



Dr. LANKAPALLI BULLAYYA COLLEGE OF ENGINEERING

The Society For Collegiate Education

Affiliated to Andhra University, Approved by AICTE

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DEPARTMENT OF CIVIL ENGINEERING

1.3.2(2) Projects

List of Students

Academic Year:2023-2024

Class: IV-II B.Tech

S. No	Roll Number	Name of the Student	Project Title	Place	Duration (From-To)
1	320136408014	Kalla Revathi Ramani	Physical and Virtual design of DLBC College in sketchup or Revit Architecture	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
2	320136408037	Tekkali Yogesh Venkata Vinay	Physical and Virtual design of DLBC College in sketchup or Revit Architecture	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
3	320136408054	Singampalli Srinu	Physical and Virtual design of DLBC College in sketchup or Revit Architecture	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
4	320136408012	Guggilapu Sujatha	Physical and Virtual design of DLBC College in sketchup or Revit Architecture	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
5	320136408023	Mopada Srinivas	Physical and Virtual design of DLBC College in sketchup or Revit Architecture	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
6	320136408017	Katragadda Sai Sandeep	Physical and Virtual design of DLBC College in sketchup or Revit Architecture	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
7	320136408056	Vadamodula Kineera	Performance and Evaluating the characteristics of flexible pavements by using shreadded aggregate	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
8	320136408051	Ponnaganti Mahima	Performance and Evaluating the characteristics of flexible pavements by using shreadded aggregate	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
9	320136408055	Shaik Subhani	Performance and Evaluating the characteristics of flexible pavements by using shreadded aggregate	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
10	320136408013	Jada raja srivardhani	Performance and Evaluating the characteristics of flexible pavements by using shreadded aggregate	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
11	320136408031	Padilapu Yogandhar	Performance and Evaluating the characteristics of flexible pavements by using shreadded aggregate	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
12	320136408034	Sodipilli Gnapika	A Case study on Artificial Groundwater Recharge in ares like MVP COLONY,MADHURWADA,RES UVANIPALEM,PENDHURTHI	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
13	320136408022	Midatada Bhanu Prakash	A Case study on Artificial Groundwater Recharge in ares like MVP COLONY,MADHURWADA,RES UVANIPALEM,PENDHURTHI	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024

S. No	Roll Number	Name of the Student	Project Title	Place	Duration (From-To)
14	320136408048	Naligiri Sai Sabari Nadh	A Case study on Artificial Groundwater Recharge in areas like MVP COLONY,MADHURWADA,RES UVANIPALEM,PENDHURTHI	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
15	320136408015	Kappala Chandu	A Case study on Artificial Groundwater Recharge in areas like MVP COLONY,MADHURWADA,RES UVANIPALEM,PENDHURTHI	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
16	320136408032	Pyla Lalitha	A Case study on Artificial Groundwater Recharge in areas like MVP COLONY,MADHURWADA,RES UVANIPALEM,PENDHURTHI	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
17	320136408024	Muddana Teena Sai Prasanthi	Study the strength of M30 Grade Concrete using Glass Fibre,Synthetic and Natural Fibres	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
18	320136408053	Puttepu yugandhar	Study the strength of M30 Grade Concrete using Glass Fibre,Synthetic and Natural Fibres	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
19	320136408001	Badabandala nitish kumar	Study the strength of M30 Grade Concrete using Glass Fibre,Synthetic and Natural Fibres	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
20	320136408016	Kasi Reddy Ramu	Study the strength of M30 Grade Concrete using Glass Fibre,Synthetic and Natural Fibres	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
21	320136408035	Tamarana Subhash Chandra Bose	Study the strength of M30 Grade Concrete using Glass Fibre,Synthetic and Natural Fibres	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
22	320136408019	Madireddi Padma	Rain water Harvesting systemk for block 7 &Block 8 Of Bullayya college	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
23	320136408002	Bandaru Bagath	Rain water Harvesting systemk for block 7 &Block 8 Of Bullayya college	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
24	320136408003	Bandaru Purna Prudhvi	Rain water Harvesting systemk for block 7 &Block 8 Of Bullayya college	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
25	320136408050	Pangi Karishma	Rain water Harvesting systemk for block 7 &Block 8 Of Bullayya college	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
26	320136408036	Tammineni Lakshmi Vara Prasad	Rain water Harvesting systemk for block 7 &Block 8 Of Bullayya college	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
27	320136408025	Mulaveesala Murali Raghav	Crumb Rubber Modified Bitumen	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
28	320136408030	Palina Devi Sampath Vardhan	Crumb Rubber Modified Bitumen	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
29	320136408004	Boddu Venkata Durga Reddy	Crumb Rubber Modified Bitumen	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
30	320136408018	Kuriti Tejaswi	Crumb Rubber Modified Bitumen	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
31	320136408007	Dalapathi Bangaru Dora	Crumb Rubber Modified Bitumen	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
32	320136408026	Mycharla Sandhya	Stabilization of clayey soils by using fly ash	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
33	320136408052	Purijala Saikiran	Stabilization of clayey soils by using fly ash	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024

S. No	Roll Number	Name of the Student	Project Title	Place	Duration (From To)
34	320136408005	Chikkala Ruchala	Stabilization of clayey soils by using fly ash	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
35	320136408020	Mandala Santosh Kumar	Stabilization of clayey soils by using fly ash	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
36	320136408038	Vana Sampath Kumar	Stabilization of clayey soils by using fly ash	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
37	320136408045	Kolli Divi	Planning Designing and estimation of 3 BHK House in 3 Floors +1 using Autocad and Revit for a Residential Building	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
38	320136408057	Vasupalli Dunesh	Planning Designing and estimation of 3 BHK House in 3 Floors +1 using Autocad and Revit for a Residential Building	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
39	320136408006	Dadi Bhanu Prasad	Planning Designing and estimation of 3 BHK House in 3 Floors +1 using Autocad and Revit for a Residential Building	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
40	320136408021	Margana Charan Naga Sai	Planning Designing and estimation of 3 BHK House in 3 Floors +1 using Autocad and Revit for a Residential Building	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
41	320136408041	Veda Gayathri Yedla	Planning Designing and estimation of 3 BHK House in 3 Floors +1 using Autocad and Revit for a Residential Building	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
42	320136408033	Routhu Sai Kumar	A Study on the behaviour and analysis of MOSS INDUCED CONCRETE	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
43	320136408047	Mallapureddy Bhargav Dora	A Study on the behaviour and analysis of MOSS INDUCED CONCRETE	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
44	320136408040	Vanthala Uday Kiran	A Study on the behaviour and analysis of MOSS INDUCED CONCRETE	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
45	320136408029	Nodagala Nandini	A Study on the behaviour and analysis of MOSS INDUCED CONCRETE	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
46	320136408049	Ommi Harshith Kumar	A Study on the behaviour and analysis of MOSS INDUCED CONCRETE	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
47	315136408025	Jhansi	A Study on the behaviour and analysis of MOSS INDUCED CONCRETE	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
48	320136408044	Chappa Revathi	Experimental study on M30 grade concrete by using replacement of GGBS and silica manganese	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
49	320136408046	Korukondabhattar Twihal Rajkumar	Experimental study on M30 grade concrete by using replacement of GGBS and silica manganese	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
50	320136408009	Ganta Hemanth Kumar	Experimental study on M30 grade concrete by using replacement of GGBS and silica manganese	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
51	320136408028	Nerusu Jai Ram	Experimental study on M30 grade concrete by using replacement of GGBS and silica manganese	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024

S. No	Roll Number	Name of the Student	Project Title	Place	Duration (From-To)
52	320136408043	Yeduri Vasanthi	Experimental study on M30 grade concrete by using replacement of GGBS & silica	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
53	320136408039	Vandrangi Sai Bala Gopal	Performance of Dual Chamber Microbial Fuel Cell with Waste water for Power production and treatment	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
54	320136408008	Duvvu Kali Kumar	Performance of Dual Chamber Microbial Fuel Cell with Waste water for Power production and treatment	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
55	320136408010	Ganti Sunil kumar	Performance of Dual Chamber Microbial Fuel Cell with Waste water for Power production and treatment	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
56	320136408027	Nakkella Prasanth Sai	Performance of Dual Chamber Microbial Fuel Cell with Waste water for Power production and treatment	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
57	320136408042	Yaka Kalyan	Performance of Dual Chamber Microbial Fuel Cell with Waste water for Power production and treatment	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024


HOD-CIVIL

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PRINCIPAL

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Door No. 52-14-75, Resapuvanipalem
Visakhapatnam-530013
Andhra Pradesh

PLANNING, DESING, RENDERING, MODEL MAKING OF INSTITUTIONAL BUILDING USING AUTOCAD, SKETCHUP & RHINO

*A project report Submitted in partial fulfilment of the requirement
for the award of Bachelor of engineering in Civil Engineering*

Submitted by

K.REVATHI RAMANI	(320136408014)
T.Y.V.VINAY	(320136408037)
S.SRINU	(320136408054)
G.SUJATHA	(320136408012)
M.SRINIVAS	(320136408023)
K.SAI SANDEEP	(320136408017)

UNDER THE GUIDANCE OF

Mrs.P.SRIDEVI (Assistant Professor)



DEPARTMENT OF CIVIL ENGINEERING
DR.LANKAPALLI BULLAYA COLLEGE OF ENGINEERING
(Permanently Affiliated to Andhra University, Visakhapatnam)
New Resapuvanipalem, Visakhapatnam – 530013
Year of submission: 2024

Dr. LANKAPALLI BULLAYYA COLLEGE OF ENGINEERING
New Resapuvanipalem, Visakhapatnam-530013

DEPARTMENT OF CIVIL ENGINEERING



BONAFIDE CERTIFICATE

K.REVATHI RAMANI	(320136408014)
T.Y.V. VINAY	(320136408037)
S.SRINU	(320136408054)
G.SUJATHA	(320136408012)
M.SRINIVAS	(320136408023)
K.SAI SANDEEP	(320136408017)

Certified that the work report entitled to **"Planning, Designing, Rendering, & Model Making Of Institutional Building Using AutoCAD, Sketchup & Rhino"** bonafide work carried out by Civil Engineering of DR.Lankapalli Bullayya College Visakhapatnam, during the year of 2023-24.It is certified all corrections /suggestions indicating during internal and external assessment have been incorporated in the report.


Mrs.P.SRIDEVI

Assistant Professor
Department Of Civil Engineering


Dr.G.T. Nadiu

Head of Department
Department Of Civil Engineering
Head of the Dept.
Dept. of Civil Engineering
Dr.Lankapalli Bullayya College of Engineering
Resapuvanipalem, Visakhapatnam-530013.A.P

External Examiner

DEPARTMENT OF CIVIL ENGINEERING


VISAKHAPATNAM

PROJECT EVALUATION REPORT

This Project work entitled "**Planning, Designing, Rendering, & Model Making Of Institutional Building Using AutoCAD, Sketchup & Rhino**" Submitted by K.REVATHI RAMANI (320136408014), T.Y.V.VINAY (320136408037), S.SRINU (320136408054), G.SUJATHA (320136408012), M.SRINIVAS (320136408023), K.SAI SANDEEP (31536408017) of 2020-2024 batch , in Partial fulfilment of the Requirements for the award of degree of Bachelor of Engineering of Dr.Lankapalli Bullayya College of Engineering, Visakhapatnam, has been approved.

Examiners

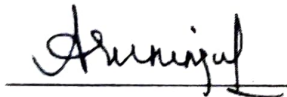
1)



Project Guide

(P.SRIDEVI)

2)



Internal Examiner

(Dr.ARUNIMA MAHAPATRA)

3)



External Examiner

(Dr.G.T. NAIDU)

Date: 24/4/24
VISAKHAPATNAM

ABSTRACT

This project presents a holistic methodology for retroactively planning, designing, rendering, and model making of institutional building Dr. Lankapalli Bullayya College, an existing educational institution employee AutoCAD, Sketchup and Rhino software. The approach aims to enhance the colleges architectural features, visualize potential renovations, and communicate design proposals effectively.

Beginning with AutoCAD, precise measurements and existing floor plans are digitised to establish a comprehensive foundation for the redesign process. Sketchup is then utilised to create 3D models of the college, allowing for virtual exploration of design modifications and spatial arrangements. Rhino software further refines the 3D models, incorporating intricate details and architectural enhancement.

Rendering techniques are applied using both Sketchup and Rhino, enriching visualizations with realistic materials, lighting effects and contextual elements. These rendered images serve as valuable tools for stakeholders to visualise proposed changes and provide feedback.

In the model making phase, a combination of digital fabrication methods and traditional model making techniques are employed to produce physical prototypes of the redesigned college. These models facilitate a tangible understanding of special relationships and design interventions, aiding in decision making process and community engagement.

By integrating the softwares, this approach offers a comprehensive solution for retroactive architectural design, enabling stakeholders to reimagine and revitalise existing structures such as Dr. Lankapalli Bullayya College with efficiency and precision.

This project focuses on the planning, designing, rendering and model making of institutional building Dr.Lankapalli Bullayya College, leveraging AutoCAD, Sketchup and Rhino. The completed structure serves as the basis for refining architectural elements and visual representations. Through the integration of the software tools, the project aims to optimise the colleges special layout, aesthetic appeal and functional efficiency.

