERTIFICATE

Certified that the Project work entitled "**Remote Health Monitoring system for Patients**" carried out by **Dhruva S Srinivas(INH19EE042)**, **Abhishek(INH19EE003)**, **Anil Hegde H(INH19EEO13)**, **G Krishna Chaitanya (INH19EE013)**, bonafide Student(s) of New Horizon College of Engineering submitted the report in the partial fulfillment for the award of Bachelor of Engineering in **Department of Electrical and Electronics Engineering, New Horizon College of Engineering** of Visveswaraiah Technological University, Belgaum during the Year 2022-23.

It is certified that all the corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for said Degree.

	
Name & Signature of the Project Guide	Name & Signature of Head of the Department
Dr. Vinoth Kumar K	Head of the Department Department of Electrical and Electronics Engineering New Horizon College of Engineering Ring Road, Kaddurbanahalli, Bellandur Post, Dr. Sujitha S Bangalore - 560103, Karnataka, India

SEMESTER END EXAMINATION held on 11.5.23


11/5/23

Internal Examiner


11/5/23

External Examiner



ACKNOWLEDGEMENT

I take this opportunity to convey my gratitude to all those who have been kind enough to offer their advice and provide assistance when needed which has led to the successful completion of the project.

We are grateful to the Chairman of New Horizon Educational Institution, **Dr. MOHAN MANGHANI** for providing with infrastructural facilities and many other resources needed for our project. I would like to express my immense gratitude to our principal, **Dr. MANJUNATHA** for motivating us to carry out research in the NHCE and **Dr. SUJITHA.S**, Head of the department for their constant support and motivation that has encouraged me to come up with this project and also for providing the right ambience for carrying out the work and the facilities provided to me.

I express my warm thanks to my project guide **Dr. Vinoth Kumar K**, Department of Electrical and Electronics Engineering, New Horizon College of Engineering for his/her skilful guidance, constant supervision, timely suggestion and constructive criticism in successful completion of my project in time.

I wish to thank all the faculty of Electrical and Electronics Engineering department for providing required support through out the project.

I would like to thank my parents for supporting and helping in the completion of the project.

Last but not the least I would like to thank all my friends without whose support and co-operation the completion of project would not have been possible.

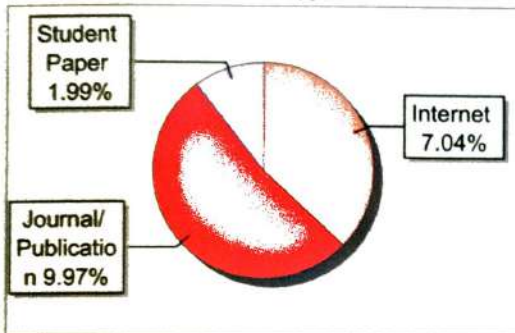
Dhruva S Srinivas	1NH19EE032
Abhishek	1NH19EE003
Anil Hegde H	1NH19EE013
G Krishna Chaitanya	1NH19EE038

Submission Information

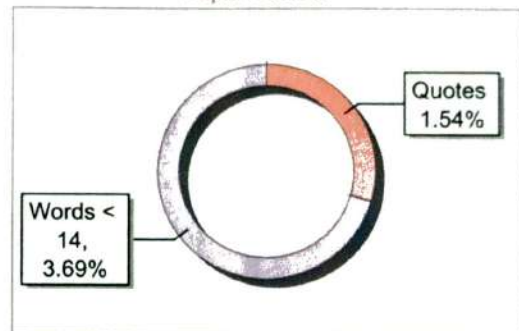
Author Name	Dr. Vinoth Suresh Batch
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2	USN	1NH19EE003 1NH19EE013 1NH19EE032 1NH19EE038
3	Course	UG
4	Department	EEE
5	Mini Projects/Project Reports/ Ph.D Synopsis/ Ph.D Thesis/ Paper Publication (N/I)	Project Phase II Report
6	Title of the Document	REMOTE HEALTH MONITORING SYSTEM FOR PATIENTS
7	Similar Content(%)identified	19%
8	Acceptable maximum limit (%) of similarity	25%
9	Date of Verification	09.05.2023
10	Checked by (Name with signature)	Ms.Anitha.A
11	Specific remarks, if any :	No

We have verified the contents as summarized above and certified that the statement made above are true to the best of our knowledge and belief.