PERFORMANCE AND EVALUATING THE CHARACTERISTICS OF FLEXIBLE PAVEMENTS BY USING SHREDDED AGGREGATE

*A project report submitted in partial fulfilment of the requirement
for the award of the Bachelor of Engineering in Civil Engineering* 5

Submitted by

V.KINNERA	-	320136408056
P.MAHIMA	-	320136408051
SHAIK SUBHANI	-	320136408055
J.RAJA SRI VARDHANI	-	320136408013
P.YUGANDHAR	-	320136408031

Under the guidance of

Mrs. B.RAMYA, M.E (T.E)



DEPARTMENT OF CIVIL ENGINEERING
Dr.LANKAPALLI BULLAYYA COLLEGE OF ENGINEERING
(AFFILIATED TO ANDHRA UNIVERSITY)

VISAKHAPATNAM – 530013

2020-2024

**Dr.LANKAPALLI BULLAYYA COLLEGE OF ENGINEERING
AFFILIATED TO ANDHRA UNIVERSITY VISAKHAPATNAM**




BONA FIDE CERTIFICATE


This is to certify that the project, entitled **"PERFORMANCE AND EVALUATING THE CHARACTERISTICS OF FLEXIBLE PAVEMENTS BY USING SHREDDED AGGREGATE"**

being submitted by

V.KINNERA (320136408056), P.MAHIMA (320136408051), SHAIK
SUBHANI (320136408055), J.RAJA SRI VARDHANI (320136408013),
P.YUGANDHAR (320136408031)

In partial fulfilment of the requirements for the award of degree of "BACHOLOR OF ENGINEERING" in "CIVIL ENGINEERING" ANDHRA UNIVERSITY, is a record of bona fide work carried by them under the guidance and supervision. To the best of our knowledge, the matter embodied in the project has not been submitted to any other institute or university for the award of degree.


Under the guidance of
Mrs. B. Ramya
(Project guide)



Dr. G. T. Naidu
(Head of the Department)
Head of the Dept.
Dept. of Civil Engineering
Dr. Lankapalli Bullayya College of Engineering
Resapuvanipalem, Visakhapatnam-530018, A.P.

EXTERNAL EXAMINER

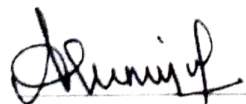
DEPARTMENT OF CIVIL ENGINEERING
VISAKHAPATNAM
PROJECT EVALUATION REPORT

This Project work entitled **"PERFORMANCE AND EVALUATING THE CHARACTERISTICS OF FLEXIBLE PAVEMENTS BY USING SHREDDED AGGREGATE"** Submitted by V.KINNERA (320136408056), P.MAHIMA (320136408051), SHAIK SUBHANI (320136408055), J.RAJA SRI VARDHANI (320136408013), P.YUGANDHAR (320136408031) of 2020-2024 batch , in Partial fulfilment of the Requirements for the award of degree of Bachelor of Engineering of Dr.Lankapalli Bullayya College of Engineering, Visakhapatnam, has been approved.


Examiners

1) 
(Mrs. B. RAMYA)

Project Guide

2) 
(Dr. ARUNIMA MAHAPATRA)

Internal Examiner

3) 
(Dr. G.T. NAIDU)

External Examiner

Date:

VISAKHAPATNAM

ABSTRACT

Now-a-days it is necessary to utilize the wastes effectively with technical development in each field. The old abandoned tyres from cars, trucks, farm and construction equipment and off road vehicles are stockpiled throughout the country. This leads to various environmental problems which include air pollution associated with open burning of tyres and other harmful contaminants like (polycyclic aromatic hydrocarbon, dioxin, furans and oxides of nitrogen) and aesthetic pollution. They are non biodegradable; The waste rubber tyre has become a problem of disposal. Due to increase in demand of automobiles in our daily lives, rubber tyre waste is also increasing simultaneously which results in disposal of rubber waste in landfill. The rubber takes more time to decompose and also leads to land pollution.

Specifically, the use of the waste rubber tyres has been increasingly looked after local government and road authorities to possibly, hence helping with the waste management issues experienced by many countries. This study evaluates the use of very common and largely waste rubber tyres for modification of bitumen.

So in this project the waste rubber can be reused in road construction works by partially replacing with coarse aggregate with bitumen in percentage (5, 10, 15, 20, 25 and 30) and carried out different test result based on it. This is not only to minimize the pollution occurred due to waste tyres but also minimizes the use of conventional aggregate which is available in exhaustible quantity.

The addition of rubber tyre in flexible pavements enhances the properties of road surfaces as well as it reduces the rubber tyre waste from the land and decreases the self-weight of the bitumen mix.

D-3

***“CASE STUDY ON ARTIFICIAL GROUNDWATER
RECHARGE IN RESUPAVANIPALEM, MADURAWADA,
MVP COLONY AND PENDURTHI”***

BACHELOR OF ENGINEERING

IN

CIVIL ENGINEERING

BY

S. GNAPIKA

(320136408034)

M. BHANU PRAKASH

(320136408022)

P. LALITHA

(320136408032)

N. SAI SABARI NADH

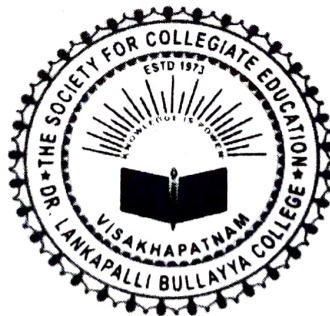
(320136408048)

K. CHANDU

(320136408015)

UNDER THE SUPERVISION OF

Mr. Y. RAJESH (Assistant Professor)



DEPARTMENT OF CIVIL ENGINEERING

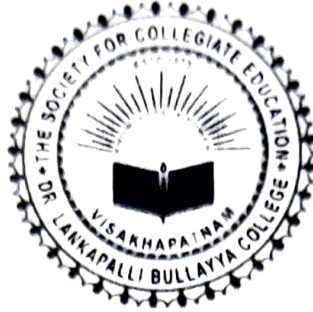
DR. LANKAPALLI BULLAYA COLLEGE OF ENGINEERING

(AFFILIATED TO ANDHRA UNIVERSITY, VISAKHAPATNAM)

NEW REUPAVANIPALEM, VISAKHAPATNAM, 530013

2024

Dr. LANKAPALLI BULLAYA COLLEGE OF ENGINEERING
AFFILIATED TO ANDHRA UNIVERSITY, VISAKHAPATNAM



BONAFIDE CERTIFICATE

This is to certify that the project, entitled "**CASE STUDY ON ARTIFICIAL GROUNDWATER RECHARGE IN RESUPAVANIPALEM, MADHURAWADA, MVP COLONY AND PENDURTH,**" being submitted by

S. GNAPIKA	(320136408034)
M. BHANU PRAKASH	(320136408022)
P. LALITHA	(320136408032)
N. SAI SABARI NADH	(320136408048)
K. CHANDU	(320136408015)

In partial fulfilment requirements for the award of the degree of "BACHELOR OF ENGINEERING" in "CIVIL ENGINEERING" ANDHRA UNIVERSITY, is a record of bonafide work carried by them under the guidance and supervision. To the best of our knowledge, the matter embodied in the projects has not been submitted to any other institute or university for the award of degree.


Y. RAJESH

(PROJECT GUIDE)


Prof. G.T. NAIDU

(HEAD OF THE DEPARTMENT)

Head of the Dept.
Dept. of Civil Engineering
Dr. Lankapalli Bullaya College of Engineering
Resapuvanipalem, Visakhapatnam-530013, A.P.

External Examiner

DEPARTMENT OF CIVIL ENGINEERING

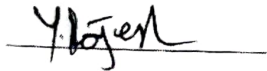
VISAKHAPATNAM

PROJECT EVALUATION REPORT

This Project work entitled "CASE STUDY ON ARTIFICIAL GROUNDWATER RECHARGE IN RESUPAVANIPALEM, MADURAWADA, MVP COLONY AND PENDURTHI" submitted by S. GNAPIKA (320136408034), M. BHANU PRAKASH (320136408022), P. LALITHA (320136408032), N. SAI SABARI NADH (320136408048) AND K. CHANDU (320136408015) of 2020-2024 batch, in Partial fulfilment of the Requirements for the award of degree of Bachelor of Engineering of Dr. Lankapalli Bullayya College of Engineering, Visakhapatnam, has been approved.

Examiners

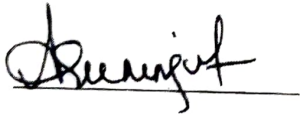
1)



(Y. RAJESH)

Project Guide

2)



(Dr. ARUNIMA MAHAPATRA)

Internal Examiner

3)



(Dr. G.T. NAIDU)

External Examiner

Date: 24/4/24
VISAKHAPATNAM

ABSTRACT

The Purpose of the project is to determine suitable method for Artificial Recharge of Groundwater in certain areas like MVP COLONY, RESUPAVANIPALEM, MADURAWADA, PENDURTHI by collecting the present groundwater table data. Artificial Recharge is the process by which the groundwater is augmented at a rate much higher than those under natural condition of replenishment. There are different methods of Artificial Recharge like flooding, percolation tanks, injection wells, recharge pits, and many more.

Artificial Recharge of groundwater is accomplished through placing surface water in basins, furrows, ditches, or different centers wherein it infiltrates into the soil and actions downward to recharge aquifers. Artificial Recharge requires permeable surface soils if these type of soils are not available trenches or shafts in the unsaturated sector can be used or water can be at once injected into aquifers via wells.

To determine suitable method for Artificial Recharge of groundwater, infiltration rates of the soil have to be determined and the unsaturated area among land floor and the aquifer ought to be checked for good enough permeability and lack of polluted regions.

Implementation of Artificial Recharge techniques helps in storing excess water in underground aquifers during times of surplus that can be recovered during periods of water scarcity. The project helps us in identifying the method to be established in the surveyed areas for Artificial Recharge of groundwater depending upon the area conditions like nature of soil, water demand, population and remaining necessary conditions.

B-4

STUDY THE STRENGTH OF M30 GRADE CONCRETE USING GLASS , SYNTHETIC AND NATURAL FIBRES

A PROJECT REPORT

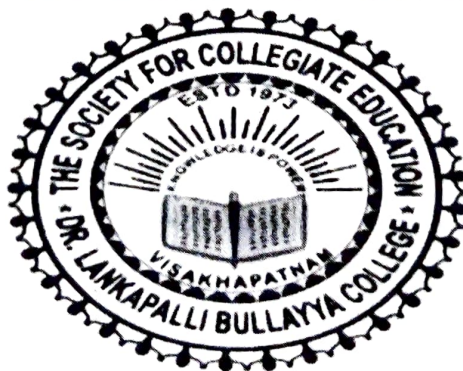
Submitted in partial fulfilment of requirements for the award
of “Bachelor of Engineering “ in Civil Engineering”

SUBMITTED BY:

M TEENA SAI PRASANTHI	(320136408024)
B.NITISH KUMAR	(320136408001)
K.RAMCHANDRA	(320136408016)
T.SUBHASH CHANDRA BOSE	(320136408035)
P.YUGANDHAR	(320136408053)

Under the esteemed guidance of

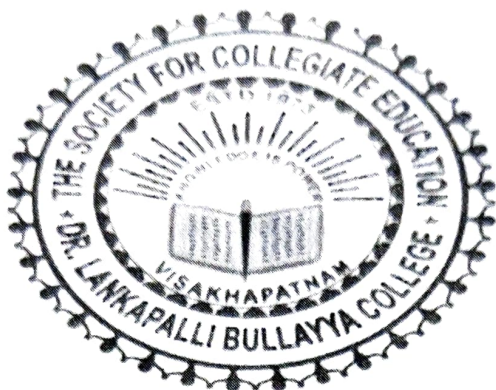
Dr.G. TIRUPATHI NAIDU M.TECH, Ph.D



**DEPARTMENT OF CIVIL ENGINEERING,
DR.LANKAPALLI BULLAYYA OF ENGINEERING (Affiliated to
Andhra University, Visakhapatnam), New
Resapuvanipalem, Visakhapatnam, 530013**

2024

**DR.LANKAPALLI BULLAYYA COLLEGE OF ENGINEERING
AFFILIATED TO ANDHRA UNIVERSITY,**



VISAKHAPATNAM


BONAFIDE CERTIFICATE


This is to certify that the project, entitled **“STUDY THE STRENGTH
OF M30 GRADE CONCRETE USING GLASS , SYNTHETIC
AND**

NATURAL FIBRES” being submitted by

M.TEENA SAI PRASANTHI	(320136408024)
B.NITISH KUMAR	(320136408001)
K.RAMCHANDRA	(320136408016)
T.SUBHASH CHANDRA BOSE	(320136408035)
P.YUGANDHAR	(320136408053)

In partial fulfilment requirements for the award of the degree of “BACHELOR OF ENGINEERING” in “CIVIL ENGINEERING” ANDHRA UNIVERSITY, is a record of bonafide work carried by them under our guidance and supervision . To the best of our knowledge, the matter embodied in the project has not been submitted to any other institute or university for the award of degree.


DR.G.T.NAIDU
(PROJECT GUIDE)


DR.G.T.NAIDU
(Head of the Department)

EXTERNAL EXAMINER

Head of the Dept.
Dept. of Civil Engineering
Dr.Lankapalli Bullayya College of Engineering
Resabuvanipalem, Visakhapatnam-530013.A

VISAKHAPATNAM

B.E PROJECT WORK EVALUATION REPORT

This project work entitled "STUDY THE STRENGTH OF M30 GRADE CONCRETE USING GLASS,SYNTHETIC AND NATURAL FIBRES" submitted by M.Teena Sai Prasanthi (320136408024), B.Nitish Kumar (320136408001), K.Ramu (320136408016), T.Subhash Chandra Bose (320136408035), P.Yugandhar (320136408053) of batch 2020-2024, in partial fulfilment of the requirements for the award of degree of bachelor of engineering of Dr. Lankapalli Bullayya College of Engineering, Visakhapatnam, has approved.