Ms.Anitha.A

Plagiarism - Coordinator

Dr. S.Sujitha

HOD - EEE

Head of the Department
Department of Electrical and Electronics Engineering
New Horizon College of Engineering
Ring Road, Kadubisanahalli, Ballandur Post,
Bangalore - 560103, Karnataka, India



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

20EEE84A Project - Phase II

Report on

QUAD CHAIR PRO – SPORTS WHEELCHAIR

Submitted in the partial fulfilment of the Final Year Project - Phase II

Submitted by

M ROHITH KUMAR REDDY	1NH19EE066
HARSHITHA R	1NH19EE046
KOUSHIK P	1NH20EE403
AISIRI M URS	1NH19EE010

Under the Guidance of

Dr.Sujitha.S

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

“Jnana Sangama”, Belgaum: 590018



2022-23



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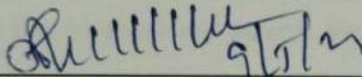
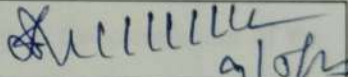
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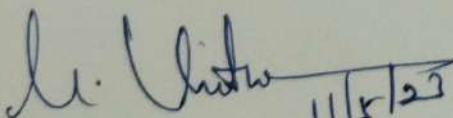
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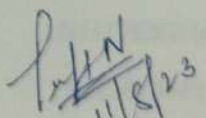
Certified that the Project work entitled "QUAD CHAIR PRO - SPORTS WHEELCHAIR" carried out by M Rohith Kumar Reddy(1NH19EE066), Harshitha R(1NH19EE046), Koushik P(1NH20EE403), Aisiri M URS(1NH19EE010) Bonafide Student(s) of New Horizon College of Engineering submitted the report in the partial fulfilment for the award of Bachelor of Engineering in Department of Electrical and Electronics Engineering, New Horizon College of Engineering of Visvesvaraya Technological University, Belgaum during the Year 2022-23.

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Name & Signature of the Project Guide	Name & Signature of Head of the Department
Dr.Sujitha.S	Dr.Sujitha.S

SEMESTER END EXAMINATION


Internal Examiner


External Examiner



ACKNOWLEDGEMENT

I take this opportunity to convey my gratitude to all those who have been kind enough to offer their advice and provide assistance when needed which has led to the successful completion of the project.

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I would like to thank my parents for supporting and helping in the completion of the project.

Last but not the least I would like to thank all my friends without whose support and co-operation the completion of project would not have been possible.

M ROHITH KUMAR REDDY	1NH19EE066
HARSHITHA R	1NH19EE046
KOUSHIK P	1NH20EE403
AISIRI M URS	1NH19EE010

DECLARATION

We, **M Rohith Kumar Reddy(1NH19EE066)**, **Harshitha R(1NH19EE046)**, **Koushik P(1NH20EE403)**, **Aisiri M URS(1NH19EE010)** students of New Horizon College of Engineering hereby declare that this project work entitled "**QUAD CHAIR PRO – SPORTS WHEELCHAIR**" is an original and bonafide work carried out by me at New Horizon College of Engineering in partial fulfillment of Bachelor of Engineering in Electrical and Electronics Engineering of Visvesvaraya Technological University, Belgaum.

We also declare that, to the best of our knowledge and belief, the work reported herein does not form part of any other thesis or dissertation based on which a degree or award was conferred on an earlier occasion by any student.