EXAMINERS:

1) G.T.P. Naidu
(Dr. G. T. Naidu)

PROJECT GUIDE

2) Arunima Mahapatra
(Dr. Arunima Mahapatra)

INTERNAL EXAMINER

3) G.T.P. Naidu
(Dr. G. T. Naidu)

**HEAD OF DEPARTMENT OF
CIVIL ENGINEERING**

Date: 24/4/24
Station: Visakhapatnam

ABSTRACT

The project report entitled "study the strength of M30 grade concrete using Glass fibre, synthetic and Natural fibre". The main objective of the study is to analyse the strength of M30 grade concrete using glass, Synthetic and natural fibre. In this process of identifying the strength of the used concrete we can conclude the best material to be mixed with for better long-lasting strength. These details of concrete and fibre are collected by a few articles and through some experiments

Glass, jute, nylon fibres are taken in the ratio of 0.5% ,1.5% ,2.5 %. Conplast sp420 is used for extra strength. Mixing of fibres in concrete helps in increasing 50% of strength then conventional concrete with better increase of mechanical properties. We are casting cubes for compression and cylinders for tensile strength. Charts and tables are used for better understanding.

This study focuses on evaluating the strength characteristics of M30 grade concrete incorporating three distinct types of fibres: glass, synthetic, and natural. The investigation includes a comprehensive analysis of the mechanical properties of these fibre-reinforced concrete mixes. Various tests such as compressive strength, flexural strength, and split tensile strength are conducted to assess the performance and effectiveness of each type of fibre.

The research methodology involves the preparation of M30 grade concrete specimens with varying fibre content for each type. The concrete mixes are cured and subjected to a series of standard tests to evaluate their strength and durability. The study aims to understand the influence of glass, synthetic, and natural fibres on the overall performance of M30 grade concrete and to identify the optimal fibre dosage for enhanced structural properties.

Results obtained from the experimental tests are analysed and compared to ascertain the impact of each fibre type on the concrete's strength characteristics. The findings aim to contribute valuable insights to the field of concrete technology, providing a basis for informed decision-making in the selection and application of fibres to improve the performance of M30 grade concrete in structural applications. Through experiments with considerable apparatus, process and ratios we can conclude the results.

B-5

IDENTIFICATION OF GROUND WATER RECHARGE ZONES THROUGH GEOSPATIAL ANALYSIS

*A project report submitted in partial fulfilment of the requirement for the
award of Bachelor of Engineering in Civil Engineering*

Submitted by

T L V Prasad	-	320136408036
B Bhagath	-	320136408002
M Padma	-	320136408019
B Purna Prudhvi	-	320136408003
P Karishma	-	320136408050

Under the Guidance of

Dr. Arunima Mahapatra

B.E, M.Tech, Ph.D(CIVIL)

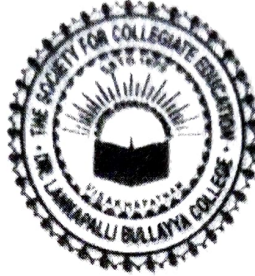


DEPARTMENT OF CIVIL ENGINEERING
DR. LANKAPALLI BULLAYYA COLLEGE OF ENGINEERING
(AFFILIATED TO ANDHRA UNIVERSITY)
VISA KHAPATNAM-530013

2020-2024

**DR. LANKAPALLI BULLAYYA COLLEGE OF
ENGINEERING**

DEPARTMENT OF CIVIL ENGINEERING



CERTIFICATE

This is to certify that we

T L V Prasad	-	320136408036
B Bhagath	-	320136408002
M Padma	-	320136408019
B Purna Prudhvi	-	320136408003
P Karishma	-	320136408050

are the students of this institution have done the project work on **"IDENTIFICATION OF GROUND WATER RECHARGE ZONES THROUGH GEO SPATIAL ANALYSIS"** and submitted the same to the Civil Engineering Department in partial fulfilment of the requirements for the award of degree of Bachelor of Engineering in Civil Engineering during the academic period of 2020-2024.

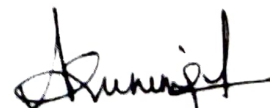

Prof. G.T. NAIDU Ph.D

Head of the Department

Department of Civil Engineering

Dr. L. Bullayya College of Engineering

Visakhapatnam-13


Dr. ARUNIMA MAHAPATRA

B.E, M.Tech, Ph.D (CIVIL)

Sr. Assistant Professor

Department of Civil Engineering,

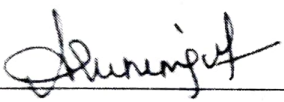
Dr. L. B. College of Engineering

Visakhapatnam-13

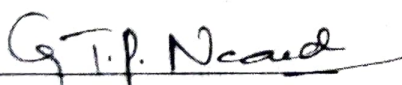
DEPARTMENT OF CIVIL ENGINEERING
VISAKHAPATNAM
B.E PROJECT WORK EVALUATION REPORT

This project work entitled "IDENTIFICATION OF GROUND WATER RECHARGE ZONES THROUGH GEO SPATIAL ANALYSIS" submitted by T. L. V. Prasad (320136408036), B. Bhagath (320136408002), M. Padma (320136408019), B. Purna Prudhvi (320136408003) and P. Karishma (320136408050) of 2020-2024 batch, in partial fulfilment of the requirements for the award of degree of Bachelor of Engineering of Dr. Lankapalli Bullayya College of Engineering, Visakhapatnam, has been approved.

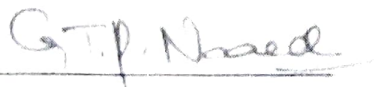
EXAMINERS:

1) 
(Dr. Arunima Mahapatra)

PROJECT GUIDE

2) 
(Prof. G. T. Naidu)

EXTERNAL EXAMINER

3) 
(Prof. G. T. Naidu)

**HEAD OF DEPARTMENT OF
CIVIL ENGINEERING**

Head of the Dept.

Dept. of Civil Engineering

Dr. Lankapalli Bullayya College of Engineering
Resapuvanipalem, Visakhapatnam-530013, A.P.

Date:

Station: Visakhapatnam

ABSTRACT

Shortage of water for industrial and commercial use and even for drinking purpose is a concern throughout the world, especially in developing countries. The current decline in groundwater availability in India necessitates the formulation of sustainable groundwater management plan through proper assessment of the available resources. Rainwater harvesting (RWH) for groundwater recharge is seen as one of the solutions to solve the groundwater problem. This is reflected in an increase in watershed development programs, in which RWH is an important structural component.

Understanding the net effect of these development programs is crucial to ensure that net effect on groundwater is positive both locally and within a watershed. The appropriate design and evaluation of a RWH system is necessary to improve system performance and the stability of the water supply. This review article is focused on a literature survey of the design of RWH and its aquifer modeling and application of remote sensing and geographic information system to artificial recharge.

Urbanization has become a common Feature in all developing countries the information on the internal composition and dynamics of environments is very essential to maintain certain standards of living as the majority of the world's population resides in urban environments.

CRUMB RUBBER MODIFIED BITUMEN ANALYSIS

*A project report submitted in partial fulfilment of the requirement for the
award of Bachelor of Engineering in Civil Engineering*

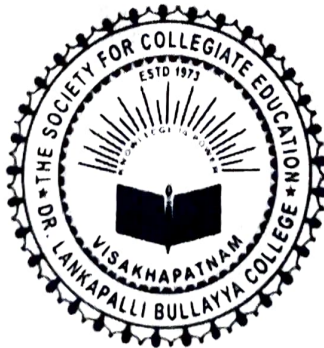
Submitted by

M Murali Raghav	-	320136408025
P D Sampath Vardhan	-	320136408030
B V Durga Reddy	-	320136408004
K Tejaswi	-	320136408018
D Bangaru Dora	-	320136408007

Under the Guidance of

Dr. Arunima Mahapatra

B.E, M.Tech, Ph.D(CIVIL)



DEPARTMENT OF CIVIL ENGINEERING

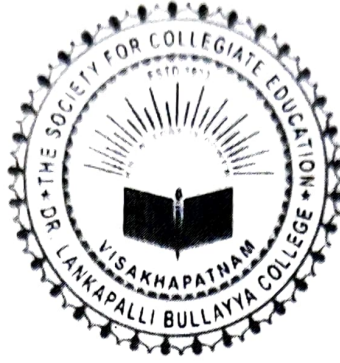
DR. LANKAPALLI BULLAYYA COLLEGE OF ENGINEERING

(AFFILIATED TO ANDHRA UNIVERSITY)

VISAKHAPATNAM-530013

2020-2024

Dr. Lankapalli Bullayya College of Engineering
DEPARTMENT OF CIVIL ENGINEERING



CERTIFICATE

This is to certify that we

M Murali Raghav	-	320136408025
P D Sampath Vardhan	-	320136408030
B V Durga Reddy	-	320136408004
K Tejaswi	-	320136408018
D Bangaru Dora	-	320136408007

are the students of this institution have done the project work on “**CRUMB RUBBER MODIFIED BITUMEN ANALYSIS**” and submitted the same to the Civil Engineering Department in partial fulfilment of the requirements for the award of degree of Bachelor of Engineering in Civil Engineering during the academic period of 2020-2024.

Dr. Arunima Mahapatra

B.E, M.Tech, Ph.D(CIVIL)

Sr. Assistant Professor

Department of Civil Engineering

Dr. L. B. College of Engineering

Visakhapatnam

Prof. G. T. Naidu

B.E, M.Tech, Ph.D

Head of Department

Department of Civil Engineering

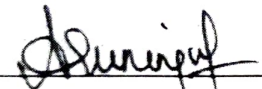
Dr. L. B. College of Engineering

Visakhapatnam


DEPARTMENT OF CIVIL ENGINEERING
VISAKHAPATNAM
B.E PROJECT WORK EVALUATION REPORT

This project work entitled "**CRUMB RUBBER MODIFIED BITUMEN ANALYSIS**" submitted by M. Murali Raghav (320136408025), P. D. Sampath Vardhan (320136408030), B. V. Durga Reddy (320136408004), K. Tejaswi (320136408018) and D. Bangaru Dora (320136408007) of 2020-2024 batch, in partial fulfilment of the requirements for the award of degree of Bachelor of Engineering of Dr. Lankapalli Bullayya College of Engineering, Visakhapatnam, has been approved.

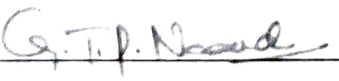
EXAMINERS:

1) 
(Dr. Arunima Mahapatra)

PROJECT GUIDE

2) 
(Dr. G. T. Naidu)

EXTERNAL EXAMINER

3) 
(Dr. G. T. Naidu)

**HEAD OF DEPARTMENT OF
CIVIL ENGINEERING**

Head of the Dept.
Dept. of Civil Engineering
Dr. Lankapalli Bullayya College of Engineering
Resapuvanipalem, Visakhapatnam-530013.A.P.

Date: 24/4/24

Station: Visakhapatnam

ABSTRACT

In most parts of India rutting and cracking of roads is widely observed and in order to prevent these problems the pavement should be strong enough to withstand greater loads, prevent water absorption and possess high thermal resistance which can be attained by the usage of CRMB in Indian Roadways. To investigate the change of properties incurred into bitumen by addition of Crumb Rubber (CR) at different proportions is investigated. Some advantages of Crumb Rubber Modified Bitumen (CRMB) are with adequate addition of Crumb Rubber certain properties of bitumen such as penetration value, softening point, Marshall stability and flow rate are enhanced making it more suitable for roadworks. There are very few ways to recycle end-of-life tires as rubber cannot be reused effectively. Hence, incorporating Crumb Rubber in roadworks to enhance the quality of bitumen, the use of Crumb Rubber which is derived from end-of-life vehicle tires will strengthen the roadworks, reduce overall expense of the project, reduce the maintenance cost and consume the scrap tires which are liable to cause distress to the environment. This study investigates the changes in bituminous properties by addition of Crumb Rubber to bitumen at different proportions. Tests such as Softening Point Test, Ductility Test, Penetration Test and Marshall Stability test were conducted on Conventional bitumen, 10% CRMB, 20% CRMB, 30% CRMB and 40% CRMB and their results are tabulated to compare and determine the credibility of Crumb Rubber Modified Bitumen.

STABILIZATION OF EXPANSIVE SOILS USING FLYASH

*A project report submitted in partial fulfilment of the requirement for
the award of Bachelor of Engineering in Civil Engineering*

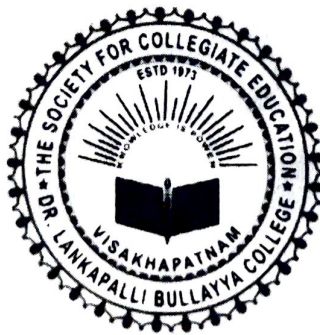
Submitted by

CH Kushalini	-	320136408005
M Santosh Kumar	-	320136408020
M Sandhya	-	320136408026
V Sampath	-	320136408038
P Sai Kiran	-	320136408052

Under the Guidance of

Mrs.P.Sridevi

(Assistant Professor of Civil Engineering)



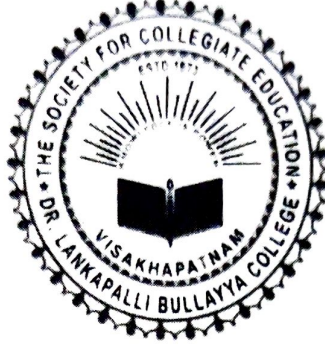
DEPARTMENT OF CIVIL ENGINEERING

DR. LANKAPALLI BULLAYYA COLLEGE OF ENGINEERING
(AFFILIATED TO ANDHRA UNIVERSITY)

VISAKHAPATNAM-530013

2020-2024

Dr. Lankapalli Bullayya College of Engineering
DEPARTMENT OF CIVIL ENGINEERING




CERTIFICATE


This is to certify that we

CH.Kushalini	-	320136408005
M.Santosh Kumar	-	320136408020
M.Sandhya	-	320136408026
V.Sampath	-	320136408038
P.Sai Kiran	-	320136408052

are the students of this institution have done the project work on
"STABILIZATION OF EXPANSIVE SOILS USING FLYASH" and
submitted the same to the Civil Engineering Department in partial fulfilment
of the requirements for the award of degree of Bachelor of Engineering in
Civil Engineering during the academic period of 2020-2024.