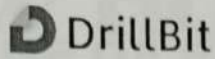
M ROHITH KUMAR REDDY **1NH19EE066**

HARSHITHA R **1NH19EE046**

KOUSHIK P **1NH20EE403**

AISIRI M URS **1NH19EE010**

M. Rohith Kumar
Harshitha R
Koushik P
Aisiri M URS



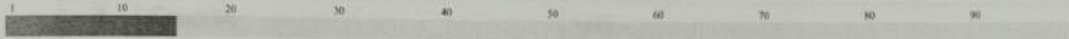
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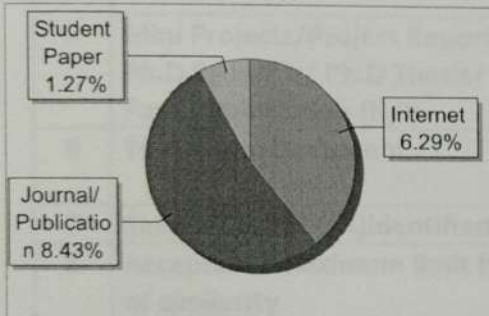
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Title	Project
Paper/Submission ID	735403
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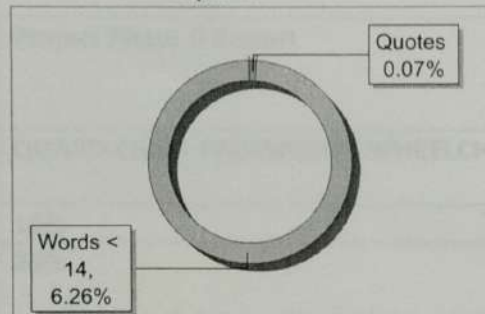
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1	Name of the Student	AISIRI M URS HARSHITHA R M ROHITH KUMAR REDDY KOUSHIK P
2	USN	1NH19EE010 1NH19EE046 1NH19EE066 1NH20EE403
3	Course	UG
4	Department	EEE
5	Mini Projects/Project Reports/ Ph.D Synopsis/ Ph.D Thesis/ Paper Publication (N/I)	Project Phase II Report
6	Title of the Document	QUARD CHAIR PRO-SPORTS WHEELCHAIR
7	Similar Content(%)identified	16%
8	Acceptable maximum limit (%) of similarity	25%
9	Date of Verification	08.05.2023
10	Checked by (Name with signature)	Ms.Anitha.A
11	Specific remarks, if any :	No

We have verified the contents as summarized above and certified that the statement made above are true to the best of our knowledge and belief.

Ms.Anitha.A
Plagiarism - Coordinator

Dr. S.Sujitha
HOD - EEE

20EEE84A Project - Phase II

PROJECT IMAGES

PROJECT TITLE: QUAD CHAIR PRO – SPORTS WHEELCHAIR

M ROHITH KUMAR REDDY	1NH19EE066
HARSHITHA R	1NH19EE046
KOUSHIK P	1NH20EE403
AISIRI M URS	1NH19EE010

Under the Guidance of

Dr. Sujitha.S



Side View of the Project



Front View



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

20EEE83A Project - Phase II

Report on

A Certain Investigation of Distribution Line in Link with Substation using GSM Technology

Submitted in the partial fulfilment of the Final Year Project - Phase II

Submitted by

Binay Kumar Yadav 1NH20EE401

Shivashankara.M 1NH20EE408

Under the Guidance of

Asst.Prof. Manochitra G

Name & Signature of the Project Guide	Name & Signature of Head of the Department
Asst.Prof Manochitra G	Dr. Sujitha.S

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

“Jnana Sangama”, Belgaum: 590018



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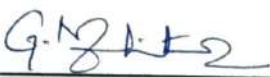

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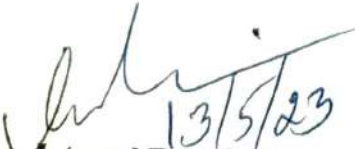
CERTIFICATE

Certified that the Project work entitled "A Certain Investigation of Distribution Line in Link with Substation using GSM Technology" carried out by Binay kumar yadav (1NH20EE401), Shivashankara.M (1NH20EE408) bonafide Student(s) of New Horizon College of Engineering submitted the report in the partial fulfilment for the award of Bachelor of Engineering in Department of Electrical and Electronics Engineering, New Horizon College of Engineering of Visvesvaraya Technological University, Belgaum during the Year 2022-23.