Mrs.P.Sridevi

Assistant Professor
Department of Civil Engineering
Dr. L. B. College of Engineering
Visakhapatnam


Dr. G. T. Naidu

Head of Department
Department of Civil Engineering
Dr. L. B. College of Engineering
Visakhapatnam
Head of the Dept.
Dept. of Civil Engineering
Dr.Lankapalli Bullayya College of Engineering
Resapuvanipalem, Visakhapatnam-530013.A.P

DEPARTMENT OF CIVIL ENGINEERING

VISAKHAPATNAM

PROJECT EVALUATION REPORT

This Project work entitled "**STABILIZATION OF EXPANSIVE SOILS USING FLYASH**" Submitted by CH.KUSHALINI (320136408005), M.SANTOSH KUMAR (320136408020), M.SANDHYA (320136408026), V.SAMPATH (320136408038), P.SAI KIRAN (320136408052) of 2020-2024 batch , in Partial fulfilment of the Requirements for the award of degree of Bachelor of Engineering of Dr.Lankapalli Bullayya College of Engineering, Visakhapatnam, has been approved.

Examiners

1) P.L.D

Project Guide

(P.SRIDEVI)

2) Arunima

Internal Examiner

(Dr.ARUNIMA MAHAPATRA)

3) G.T.P. Naidu

External Examiner

(Dr.G.T. NAIDU)

Date: 24/4/24
VISAKHAPATNAM

ABSTRACT

Any civil engineering structure's construction depends on the quality of the soil. It needs to be strong enough to support the weights without failing. The earth in some places might not be able to support the incoming loads. Numerous soil stabilizing techniques are available to solve this, but some of them such as chemical stabilization and lime stabilization, among others may negatively impact the chemical composition of the soil. In this book, we will examine how adding varying amounts of fly ash such as 0%, 5%, 10%, 15%, 20%, and 25% affects the strength increase of an expansive clay soil.

Nowadays, environmental pollution is a serious problem in the world. Thermal power plants are used in many countries to meet the energy needs of growing cities. A lot of quantity of Fly Ash, Bottom Ash, Pond Ash is produced while this energy is generated.

Using such waste materials in construction offers significant advantages over current admixtures because they are typically less costly and provides environmental protection. By adding admixtures to the expansive soils increases strength, improves soil compaction, reduces plasticity. In order to assess the strength of the mixtures, unconfined compression tests, California bearing ratio test, compaction test and permeability test were carried out. The tests were performed as per Indian Standard specifications.

As a result of the experiments, it was found that mixing fly ash with the expansive by various percentages (0, 5%, 10%, 15%, 20%, 25%) increases the strength.

B-8

**PLANNING, DESIGNING AND ESTIMATION OF G+2
RESIDENTIAL BUILDING USING AUTOCAD AND STAAD-PRO**

**BACHELOR OF TECHNOLOGY
IN
CIVIL ENGINEERING
BY**

PROJECT DONE BY:

REGISTRATION NO.:

KOLLI DEVI

320136408045

VASUPALLI DUNESH

320136408057

DADI BHANU PRASAD

320136408006

MARGANA CHARAN NAGA SAI

320136408021

VEDA GAYATRI YEDLA

320136408041

**UNDER THE ESTEEMED GUIDANCE OF
Dr. G.TIRUPATHI NAIDU , M.Tech , Ph.D
Head of the Department, Department of Civil Engineering
DR.LANKAPALLI BULLAYYA COLLEGE OF ENGINEERING**

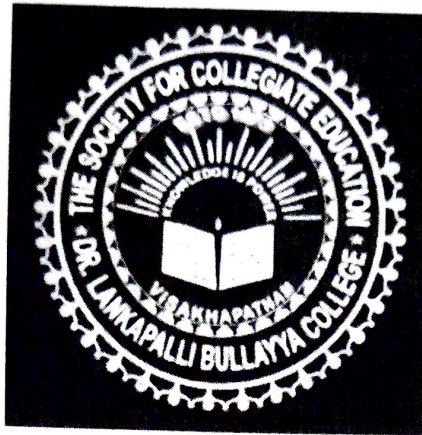
Visakhapatnam

2020-2024




**(Affiliated to Andhra University, Visakhapatnam)
New Resapuvanipalem, Visakhapatnam-530013**


DEPARTMENT OF CIVIL ENGINEERING



CERTIFICATE

THIS IS TO CERTIFY THAT THE B.TECH(CIVIL) FINAL YEAR STUDENTS OF THE INSTITUTION K.DEVI, V.DUNESH, D.BHANU, M.CHARAN, Y.VEDA GAYATRI HAVE DONE PROJECT WORK ON "PLANNING,DESIGNING AND ESTIMATION OF G+2 RESIDENTIAL BUILDING USING AUTOCAD AND STAAD-PRO" AND SUBMITED THE SAME TO THE CIVIL ENGINEERING DEPARTMENT AS PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE AWARD OF DEGREE OF BACHELOR OF CIVIL ENGINEERING DURING THE ACADEMIC YEAR 2020-2024.


DR.G.TIRUPATHI NAIDU,M.TECH,PH.D
(Project Guide)


DR.G.TIRUPATHI NAIDU,M.TECH,PH.D
(Head of the Department)
Head of the Dept.
Dept. of Civil Engineering
Dr.Lankapalli Bullayya College of Engineering
Resapuvanipalem, Visakhapatnam-530013 A.P.

EXTERNAL EXAMINER

DEPARTMENT OF CIVIL ENGINEERING

VISAKHAPATNAM

PROJECT EVALUATION REPORT

This Project work entitled "PLANNING, DESIGNING AND ESTIMATION OF G+2 RESIDENTIAL BUILDING USING AUTOCAD AND STAADPRO" Submitted by KOLLI DEVI(320136408045),VASUPALLI DUNESH (320136408057),DADI BHANU PRASAD (320136408006),MARGANA CHARAN NAGA SAI (320136408021),VEDA GAYATRI YEDLA (320136408041), of 2020-2024 batch , in Partial fulfilment of the Requirements for the award of degree of Bachelor of Engineering of Dr.Lankapalli Bullayya College of Engineering, Visakhapatnam, has been approved.

Examiners

1) G.T.P. Naidu
(Dr.G.T. NAIDU)

Project Guide

2) Arunima Mahapatra
(Dr.ARUNIMA MAHAPATRA)

Internal Examiner

3) G.T.P. Naidu
(Dr.G.T. NAIDU)

External Examiner

Date: 24/4/24
VISAKHAPATNAM

ABSTRACT

The planning, designing, and estimation of residential buildings constitute a critical aspect of civil engineering, integrating principles of architectural design, structural analysis, and cost estimation. This project aims to demonstrate a comprehensive methodology for the development of a G+2 residential building, employing advanced software tools such as AutoCAD for design and drafting, STAAD-Pro for structural analysis, and Excel for estimation.

The project encompasses various phases, starting from conceptualization and site analysis to final construction documentation. Initial planning involves the selection of an appropriate site, considering factors such as location, orientation, and zoning regulations. Subsequently, detailed architectural drawings are generated using AutoCAD, incorporating design elements to optimize functionality, aesthetics, and spatial efficiency.

Structural analysis forms a pivotal aspect of the project, ensuring the safety and stability of the building. STAAD-Pro software is utilized to perform rigorous structural analysis, assessing factors such as load distribution, stress concentrations, and deflection under various loading conditions. The structural design is optimized to meet safety standards while minimizing material usage and construction costs.

Furthermore, the project entails the estimation of material quantities and costs using Excel spreadsheets. Detailed quantity take-offs are generated based on the architectural and structural drawings, accounting for materials such as concrete, steel, bricks, and finishes. Cost estimation involves analyzing material prices, labor costs, and other overheads to derive an accurate construction budget.

The implementation of this project not only enhances our understanding of architectural and structural principles but also demonstrates the practical application of software tools in the construction industry. The methodology presented herein serves as a valuable reference for future projects, offering insights into efficient planning, sustainable design, and cost-effective construction practices in residential building projects.

A STUDY ON THE BEHAVIOUR AND ANALYSIS OF MOSS GROWN ON CONCRETE

A PROJECT REPORT

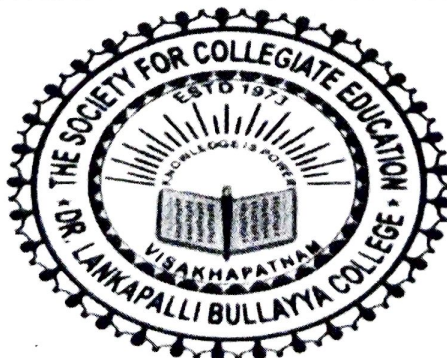
Submitted in partial fulfilment of requirements for the award of “Bachelor of Engineering “ in Civil Engineering”

SUBMITTED BY:

N.NANDINI	(320136408029)
R.SAIKUMAR	(320136408033)
V.UDAY KIRAN	(320136408040)
M.BHARGAV	(320136408047)
O.HARSHITH	(320136408049)
Y.SURYA JHANSI	(315136408027)

Under the esteemed guidance of

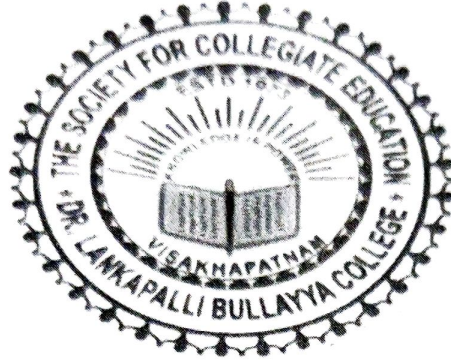
MR. D.V.V. SATYANARAYANA MURTHY M.Tech



**DEPARTMENT OF CIVIL ENGINEERING, DR.LANKAPALLI
BULLAYYA OF ENGINEERING (Affiliated to Andhra University,
Visakhapatnam), New Resapuvanipalem, Visakhapatnam, 530013**

2024

**DR.LANKAPALLI BULLAYYA COLLEGE OF ENGINEERING
AFFILIATED TO ANDHRA UNIVERSITY, VISAKHAPATNAM**





BONAFIDE CERTIFICATE

This is to certify that the project, entitled “A STUDY ON THE BEHAVIOUR AND ANALYSIS OF MOSS GROWN ON CONCRETE,” being submitted by

N.NANDINI	(320136408029)
R.SAIKUMAR	(320136408033)
V.UDAY KIRAN	(320136408040)
M.BHARGAV	(320136408047)
O.HARSHITH	(320136408049)
Y.SURYA JHANSI	(315136408027)

In partial fulfilment requirements for the award of the degree of “BACHELOR OF ENGINEERING” in “CIVIL ENGINEERING” ANDHRA UNIVERSITY, is a record of bonafide work carried by them under our guidance and supervision . To the best of our knowledge, the matter embodied in the project has not been submitted to any other institute or university for the award of degree.


D.V.V. SATYANARAYANA MURTHY
(Project Guide)


DR.G.T.NAIDU
(Head of the Department)

External Examiner

Head of the Dept.
Dept. of Civil Engineering
Dr.Lankapalli Bullayya College of Engineering
Resapuvaniapalem, Visakhapatnam-530013.A.P


DEPARTMENT OF CIVIL ENGINEERING

VISAKHAPATNAM

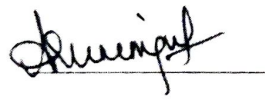
PROJECT EVALUATION REPORT

This Project work entitled "A Study on the Behaviour and analysis of Moss grown on Concrete" Submitted by N.NANDINI (320136408029), R.SAIKUMAR (320136408033), V.UDAY KIRAN (320136408040), M.BHARGAV (320136408047), O.HARSHITH (320136408049), Y.SURYA JHANSI (31536408027) of 2020-2024 batch , in Partial fulfilment of the Requirements for the award of degree of Bachelor of Engineering of Dr.Lankapalli Bullayya College of Engineering, Visakhapatnam, has been approved.


Examiners

1) 
(D.V.V. SATYANARAYANA MURTHY)

Project Guide

2) 
(Dr.ARUNIMA MAHAPATRA)

Internal Examiner

3) 
(Dr.G.T. NAIDU)

External Examiner

Date: 24/4/24
VISAKHAPATNAM

ABSTRACT

Moss Concrete: A Novel Approach to Sustainable-Construction

The purpose of the study is to investigate the impact of moss-growing concrete as a new sustainable material in the Construction Industry.

As concerns about environmental degradation and resource depletion continue to mount, the search for innovative and environmentally friendly construction materials has become paramount. One such material that has captured the interest of researchers and professionals in the field is moss-growing concrete, a novel approach that combines the structural properties of concrete with the ecological benefits of live moss growth. This study aims to explore the potential impact of moss-grown concrete as a new sustainable material in the Construction industry. Concrete, being one of the most widely used construction materials, has contributed to environmental issues due to its high energy consumption and carbon dioxide emissions during production. The emergence of sustainable construction practices has led to the exploration of alternative materials that possess lower environmental footprints while maintaining or even enhancing the material's functionality. Moss-growing concrete presents an intriguing solution by incorporating living moss into the concrete matrix, offering benefits such as carbon sequestration, air purification, thermal insulation, and aesthetic appeal.