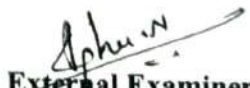
It is certified that all the corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for said Degree.

	
Name & Signature of the Project Guide	Name & Signature of Head of the Department
Ms. Manochitra G	Dr. Sujitha S Department of Electrical and Electronics Engineering New Horizon College of Engineering Ring Road, Subisanahalli, Bellandur Post, Bengaluru - 560103, Karnataka, India

SEMESTER END EXAMINATION


13/5/23
Internal Examiner




External Examiner
Dr. Raghu.N
Jain University

20EEE83A Project - Phase II

ACKNOWLEDGEMENT

I take this opportunity to convey my gratitude to all those who have been kind enough to offer their advice and provide assistance when needed which has led to the successful completion of the project.

We are grateful to the Chairman of New Horizon Educational Institution, **Dr. Mohan MANGHNANI** for providing with infrastructural facilities and many other resources needed for our project. I would like to express my immense gratitude to our principal, **Dr. MANJUNATHA** for motivating us to carry out research in the NHCE and **SUJITHA.S**, Head of the department for their constant support and motivation that has encouraged me to come up with this project and also for providing the right ambience for carrying out the work and the facilities provided to me.

I express my warm thanks to my project guide **Asst.Prof Manochitra G**, Department of Electrical and Electronics Engineering, New Horizon College of Engineering for his/her skilful guidance, constant supervision, timely suggestion and constructive criticism in successful completion of my project in time.

I wish to thank all the faculty of Electrical and Electronics Engineering department for providing required support throughout the project.

I would like to thank my parents for supporting and helping in the completion of the project.

Last but not the least I would like to thank all my friends without whose support and co-operation the completion of project would not have been possible.

BINAY KUMAR YADAV 1NH20EE401

SHIVASHANKARA.M 1NH20EE408

DECLARATION

We **Binay kumar yadav (1NH20EE401), Shivashankara.M (1NH20EE408)** students of New Horizon College of Engineering hereby declare that this project work entitled "A Certain Investigation of Distribution Line in Link with substation using GSM Technology" is an original and bonafide work carried out by me at New Horizon College of Engineering in partial fulfillment of Bachelor of Engineering in Electrical and Electronics Engineering of Visvesvaraya Technological University, Belgaum.

We also declare that, to the best of our knowledge and belief, the work reported here in does not form part of any other thesis or dissertation based on which a degree or award was conferred on an earlier occasion by any student.

Binay Kumar Yadav 1NH20EE401

[]

Shivashankara.M 1NH20EE408

[]