An environmentally friendly building material called moss concrete integrates the structural properties of concrete with the biological properties of moss. In addition to providing an element of greenery to urban areas, this synergy also helps to regulate temperature and enhance air quality. By growing moss on concrete panels, a facade that is dynamic and adaptable to changing weather conditions and environmental factors can be created over time.

The study will analyse the behaviour of moss concrete composed of various grades, such as M20, M25, and M30, through a combination of laboratory experiments, material testing, and surveys or interviews. The study will gather empirical data to assess the material's structural integrity, durability, maintenance requirements, and potential to positively impact indoor environmental quality. By discussing the feasibility, advantages, and challenges associated with moss-growing concrete, this research aims to provide valuable insights into the material's potential role in revolutionising the construction industry.

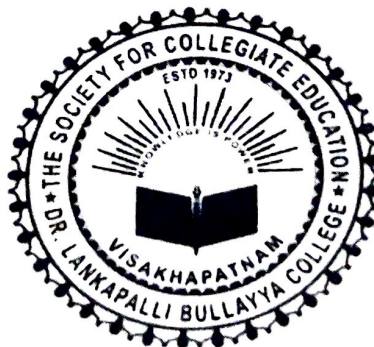
The findings of this research aim to contribute to the development of sustainable construction practices by promoting the adoption of moss concrete as an environmentally friendly alternative. Additionally, the aesthetic appeal and potential health benefits associated with moss concrete may open new avenues for integrating nature into urban infrastructure, fostering a harmonious relationship between the built environment and the natural world.

EXPERIMENTAL STUDY ON PARTIAL REPLACEMENT OF CEMENT WITH GGBS & SILICO MANGANESE WITH M30 GRADE CONCRETE

A Case Study Submitted In Partial Fulfillment For The Awards Of Degree Of BACHELOR
OF ENGINEERING IN CIVIL ENGINEERING BY

CH. REVATHI	320136408044
G. HEMANTH KUMAR	320136408010
N. JAI RAM	320136408028
Y. VASANTHI	320136408043
K. T.RAJ KUMAR	320136408046

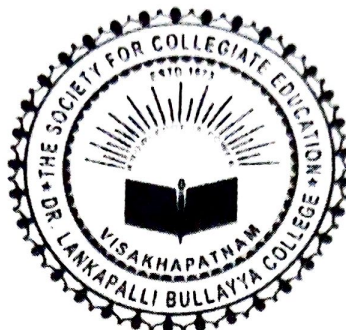
UNDER THE ESTEEMED GUIDANCE OF
M.HIMANGESWARI, M.E(STRUCTURES)



DEPARTMENT OF CIVIL ENGINEERING
DR. LANKAPALLI BULLAYA COLLEGE OF ENGINEERING
(AFFILIATED TO ANDHRA UNIVERSITY, VISAKHAPATNAM)
NEW RESUPAVANIPALEM, VISAKHAPATNAM, 530013

2024

**DR. LANKAPALLI BULLAYA COLLEGE OF ENGINEERING
AFFILIATED TO ANDHRA UNIVERSITY, VISAKHAPATNAM**




CERTIFICATE

THIS IS TO CERTIFY THAT THE B.E(CIVIL) FINAL YEAR STUDENTS OF THE

CH. REVATHI	320136408044
G. HEMANTH KUMAR	320136408010
N. JAI RAM	320136408028
Y. VASANTHI	320136408043
K. T.RAJ KUMAR	320136408046

HAVE DONE PROJECTWORK ON "EXPERIMENTAL STUDY PARTIAL REPLACEMENT OF CEMENT WITH GGBS& SILICO MANGANESE WITH M30 GRADE CONCRETE" AND SUBMITED THE SAME TO THE CIVIL ENGINEERING DEPARTMENT AS PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE AWARD OF DEGREE OF BACHELOR OF CIVIL ENGINEERING DURING THE ACADEMIC YEAR 2021-2024


M.HIMANGESWARI
(PROJECT GUIDE)


Prof Dr.G.T.NAIDU
(HEAD OF THE DEPARTMENT)
Head of the Dept.
Dept. of Civil Engineering
Dr.Lankapalli Bullaya College of Engineering
Resouvenipalem, Visakhapatnam-530013,A.P

EXTERNAL EXAMINER

VISAKHAPATNAM

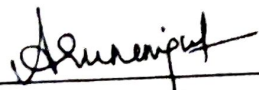
B.E PROJECT WORK EVALUATION REPORT

This project work entitled “EXPIRIMENTAL STUDY ON PARTISL REPLACEMENT OF CEMENT WITH GGBS & SILICO MANGANESE WITH M30 GRADE CONCRETE” submitted by Ch Revathi (320136408044), G. Hemanth Kumar (320136408009), N. Jaya Ram (320136408028), Y. Vasanthi (320136408043), K. T. Raj Kumar (320136408046) of batch 2020-2024, in partial fulfilment of the requirements for the award of degree of bachelor of engineering of Dr. Lankapalli Bullayya College of Engineering, Visakhapatnam, has approved.


EXAMINERS:

1) 
(Mrs. M. Himangeswari)

PROJECT GUIDE

2) 
(Dr. Arunima Mahapatra)

INTERNAL EXAMINER

3) 
(Dr. G. T. Naidu)

HEAD OF DEPARTMENT OF
CIVIL ENGINEERING

Date: 24/4/24

Station: Visakhapatnam

2. ABSTRACT

Concrete is a mixture of cement, fine aggregate, coarse aggregate and water. Concrete plays a vital role in the development of infrastructure Viz., buildings, industrial structures, bridges and highways etc., leading to utilization of large quantity of concrete. On the other side, cost of concrete is attributed to the cost of its ingredients which is scarce and expensive, this leading to usage of economically alternative materials in its production. This requirement is drawn the attention of investigators to explore new replacements of ingredients of concrete. The present technical report focuses on investigating characteristics of concrete with partial replacement of cement with GGBS & silico manganese. This usage of GGBS & silico manganese serves as replacement to already depleting conventional building materials and the recent years. Due to rapid development in infra structure it turns out to be very necessary to find and adopt some eco-friendly products. This project represents the results of an experimental investigations accomplish to understand the suitability of GGBS and silico manganese in production of concrete. In this experimental study the impact of GGBS & silico manganese on strength of referral concrete M30 grade concrete was prepared by replacing part of cement with GGBS & silico manganese. The replacement levels were 0%, 30%, 40% & 50% (by weight of cement) for GGBS. Fresh concrete properties viz. slump cone was carried out. Strength of concrete was determined by performing compressive strength test on (150mmx150mmx150mm)

B-11

PERFORMANCE OF DUAL CHAMBER MICROBIAL FUEL CELLS WITH WASTEWATER FOR POWER PRODUCTION AND TREATMENT.

Final Project Report submitted in
Dr. L. Bullayya College of Engineering in the partial fulfillment of the
requirement for the award of degree of

BACHELOR OF TECHNOLOGY

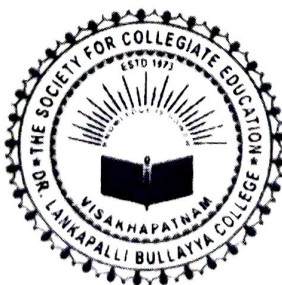
IN

CIVIL ENGINEERING

Submitted By:

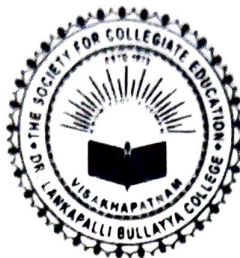
V.SAI BALA GOPAL	(320136408039)
G. SUNIL KUMAR	(320136408010)
D. KALI KUMAR	(320136408008)
N. PRASANTH	(320136408027)
Y. KALYAN	(320136408042)

Under the esteemed Guidance of
D.V. VARA MANASA, M.Tech [EEM]



DEPARTMENT OF CIVIL ENGINEERING,
DR. LANKAPALLI BULLAYYA OF ENGINEERING
(Affiliated to Andhra University, Visakhapatnam),
New Resapuvanipalem,
Visakhapatnam, 530013

**Dr. LANKAPALLI BULLAYYA COLLEGE OF
ENGINEERING
AFFILIATED TO ANDHRA UNIVERSITY
VISAKHAPATNAM**

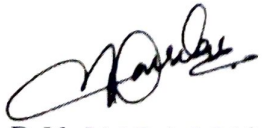


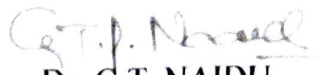
BONAFIDE CERTIFICATE

This is to certify that the project, entitled **“PERFORMANCE OF DUAL CHAMBER MICROBIAL FUEL CELLS WITH WASTE WATER FOR POWER PRODUCTION AND TREATMENT”** being submitted by

V.SAI BALA GOPAL	(320136408039)
G. SUNIL KUMAR	(320136408010)
D. KALI KUMAR	(320136408008)
N. PRASANTH	(320136408027)
Y. KALYAN	(320136408042)

In partial fulfilment requirements for the award of the degree of **“BACHELOR OF ENGINEERING”** in **“CIVIL ENGINEERING”** ANDHRA UNIVERSITY, is a record of bonafide work carried by them under our guidance and supervision. To the best of our knowledge, the matter embodied in the project has not been submitted to any other institute or university for the award of degree.


Ms. D.V. VARA MANASA
(Project Guide)

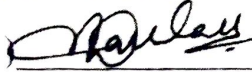

Dr. G.T. NAIDU
(Head of the Department)
Dept. of Civil Engineering
Dr. Lankapalli Bullayya College of Engineering
Resapuvaniapalem, Visakhapatnam-530011, A.P.

EXTERNAL EXAMINER.

DEPARTMENT OF CIVIL ENGINEERING
VISAKHAPATNAM
B.E PROJECT WORK EVALUATION REPORT

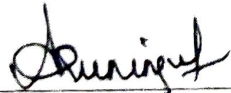
This project work entitled "PERFORMANCE OF DUAL CHAMBER MICROBIAL FUEL CELLS WITH WASTE WATER FOR POWER PRODUCTION AND TREATMENT" submitted by V. Sai Bala Gopal (320136408039), D. Kali Kumar (320136408008), G. Sunil Kumar (320136408010), N. Prasanth (320136408027) and Y. Kalyan (320136408042) of 2020-2024 batch, in partial fulfilment of the requirements for the award of degree of Bachelor of Engineering of Dr. Lankapalli Bullayya College of Engineering, Visakhapatnam, has been approved.

EXAMINERS:

1) 

(Ms. D. V. V. Manasa)

PROJECT GUIDE

2) 

(Dr. Arunima Mahapatra)

INTERNAL EXAMINER

3) 

(Prof. G. T. Naidu)

EXTERNAL EXAMINER

Date:

Station: Visakhapatnam

ABSTRACT

Dual-chamber microbial fuel cells (MFCs) have garnered significant attention in recent years due to their promising potential for sustainable energy generation from organic waste. This review provides a comprehensive overview of the advancements, challenges, and future prospects of dual-chamber MFC technology. The paper begins with an introduction to the principles of microbial fuel cells and the rationale behind the dual-chamber configuration. It discusses the design considerations including electrode materials, membrane selection, and reactor configurations, highlighting recent innovations aimed at enhancing performance and scalability. Key advancements in dual-chamber MFCs are reviewed, focusing on improvements in power output, microbial community dynamics, and substrate utilization. Strategies such as microbial enrichment, biofilm engineering, and electrode modifications are discussed in detail, showcasing their impact on MFC performance and stability. Furthermore, the review explores the application of dual-chamber MFCs in various fields including wastewater treatment, bioenergy productions.



Dr. LANKAPALLI BULLAYYA COLLEGE OF ENGINEERING

The Society For Collegiate Education

Affiliated to Andhra University, Approved by AICTE

52-14-75, Resapuvanipalem, Visakhapatnam - 530 013.