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PROJECT IMAGES

PROJECT TITLE: A CERTAIN INVESTIGATION OF DISTRIBUTION LINE IN LINK WITH SUBSTATION USING GSM TECHNOLOGY

BINAY KUMAR YADAV

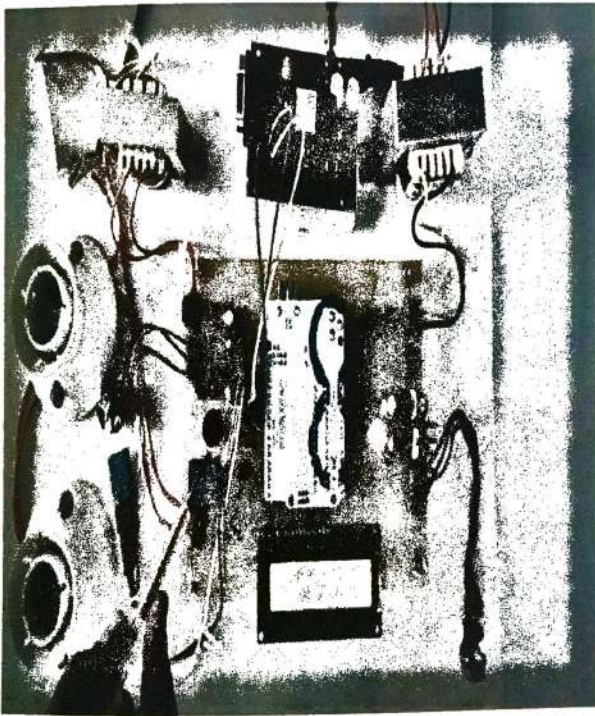
1NH20EE401

SHIVASHANKARA.M

1NH20EE408

Under the Guidance of

Asst.Prof Manochitra G





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1	NAME OF THE STUDENT	SHIVA SHANKARA.M BINAY KUMAR YADAV
2	USN	1NH20EE408 1NH20EE401
3	Course	UG
4	Department	EEE
5	Mini Projects/Project Reports/ Ph.D Synopsis/ Ph.D Thesis/ Paper Publication (N/I)	Project Phase II Report
6	Title of the Document	ANALYSIS OF DISTRIBUTION LINE IN LINK WITH SUBSTATION USING GSM TECHNOLOGY
7	Similar Content(%)identified	10%
8	Acceptable maximum limit (%) of similarity	25%
9	Date of Verification	06.05.2023
10	Checked by (Name with signature)	Ms.Anitha.A
11	Specific remarks, if any :	No

We have verified the contents as summarized above and certified that the statement made above are true to the best of our knowledge and belief.

Ms.Anitha.A
Plagiarism - Coordinator

Dr. S.Sujitha
HOD, EEE Department
Department of Electrical and Electronics Engineering
New Horizon College of Engineering
Ring Road, Kadubisanahalli, Bellandur Post,
Bangalore - 560103, Karnataka, India

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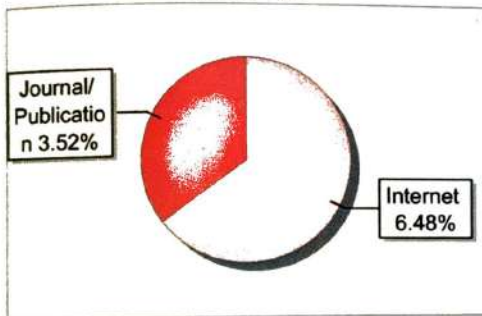
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Submission Date	2023-05-08 08:48:36
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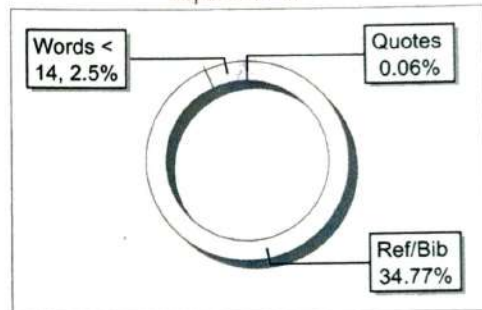
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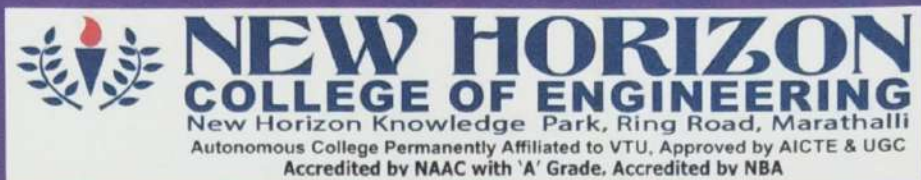


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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