Ph : Off : 0891-2703293, 2703296

Email : principal@lbce.edu.in Website : www.lbce.edu.in

DEPARTMENT OF COMPUTER SCIENCE ENGINEERING

Projects

List of Students

Academic Year:2023-2024

Class: IV-II B.Tech

S. No	Roll Number	Name of the Student	Project Title	Place	Duration (From-To)
1	320136410001	A.LAVANYA	Plant disease detection using leaf image	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
2	320136410032	D.BHANU SAI TEJA	Plant disease detection using leaf image	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
3	320136410128	ARIJERLA PADMA	Plant disease detection using leaf image	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
4	320136410063	M.NITHISH	Plant disease detection using leaf image	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
5	320136410127	APPALABATTULA VINODH	Plant disease detection using leaf image	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
6	320136410064	M.K.P.VRITIKA	Navigating tomorrow:Smart traffic management with object detection	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
7	320136410041	I.GNANESWARI	Navigating tomorrow:Smart traffic management with object detection	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
8	320136410045	J.V.NAGENDRA REDDY	Navigating tomorrow:Smart traffic management with object detection	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
9	320136410047	K.JOHN BABU	Navigating tomorrow:Smart traffic management with object detection	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
10	320136410050	K.DHARANI	Health care chatbot	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
11	320136410004	A.ANUSHA	Health care chatbot	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
12	320136410040	G.SATWIKI	Health care chatbot	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
13	320136410062	M.PADMAVATHI	Health care chatbot	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
14	320136410007	A.YAMUNA	LSTM for stock market prediction	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024

S. No	Roll Number	Name of the Student	Project Title	Place	Duration (From-To)
15	320136410027	C.SNEHA SAI	LSTM for stock market production	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
16	320136410031	D.VYSISHTYA	LSTM for stock market production	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
17	320136410129	GANDABOYINA VARSHA BHANU	LSTM for stock market production	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
18	320136410034	D.MANASA	Enhancing search engine user experience through personalization	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
19	320136410035	E.DIVIJ VIGNESH	Enhancing search engine user experience through personalization	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
20	320136410048	K.HARSH	Enhancing search engine user experience through personalization	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
21	320136410024	C.ASHISH VARMA	Enhancing search engine user experience through personalization	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
22	320136410015	B.MADHULIKA	Skin disease detection using vgg16 with CNN	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
23	320136410013	B.VEENA VARSHITA	Skin disease detection using vgg16 with CNN	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
24	320136410131	GORUMUTCHI PRABHUSHAN	Skin disease detection using vgg16 with CNN	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
25	320136410023	C.RAJESH	Skin disease detection using vgg16 with CNN	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
26	320136410028	CH.PUJITHA	Drone detection system using yolo algorithm	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
27	320136410017	B.SINDHU MOULIKA	Drone detection system using yolo algorithm	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
28	320136410060	K.YUVARAJ	Drone detection system using yolo algorithm	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
29	320136410022	C.ADITYA SRINIVAS	Drone detection system using yolo algorithm	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
30	320136410020	B.KEERTHI	Malicious post detection in social media using data categorisation	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
31	320136410029	C.V.S.V.MANJU SREE	Malicious post detection in social media using data categorisation	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
32	320136410026	C.JANI SRI	Malicious post detection in social media using data categorisation	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
33	320136410016	B.GOPALA KRISHNA	Malicious post detection in social media using data categorisation	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
34	320136410043	J.ANITHA	Signature detection using machine learning	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
35	320136410019	B.LAKSHMI MANASA	Signature detection using machine learning	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
36	320136410126	ANAPARTHI BHARGAVI	Signature detection using machine learning	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
37	320136410009	B.A.SONY	Signature detection using machine learning	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024

S. No	Roll Number	Name of the Student	Project Title	Place	Duration (From-To)
38	320136410014	B.HARITHA	Automated timetable generation system	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
39	320136410010	B.SATYAPRIYA	Automated timetable generation system	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
40	320136410059	K.RAM TAGORE	Automated timetable generation system	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
41	320136410005	A.VANDANA	Automated timetable generation system	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
42	320136410021	CH.SRI SRITHA	Sign language translation using gestures	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
43	320136410037	G.LAKSHMI MANASA	Sign language translation using gestures	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
44	320136410058	K.BHARAT KUMAR	Sign language translation using gestures	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
45	320136410033	D.HEMANTH KUMAR CHOWDARY	Sign language translation using gestures	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
46	320136410100	S.DIVYA VANI	Detection of Advanced persistent threat using deep learning in python	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
47	320136410087	BHARGAV POLAMARASETTI	Detection of Advanced persistent threat using deep learning in python	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
48	320136410097	RESHMA SATRABOINA	Detection of Advanced persistent threat using deep learning in python	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
49	320136410123	NITHIN NARAYAN	Detection of Advanced persistent threat using deep learning in python	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
50	320136410120	Y.SRAVAN KUMAR	Social media sentiment analysis using Instagram	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
51	320136410095	SANA SREEYA SREE	Social media sentiment analysis using Instagram	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
52	320136410075	PAKKI PRAVALLIKA	Social media sentiment analysis using Instagram	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
53	320136410093	SAHUKARA JAHNAVI	Social media sentiment analysis using Instagram	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
54	320136410098	CH.VIDYA	Customer behaviour prediction	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
55	320136410069	MIHIR VARMA CHINTALAPATI	Customer behaviour prediction	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
56	320136410118	VUNDRU MOUNIKA	Customer behaviour prediction	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
57	320136410137	RAJANA PAVAN KUMAR	Customer behaviour prediction	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
58	320136410074	P.SRI LAKSHMI PRASANNA	Shrimp analysis and disease prediction	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
59	320136410110	ALEKHYA VADDI	Shrimp analysis and disease prediction	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
60	320136410102	GOWTHAMI SARANYA	Shrimp analysis and disease prediction	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024


S. No	Roll Number	Name of the Student	Project Title	Place	Duration (From-To)
61	320136410135	NALLA PAVAN KALYAN	Shrimp analysis and disease prediction	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
62	320136410070	M.T.V.VAISHNAVI	Content based movie recommender system	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
63	320136410105	TELLI.NAVEEN	Content based movie recommender system	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
64	320136410112	VAMSI RAM ANNEPU	Content based movie recommender system	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
65	320136410116	V. VENKATA SISINDRI	Content based movie recommender system	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
66	320136410082	P.THILOSHNA	Audio alert system	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
67	320136410067	MEKA. BHAVYASREE	Audio alert system	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
68	320136410071	M. AHMED	Audio alert system	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
69	320136410103	G.SURAJ REDDY	Audio alert system	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
70	320136410107	T.DHILLESWARA RAO	Privacy shield:securing social sphere	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
71	320136410068	MENAWELI NAVYA	Privacy shield:securing social sphere	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
72	320136410077	ROHIT PALIKA	Privacy shield:securing social sphere	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
73	320136410088	POLARASI SRI KEERTHI SUPRIYA	Privacy shield:securing social sphere	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
74	320136410125	Y.BHUVANESHWARI	Health insurance cost production	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
75	320136410113	VARANASI HARIPRIYA	Health insurance cost production	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
76	320136410114	VEERAMREDDY NAVEEN REDDY	Health insurance cost production	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
77	320136410111	VAIDADA JAYADEEP	Health insurance cost production	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
78	320136410051	K.DINESH REDDY	Homomorphic encryption	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
79	320136410003	A.VASU	Homomorphic encryption	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
80	320136410042	J.CHITRA HARSH	Homomorphic encryption	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
81	320136410030	D.HEMALATHA	Homomorphic encryption	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
82	320136410008	B.S.N.P.NODITHA	Pet health monitoring	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
83	320136410038	G.VIJAYA VARSHITA	Pet health monitoring	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
84	320136410056	K.BHAGYA	Pet health monitoring	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
85	320136410054	K.DILEEP	Pet health monitoring	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
86	320136410132	GURUGUBELLI ANANTHA SAI	Pet health monitoring	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024

S. No	Roll Number	Name of the Student	Project Title	Place	Duration (From-To)
87	320136410124	Y.PAVANI	Fungal disease detection in rice seed and leaf using machine learning	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
88	320136410072	NEMANI VENKATA SRI SAI SIRISHA	Fungal disease detection in rice seed and leaf using machine learning	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
89	320136410094	S.SRAVANTHI	Fungal disease detection in rice seed and leaf using machine learning	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
90	320136410079	P DURGA BHAVANI	Fungal disease detection in rice seed and leaf using machine learning	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
91	320136410104	T.SRAVANI	Guardian of gamer's:Fortifying data security with block chain brilliance	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
92	320136410091	ASWINI	Guardian of gamer's:Fortifying data security with block chain brilliance	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
93	320136410066	MATTAM VISHNU CHARAN	Guardian of gamer's:Fortifying data security with block chain brilliance	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
94	320136410108	TRIPURANA JUHI SRAVANYA	Guardian of gamer's:Fortifying data security with block chain brilliance	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
95	320136410096	S.SAI CHANDRA	Agriculture commodity price prediction system	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
96	320136410109	U.JYOTHI SRAVYA	Agriculture commodity price prediction system	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
97	320136410065	MARRAPU KAVITHA	Agriculture commodity price prediction system	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
98	320136410138	SEERAM MANIKANTA BALA VARMA	Agriculture commodity price prediction system	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
99	320136410140	ONIMI YESWANTH	Agriculture commodity price prediction system	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
100	320136410085	P.JAYANTH KUMAR	Instrusion detection system with ML using IOT dataset	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
101	320136410083	PEETHALA .KRANTHI KUMAR	Instrusion detection system with ML using IOT dataset	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
102	320136410090	RAVIPATI KALYAN CHAKRAVARTHY	Instrusion detection system with ML using IOT dataset	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
103	320136410115	VELUVALI. SANTHI SHIPRAH	Instrusion detection system with ML using IOT dataset	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
104	320136410099	HARSHA NANDHINI	Design and implementation of plagiarism checker	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
105	320136410089	PUJARI KRISHNA VAMSI	Design and implementation of plagiarism checker	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024

S. No	Roll Number	Name of the Student	Project Title	Place	Duration (From-To)
106	320136410136	PATNALA HARIKA	Design and implementation of plagiarism checker	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
107	320136410076	JAYANTH KUMAR	Design and implementation of plagiarism checker	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
108	320136410084	P.HEMASREE	Smart assitant	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
109	320136410117	UJJWALA VIJAPURAPU	Smart assitant	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
110	320136410122	YELAKA SAI KIRAN	Smart assitant	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
111	320136410133	KAVURI SAIESHA	Smart assitant	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
112	320136410092	R.DURGA SAI	Virtual keyboard controlled by eye gaze	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
113	320136410073	NIMMAKAYALA.INDU	Virtual keyboard controlled by eye gaze	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
114	320136410078	SUSHMA PALLA	Virtual keyboard controlled by eye gaze	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
115	320136410086	SONIYAPODURI	Virtual keyboard controlled by eye gaze	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
116	320136410121	Y.VAMSI MANI PRASAD	AI Desktop assitant	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
117	320136410080	PEDDADA SASI KUMAR	AI Desktop assitant	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
118	320136410134	MOHAMMAD SHAMSHUL ARIFEEN	AI Desktop assitant	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
119	320136410139	SUGGU SHARON	AI Desktop assitant	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
120	320136410081	P.LAKSHMI PRASANNA	Speech emotion recognition using machine learning	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
121	320136410106	TELU SRAVYA	Speech emotion recognition using machine learning	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
122	320136410101	KABEER VALI SHAIK	Speech emotion recognition using machine learning	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
123	320136410036	G.V.M.LAKSHMI KANTHAM	Text to image generation	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
124	320136410025	C.SRI HARSHA VARDHAN	Text to image generation	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
125	320136410061	K.A.ANUSHA	Text to image generation	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
126	320136410052	K.DINDU	Text to image generation	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
127	320136410036	G.AKHIL	Disease prediction using machine learning	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
128	320136410002	A.S RATNA HARSHINI	Disease prediction using machine learning	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
129	320136410046	JYOTHI PILLA	Disease prediction using machine learning	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024

S. No	Roll Number	Name of the Student	Project Title	Place	Duration (From-To)
130	320136410055	K.KEERTHI	Disease prediction using machine learning	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
131	320136410053	K.ASHWARIYA JAHNAVI	Deep learning	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
132	320136410018	B.PRANATHI	Deep learning	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
133	320136410012	B.KAVITHA	Deep learning	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
134	320136410049	K.MEGHANA	Deep learning	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
135	320136410006	A.VASHNAVI VENKATA VINEETHA	Credit card security mechanism	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
136	320136410011	B.JANSHI RANI	Credit card security mechanism	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
137	320136410044	J.SAI VENKATA SRI DEVI	Credit card security mechanism	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
138	320136410057	K.SREE SURYA	Credit card security mechanism	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024
139	320136410130	GANDREDDI GOWTHAMI	Credit card security mechanism	DLBC VISAKHAPATNAM	23-11-2023 to 15-04-2024


HOD-CSE


PRINCIPAL
Dr. Lankapalli Bullayya College of Engineering
Door No. 52-14-75, Resapuvanipalem
Visakhapatnam-530013
Andhra Pradesh

Dr. L. BULLAYYA COLLEGE OF ENGINEERING

New Resapuvanipalem, Visakhapatnam-530013

Department of Computer Science Engineering



Bonafide Certificate

This is to certify that **Ms. Ch.Vidya , Mr. Ch. Mihir Varma , Ms. V.Mounika and Mr. R.Pavan Kumar** bearing registration numbers **320136410098, 320136410069, 320136410118 and 320136410137** students of Fourth year B. Tech in Computer Science Engineering, has carried out the project work titled **“CUSTOMER BEHAVIOR PREDICTION: A DATA-DRIVEN APPROACH ”** at Dr. L.Bullayya College of Engineering, Visakhapatnam, during the academic year 2023-24.


Project Supervisor

Mr. Md. Farhatullah

Assistant Professor

Dept. of Computer Science Engineering




Head Of the Department

Dr. D. Madhavi

Professor

Dept. of Computer Science Engineering

Dr. LANKAPALLI BULLAYYA COLLEGE OF ENGINEERING

New Resapuvanipalem, Visakhapatnam-530013

Department of Computer Science & Engineering



Bonafide Certificate

This is to certify that **Ms. G.V.M.Lakshmi Kantham, K.A.Anusha, K.Dindhu, Mr. C.Sri HarshaVardhan** bearing register numbers **320136410036, 320136410061, 320136410052, 320136410025** students of Final year B.Tech in Computer Science Engineering, have carried out the project work titled **"Text to Image Generation"** at Dr. L. Bullayya College of Engineering, Visakhapatnam during the academic year 2023-2024.