20EEE84A Project - Phase II

Report on

**WEB MONITORING AND CLOSED LOOP SYSTEM
FOR MEDICAL CENTRIFUGAL MACHINE WITH
IOT**

Submitted in the partial fulfilment of the Final Year Project - Phase II

Submitted by

MOHAN P	1NH20EE405
NANDAN D SALANKE	1NH20EE406
VIJAY METI	1NH20EE410

Under the Guidance of

Dr. AGALYA V

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

“Jnana Sangama”, Belgaum: 590018



2022-23



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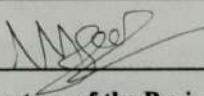
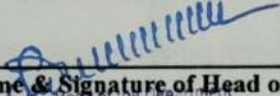
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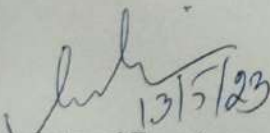
CERTIFICATE

Certified that the Project work entitled “Web Monitoring And Closed Loop System For Medical Centrifugal Machine With Iot” carried out by MOHAN P(1NH20EE405),NANDAN D SALANKE (1NH20EE406),VIJAY METI(1NH20EE410), Bonafide Student(s) of New Horizon College of Engineering submitted the report in the partial fulfilment for the award of Bachelor of Engineering in Department of Electrical and Electronics Engineering, New Horizon College of Engineering of Visvesvaraya Technological University, Belgaum during the Year 2022-23.

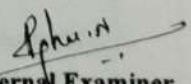
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Name & Signature of the Project Guide	Name & Signature of Head of the Department
Dr. Agalya.V	Dr. Sujatha.S New Horizon College of Engineering Ring Road, Madubisanahalli, Bellandur Post, Bangalore - 560103, Karnataka, India

SEMESTER END EXAMINATION


13/5/23
Internal Examiner




External Examiner
Dr. Raghu.N
Jain University

20EEE84A Project - Phase II

ACKNOWLEDGEMENT

I take this opportunity to convey my gratitude to all those who have been kind enough to offer their advice and provide assistance when needed which has led to the successful completion of the project.

We are grateful to the Chairman of New Horizon Educational Institution, Dr. MOHAN MANGHNANI for providing with infrastructural facilities and many other resources needed for our project. I would like to express my immense gratitude to our principal, Dr. MANJUNATHA for motivating us to carry out research in the NHCE and Dr. SUJITHA.S, Head of the department for their constant support and motivation that has encouraged me to come up with this project and also for providing the right ambience for carrying out the work and the facilities provided to me.

I express my warm thanks to my project guide Dr. AGALYA V, Department of Electrical and Electronics Engineering, New Horizon College of Engineering for his/her skilful guidance, constant supervision, timely suggestion and constructive criticism in successful completion of my project in time.

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MOHAN P	1NH20EE405
NANDAN D SALANKE	1NH20EE406
VIJAY METI	1NH20EE410

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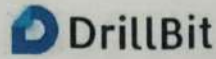
DECLARATION

We, **MOHAN P (1NH20EE405), NANDAN D SALANKE (1NH20EE406), VIJAY**

METI (1NH20EE410) students of New Horizon College of Engineering hereby declare that this project work entitled "Web Monitoring And Closed Loop System For Medical Centrifugal Machine With Iot" is an original and bonafide work carried out by me at New Horizon College of Engineering in partial fulfillment of Bachelor of Engineering in Electrical and Electronics Engineering of Visvesvaraya Technological University, Belgaum.

We also declare that, to the best of our knowledge and belief, the work reported herein does not form part of any other thesis or dissertation based on which a degree or award was conferred on an earlier occasion by any student.

MOHAN P	1NH20EE405	[<i>Mohan P</i>]
NANDAN D SALANKE	1NH20EE406	[<i>Nandan D Salanke</i>]
VIJAY METI	1NH20EE410	[<i>V. J. Meti</i>]



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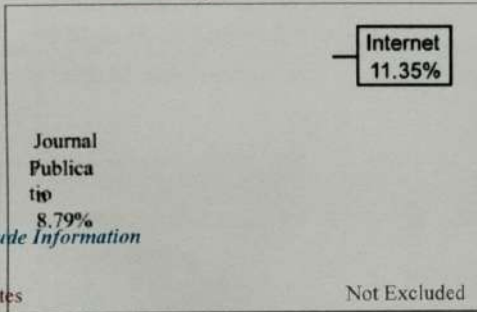
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Paper/Submission ID	737902
Submission Date	2023-05-10 17:54:05
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Document type	Project Work

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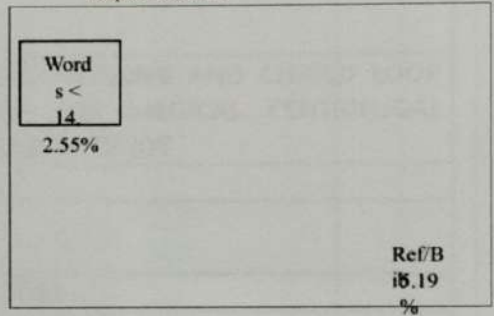
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1	Name of the Student	MOHAN P NANDAN D SALANKE VIJAY METI
2	USN	1NH20EE405 1NH20EE406 1NH20EE410
3	Course	UG
4	Department	EEE
5	Mini Projects/Project Reports/ Ph.D Synopsis/ Ph.D Thesis/ Paper Publication (N/I)	Project Phase II Report
6	Title of the Document	WEB MONITORING AND CLOSED LOOP SYSTEM FOR MEDICAL CENTRIFUGAL MACHINE WITH IOT
7	Similar Content(%)identified	21%
8	Acceptable maximum limit (%) of similarity	25%
9	Date of Verification	10.05.2023
10	Checked by (Name with signature)	Ms.Anitha.A
11	Specific remarks, if any :	No

We have verified the contents as summarized above and certified that the statement made above are true to the best of our knowledge and belief.

Ms.Anitha.A
Plagiarism - Coordinator

Dr. S.Sujitha
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Bangalore - 560102, Karnataka, India

20EEE84A Project - Phase II

PROJECT IMAGES

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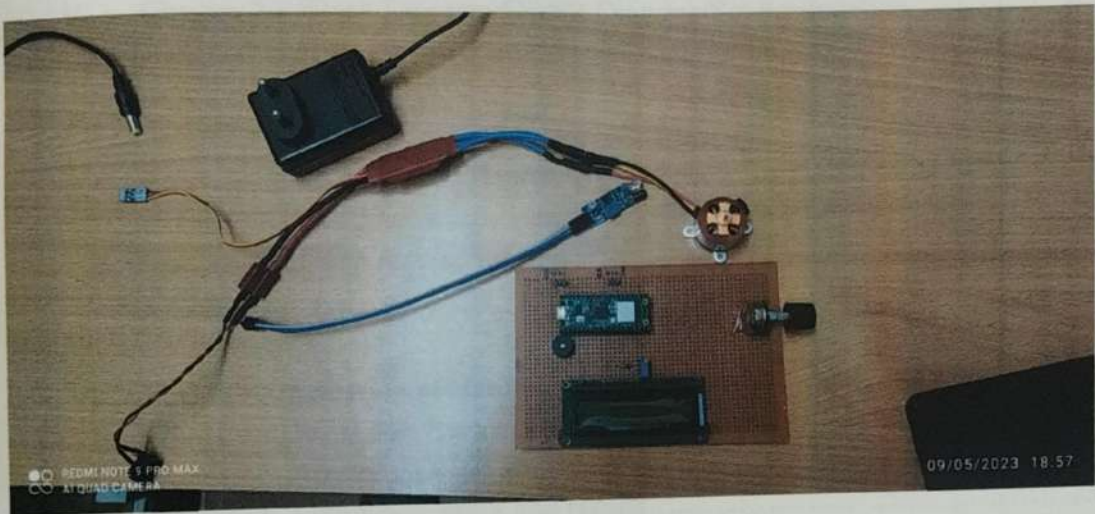
MOHAN P 1NH20EE405

NANDAN D SALANKE 1NH20EE406

VIJAY METI 1NH20EE410

Under the Guidance of

Dr.AGALYA V



Machine Hardware