Project Supervisor

Mrs. Vempada Sarada,

Assistant Professor

Dr. L. Bullayya college of Engineering

Dept. of Computer Science Engineering


Head of the Department

Dr. D. Madhavi

Professor

Dr. L. Bullayya college of Engineering

Dept. of Computer Science Engineering



Dr.LANKAPALLI BULLAYYA COLLEGE OF ENGINEERING
New Resapuvanipalem, Visakhapatnam-530013

Department of Computer Science Engineering



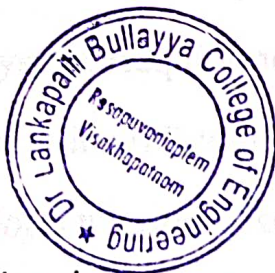
Bonafide certificate

This is to certify that Mr Sasubilli Sai Chandra, Miss Marrapu Kavitha, Miss Uyyuri Jyothi Sravya, Mr Seeram Bala Varma and Mr Onimi Yeswanth bearing register number 320136410096, 320136410065, 320136410109, 320136410138, 320136410140 students of Final year B. Tech in Computer Science Engineering, have carried out the project work titled “Agricultural Commodity Price Prediction System” at Dr. Lankapalli Bullayya College of Engineering, Visakhapatnam during the academic year 2023-24.

Project Guide

Prof. D. Raja Kishor

Dept. of Computer Science Engineering



Head of the Department

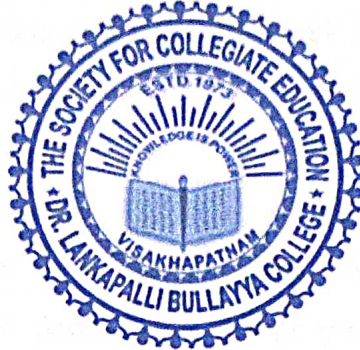
Prof. D. Madhavi

Dept. of Computer Science Engineering

DR.LANKAPALLI BULLAYYA COLLEGE ENGINEERING

New Resapuvanipalem, Visakhapatnam-530013

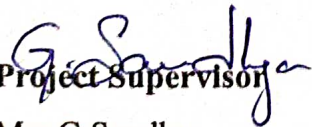
Department of Computer Science Engineering



Bonafide certificate

This is to certify that Miss **R. Durga Sai**, Miss **N. Indu**, Miss **P. Sushma**, Miss **P. Soniya** of register numbers: **320136410092**, **320136410073**, **320136410078**, **320136410086** students of Fourth year B.Tech in Computer Science Engineering, has carried out the Project titled **"VIRTUAL KEYBOARD CONTROLLED BY EYE GAZE"** at Dr.Lankapalli Bullayya College of Engineering, Visakhapatnam during the academic year **2023-24**.




Project Supervisor

Mrs.G.Sandhya

Assistant Professor

Dept.of Computer Science Engineering



Head of the Department

Dr. D. Madhavi

Professor

Dept.of Computer Science Engineering

Dr. LANKAPALLI BULLAYYA COLLEGE OF ENGINEERING

New Resapuvaniipalem, Visakhapatnam-530013

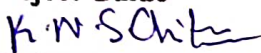
Department of Computer Science Engineering



Bonafide Certificate

This is to certify that Ms.M.K.P.Vritika, Ms.I.Gnaneswari, J.V. Nagendra, K.John bearing register numbers 320136410064,320136410041,320136410045,320136410047 students of Final year B.Tech in Computer Science Engineering has carried out the project work titled “Navigating Tomorrow: Smart Traffic Management with Object Detection” at Dr. Lankapalli Bullayya College of Engineering, Visakhapatnam during the academic year 2023-2024.

Project Guide



Ms. K.N.S. Chitra

Assistant professor

Dr. L. Bullayya College of Engineering




Head of Department

Dr.D.Madhavi

Professor Dept.of ComputerScienceEngineering

Dr. L. Bullayya College of Engineering

Dr. L. BULLAYYA COLLEGE OF ENGINEERING

New Resapuvani palem, Visakhapatnam-530013

Department of Computer Science Engineering



Bonafide Certificate

This is to certify that **Ms.B.Madhulika, Mr.CH.Rajesh, Mr.G.Prabhushan, Ms.B.Veena Varshitha** bearing register numbers 320136410015, 320136410023, 320136410131 and 320136410013 students of final year B. Tech in Computer Science Engineering, has carried out the project work titled **“Skin Disease Detection Using VGG16 With CNN”** at Dr.Lankapalli Bullayya College of Engineering, Visakhapatnam during the academic year 2023-24.

Project Supervisor

Mrs. T.Aruna
Assistant professor
Dept. of Computer Science Engineering

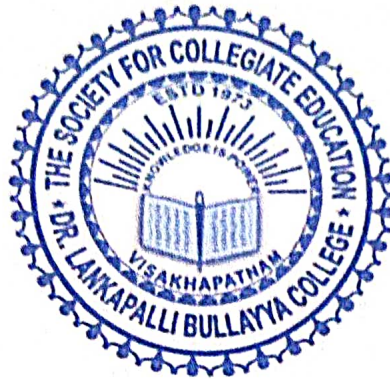


Head of Department

Dr. D.Madhavi
Professor
Dept. of Computer Science Engineering

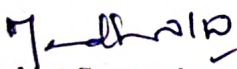
Dr. L. BULLAYYA COLLEGE OF ENGINEERING
New Resapuvaniipalem, Visakhapatnam-530013

Department of Computer Science Engineering



BONAFIDE CERTIFICATE

This is to certify that **Ms. B.Keerthi, Ms. CH.V.S.V.Manju Sree, Mr. B.Gopala Krishna, Ms. Ch.Jani Sri** bearing register numbers **320136410020, 320136410029, 320136410026, 320136410016** students of Final year B. Tech in Computer Science Engineering, has carried out the project work titled “ **MALICIOUS POST DETECTION IN SOCIAL MEDIA USING DATA CATEGORISATION** ” at Dr. L. Bullayya College of Engineering, Visakhapatnam during the academic year **2023-24**.


Project Supervisor

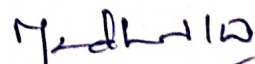
Dr. D. Madhavi

Professor

Dept. of Computer Science Engineering

Dr. L. Bullayya college of Engineering




Head of the Department

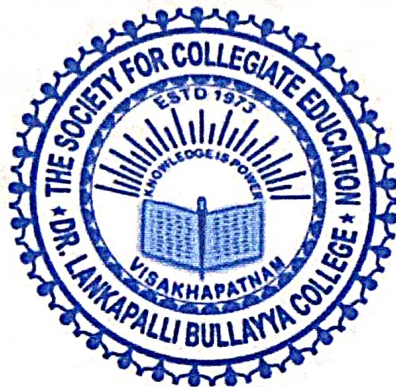
Dr. D. Madhavi
Professor

Dept. of Computer Science Engineering

Dr. L. Bullayya college of Engineering

Dr. L. BULLAYYA COLLEGE OF ENGINEERING
New Resapuvanipalem, Visakhapatnam-530013

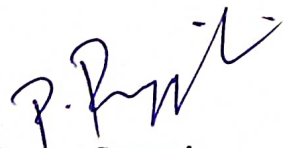
Department of Computer Science Engineering



Bonafide Certificate

This is to certify that **Ms. K. Aiswarya Jahnavi, Ms. B. Pranathi, Ms. K. Meghana, Ms. B. Kavitha** bearing register numbers **320136410053, 320136410018, 320136410049, 320136410012** students of Final year B. Tech in Computer Science Engineering, has carried out the project work titled “ **Intrusion Detection System using Deep Learning with Different Datasets** ” at Dr. L. Bullayya College of Engineering, Visakhapatnam during the academic year **2023-24**.




Project Supervisor

Mrs. P. Rajyalaxmi
Assistant Professor
Dept of Computer Science and Engineering
Dr. Lankapalli Bullayya College of Engineering

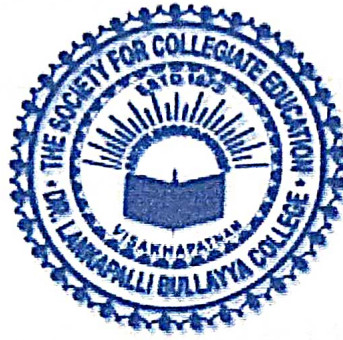

Head of the Department

Dr. D. Madhavi
Professor
Dept of Computer Science and Engineering
Dr. Lankapalli Bullayya College of Engineering

Dr. L. BULLAYYA COLLEGE OF ENGINEERING

New Resapuvanipalem, Visakhapatnam-530013

Department of Computer Science and Engineering



Bonafide Certificate

This is to certify that **Ms. P. Lakshmi Prasanna, Ms. T. Sravya, Mr. Kabeer Vali Shaik**, bearing register numbers 320136410081, 320136410106, 320136410101 Students of Final year B. Tech in Computer Science Engineering, has carried out the project work titled **“Speech Emotion Recognition using Machine Learning”** at Dr. Lankapalli Bullayya College of Engineering, Visakhapatnam during the academic year 2023-24.

Project Supervisor

Dr. K. Anuradha

Assistant Professor

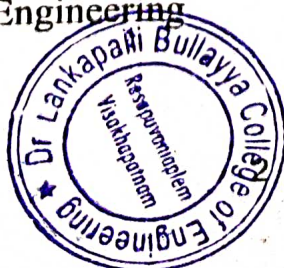
Dept. of Computer Science Engineering

Head of the Department

Dr. D. Madhavi

Professor

Dept. of Computer Science Engineering



Dr. LANKAPALLI BULLAYYA COLLEGE OF ENGINEERING
New Resapuvanipalem, Visakhapatnam-530013

DEPARTMENT OF COMPUTER SCIENCE ENGINEERING



BONAFIDE CERTIFICATE

This is to certify that Miss P.Sri Lakshmi Prasanna, Miss Alekhya, Miss S.V.G.saranya Mr N.Pawan Kalyan bearing register numbers 320136410074, 320136410110, 320136410102, 320136410135 students of Fourth year B.Tech in Computer Science Engineering, have carried out the project work titled “Shrimp Feed Analysis and Disease Prediction” at Dr. Lankapalli Bullayya College of Engineering, Visakhapatnam during the academic year 2023 -2024.

G. Kavya.

Project Supervisor

Ms.G.Kavya(PhD)

Assistant.Professor

Department of Computer Science
Engineering



H. Madhavi

Head of the Department

Dr. D. Madhavi

Professor

Department of Computer Science
Engineering

Dr. L. BULLAYYA COLLEGE OF ENGINEERING

New Resapuvanipalem, Visakhapatnam-530013

Department of Computer Science Engineering



Bonafide Certificate

This is to certify that Ms. Yellapu Pavani, N.V.S.S.Sirisha, S.Sravanthi,P.Durga Bhavani bearing register numbers 320136410124, 320136410072, 320136410094, 320136410079 students of Final year B. Tech in Computer Science Engineering, has carried out the project work titled “Fungal Disease Detection in Rice Seed and Leaf using Machine Learning” at Dr. L. Bullayya College of Engineering, Visakhapatnam during the academic year 2023-24.

Project Supervisor

Ms.NAF.Namratha
Assistant Professor
Dr. L. Bullayya college of
Engineering



Head of the Department

Dr. D. Madhavi
Professor
Dept. of Computer Science
Engineering

Dr. L. BULLAYYA COLLEGE OF ENGINEERING
New Resapuvanipalem, Visakhapatnam-530013

Department of Computer Science Engineering



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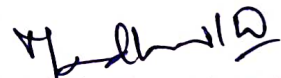
This is to certify that Ms A.Lavanya, Mr D.Bhanu Sai Teja, Ms A.Padma, Mr M. Nithish, Mr A.Vinodh bearing register numbers 320136410001, 320136410032, 320136410128, 320136410063, 320136410127 students of Final year B.Tech in Computer Science Engineering has carried out the project work titled “Plant Disease Detection Through Leaf Image” at Dr. Lankapalli Bullayya College of Engineering, Visakhapatnam during the academic year 2023-2024.


Project Supervisor

Mr. Md.Farhatullah
Assistant professor

Dr. L. Bullayya college of Engineering




Head of the Department

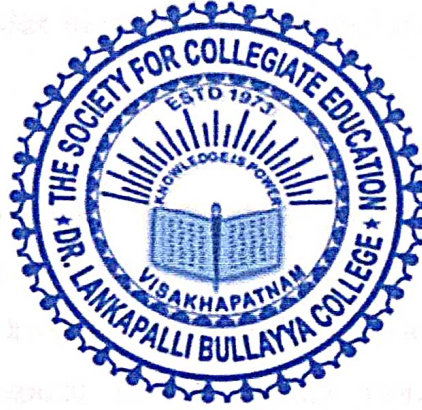
Dr.D.Madhavi
Professor
Dept. of Computer Science Engineering

Year of submission: 2024

Dr L. BULLAYYA COLLEGE OF ENGINEERING

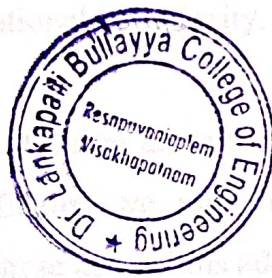
New Resapuvanipalem, Visakhapatnam - 530013


Department of Computer Science Engineering

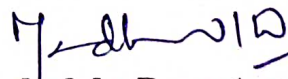


Bonafide Certificate

This is to certify that Mr. Thangudu Dhileswara Rao, Ms. Menaweli Navya, Ms. Polarasi Sri Keerthi Supriya, Mr. Rohit Palika bearing register numbers 320136410107, 320136410068, 320136410088, 320136410077 students of 4th Year B. Tech in Computer Science Engineering, has carried out the project work titled **“PRIVACY SHIELD: SECURING SOCIAL SPHERE”** at Dr L. Bullayya College of Engineering, Visakhapatnam during the academic year 2023-24.

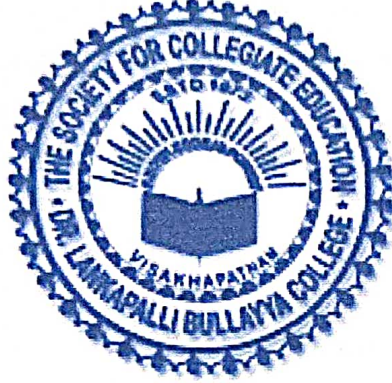



Project Supervisor
Shri. Syed Mujib Rahaman
Associate Professor
Dept. of Computer Science Engineering


Head of the Department
Dr D. Madhavi
Professor
Dept. of Computer Science Engineering

Dr. L. BULLAYYA COLLEGE OF ENGINEERING
New Resapuvanipalem, Visakhapatnam-530013

Department of Computer Science Engineering



Bonafide certificate

This is to certify that Ms. D. Manasa, Mr. E. Divij Vignesh, Mr. Ch. Ashish Varma, and Mr. K. Harsh bearing register numbers 320136410034, 320136410035, 320136410024, and 320136410048 students in final year B.Tech in Computer Science Engineering, have carried out the project work titled "Enhancing Search Engine User Experience Through Personalization" during the academic year 2023-24.


Project Supervisor

Mr. Syed Mujib Rahaman
Associate Professor
Dr. L. Bullayya College of Engineering




Head of the Department

Dr. D. Madhavi
Professor
Dept. of Computer Science Engineering

Dr. L. BULLAYYA COLLEGE OF ENGINEERING
New Resapuvanipalem, Visakhapatnam-530013

Department of Computer Science Engineering



Bonafide Certificate

This is to certify that **Ms. B. Haritha, A. Vandana, B. Satyapriya, Mr. K. RamTagore** bearing register numbers **320136410014, 320136410005, 320136410010, 320136410059** students of Final year B.Tech in Computer Science Engineering, have carried out the project work titled **"Automated Timetable Generation System"** at Dr. L. Bullayya College of Engineering, Visakhapatnam during the academic year 2023-2024.

Project Supervisor

Mr. B. Santos Kumar

Assistant Professor

Dept. of Computer Science Engineering

Dr. L. Bullayya College of Engineering



Head of the Department

Dr. D. Madhavi

Professor

Dept. of Computer Science Engineering

Dr. L. Bullayya College of Engineering

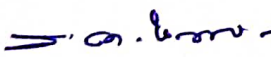
Dr. L. BULLAYYA COLLEGE OF ENGINEERING
New Resapuvanipalem, Visakhapatnam-530013

Department of Computer Science Engineering




Bonafide Certificate

This is to certify Ms.Seerapu Harsha Nandini, Ms.Patnala Harika, Mr.Pujari Krishna Vamsi and Mr.Palasetti Jayanth Kumar bearing register numbers 320136410099, 320136410136, 320136410089, 320136410076 students of Final year B. Tech in Computer Science Engineering, has carried out the project work titled "Design and Implementation of Plagiarism Checker " at Dr. L. Bullayya College Of Engineering, Visakhapatnam during the academic year 2023-24.


Project Supervisor
Mr.Syed Mujib Rahaman
Associate Professor
Dept. of Computer
Science Engineering




Head of the Department
Dr. D. Madhavi
Professor
Dept. of Computer
Science Engineering

Dr. L.BULLAYYA COLLEGE OF ENGINEERING

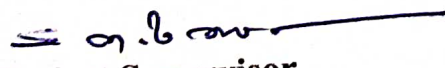
New Resapuvanipalem, Visakhapatnam-530013

Department of Computer Science Engineering



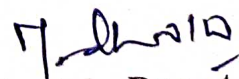
Bonafide Certificate

This is to certify that **Ms. Ch.Pujitha, Ms. B.Sindhu Moulika, Mr. K.Yuvaraj, Mr.Ch.Aditya Srinivas** bearing register numbers **320136410028, 320136410017, 320136410060, 320136410022** students of Final year B.Tech in Computer Science Engineering, have carried out the project work titled **"Drone Detection Using YOLO Algorithm"** at Dr. L. Bullayya College of Engineering, Visakhapatnam during the academic year 2023 - 2024.


Project Supervisor

Mr. Syed Mujib Rahaman
Associate Professor
Dr. L. Bullayya college of Engineering




Head of the Department

Dr. D. Madhavi
Professor
Dept. of Computer Science Engineering

Dr. L. BULLAYYA COLLEGE OF ENGINEERING
New Resapuvanipalem, Visakhapatnam-530013

Department of Computer Science Engineering



Bonafide certificate

This is to certify that Ms S. Divyavani, Mr P. Bhargav, Ms S. Reshma, Mr Y. Nithin Narayan bearing register numbers 320136410100, 320136410087, 320136410097, 320136410123 students of 4th year B.Tech in Computer Science Engineering, has carried out the project work titled "**Detection of Advanced Persistent Threat using Deep Learning**" at Dr. L.Bullayya College of Engineering Visakhapatnam during the academic year 2023-24.



G. Vamsi Krishna

Project Supervisor

Dr. G Vamsi Krishna

Associate. Professor

Dept of Computer Science Engineering

Dr. D. Madhavi
Head of the Department

Dr.D.Madhavi

Professor

Dept.of Computer Science Engineering

Dr. L. BULLAYYA COLLEGE OF ENGINEERING

New Resapuvanipalem, Visakhapatnam-530013

Department of Computer Science Engineering



Bonafide certificate

This is to certify that Miss **P.Hemasri**, Miss **V.Ujjwala**, Mr **Y.Saikiran**, Miss **K.Saiesha**, bearing register numbers **320136410084**, **320136410117**, **320136410122**, **320136410133** students of final year B.Tech in Computer Science Engineering, has carried out the Project work titled "SMART ASSISTANT" at Dr.Lankapalli Bullayya College Of Engineering, Visakhapatnam during the academic year **2023-24**.




Project Supervisor

Mr. B.Santos kumar [Ph.D]

Asst.Professor

Dept.Of CSE


Head of the Department

Dr.D.Madhavi

Professor

Dept.Of CSE

Dr. L. BULLAYYA COLLEGE OF ENGINEERING
New Resapuvanipalem, Visakhapatnam-530013

Department of Computer Science Engineering



Bonafide certificate

This is to certify that Miss **P.Thliloshna** ,Miss **M.Bhavyasree**, Mr **G.SurajReddy**, Mr **M.Ahmed** bearing register numbers **320136410082**, **320136410067**, **320136410103**, **320136410071** students of final year B.Tech in Computer Science Engineering, has carried out the Project work titled "**Audio Alert System**" at Dr. Lankapalli bullayya College of Engineering, Visakhapatnam ,Under the esteemed guidance of **Ms. S.Sravani** during the academic year **2023-24**.



Project Supervisor

Ms S Sravani
Asst.Professor
Dept. of Computer Science Engineering

Head of the Department

Dr.D.Madhavi
Professor
Dept. of Computer Science Engineering

Dr. L. BULLAYYA COLLEGE OF ENGINEERING

New Resapuvanipalem, Visakhapatnam-530013

Department of Computer Science Engineering



Bonafide Certificate

This is to certify that **Mr K. Venkatasai Dinesh Reddy, Ms D. Hema Latha, Mr A. Vasu, Mr J.Chitra Harsha** bearing register numbers **320136410051, 320136410030, 320136410003, 320136410042** students of Final year B. Tech in Computer Science Engineering, has carried out the project work titled **“Enhancing Data Privacy in Machine Learning with Homomorphic Encryption”** at Dr. Lankapalli Bullayya College of Engineering, Visakhapatnam during the academic year **2023-24**.

Project Supervisor

Dr.G.Vamsi Krishna

Associate Professor

Dr. L. Bullayya college of Engineering



Head of the Department

Dr. D. Madhavi

Professor

Dept. of Computer Science Engineering

Dr. L.BULLAYYA COLLEGE OF ENGINEERING
New Resapuvanipalem, Visakhapatnam-530013

Department of Computer Science Engineering



Bonafide Certificate

This is to certify that Ms. A. Yamuna, Ms. Ch. Sneha Sai, Ms. D. Vysishtya, Ms. G. Varsha Bhanu bearing register numbers 320136410007, 320136410027, 320136410031, 320136410129 students of Final year B.Tech in Computer Science Engineering, have carried out the project work titled “LSTM For Stock Market Prediction” at Dr. L. Bullayya College of Engineering, Visakhapatnam during the academic year 2023-2024.

Project Supervisor

Prof. D. Raja kishor

Dr. L. Bullayya college of Engineering



Head of the Department

Prof. D. Madhavi

Dept. of Computer Science Engineering

Dr. L. BULLAYYA COLLEGE OF ENGINEERING

New Resapuvanipalem, Visakhapatnam

DEPARTMENT OF COMPUTER SCIENCE ENGINEERING



Bonafide Certificate

This is to certify Ms.B.S.N.P.Noditha Ms. G. Vijaya Varshitha, Ms. K. Bhagya, Mr. K. Dillep , Mr.G.Anantha Sai bearing register numbers 320136410008, 320136410038, 320136410056, 320136410054, 320136410132 students of Final year B. Tech in Computer Science Engineering, has carried out the project work titled “PET HEALTH MONITORING “ at Dr. L. Bullayya College Of Engineering, Visakhapatnam during the academic year 2023-24.


Project Supervisor

Dr.D.Madhavi

Professor

Dept. of Computer Science Engineering

Dr. L. Bullayya College of Engineering




Head of the Department

Dr. D. Madhavi

Professor

Dept. of Computer Science Engineering

Dr. L. Bullayya College of Engineering

Dr. L. BULLAYYA COLLEGE OF ENGINEERING

New Resapuvanipalem, Visakhapatnam-530013

Department of Computer Science Engineering



Bonafide Certificate

This is to certify that **A .Vyshnavi venkata vineetha , J. Sai venkata sridevi , B. Janshi rani, G. Gowthami, K. Sree surya** bearing register numbers **320136410006,320136410044, 320136410011, 320136410130, 320136410057** students of Final year B. Tech in Computer Science Engineering , has carried out the project work titled **“CREDIT CARD SECURITY MECHANISM”** at Dr. L. Bullayya College of Engineering ,Visakhapatnam during the academic year **2023-24**.

G. Kavya

Project Supervisor
Mrs.G.Kavya (Ph.D.)
Assistant Professor
Dr. L. Bullayya college of Engineering



Dr. D. Madhavi

Head of the Department
Dr. D.Madhavi
Professor
Dept. of Computer Science Engineering

DR. LANKAPALLI BULLAYYA COLLEGE OF ENGINEERING


New Resapuvanipalem, Visakhapatnam-13




BONAFIDE CERTIFICATE

This is to certify that **Ms. Ch Sri Sritha, Ms. G Lakshmi Manasa, Mr. K Bharat Kumar, Mr. D Hemanth Kumar Chowdari** of register numbers **320136410021, 320136410037, 320136410058, 320136410033** students of Fourth year B.Tech in Computer Science Engineering, has carried out the project work titled **"Sign Language Translation Using Gestures"** at Dr. Lankapalli Bullayya College of Engineering, Visakhapatnam during the academic year 2023-2024.




Project Supervisor
Mrs. G Sandhya
Assistant Professor
Dept. of CSE


Head of the Department
Dr. D. Madhavi
Professor
Dept. of CSE

Dr . L. BULLAYYA COLLEGE OF ENGINEERING
New Resapurvanipalem, Visakhapatnam-530013

Department of Computer Science Engineering



Bonafide Certificate

This is to certify that, Ms J. Anitha, Ms B. Lakshmi Manasa , Ms A. Bhargavi, Ms B. Ambica Sony, bearing register numbers 320136410043, 320136410019, 320136410126, 320136410009 students of Final year B. Tech in Computer Science Engineering, has carried out the Project work titled **"SIGNATURE DETECTION USING MACHINE LEARNING"** at Dr. Lankapalli Bullayya College of Engineering, Visakhapatnam during the academic year 2023-24.



Project Supervisor

Mrs T. Aruna

Assistant Professor

Dept. of Computer Science Engineering

Head of the Department

Dr D. Madhavi

Professor

Dept. of Computer Science Engineering

Dr. L. BULLAYYA COLLEGE OF ENGINEERING

New Resapuvaniapalem, Visakhapatnam-530013

Department of Computer Science Engineering



Bonafide Certificate

This is to certify that **Ms. Tadi. Sravani, Mr. Mattam. Vishnu Charan, Ms. Rongall. Aswini, Ms. Tripurana. Juhi Sravanya** bearing register numbers **320136410104, 320136410066, 320136410091, 320136410108** students of final year B. Tech in Computer Science Engineering, has carried out the project work titled **"GUARDIANS OF GAMERS: FORTIFYING DATA SECURITY WITH BLOCKCHAIN"** at Dr L. Bullayya college of Engineering, Visakhapatnam during the academic year **2023-2024**.


Project Supervisor

Dr.D.Madhavi
Professor
Dept. of Computer Science Engineering




Head of the Department

Dr.D.Madhavi
Professor
Dept. of Computer Science Engineering


Dr. L. BULLAYYA COLLEGE OF ENGINEERING
New Resapuvanipalem, Visakhapatnam-530013

Department of Computer Science Engineering




Bonafide Certificate

This is to certify that Mr. Pithani JayanthKumar, Mr. Peethala Kranthi Kumar, Mr. Ravipati Kalyan Chakravarthy, Ms. Veluvali Santhi Shiphrah bearing register numbers 320136410085, 320136410083, 320136410090, 320136410115 students of final year B. Tech in Computer Science Engineering, has carried out the Project work title “**Intrusion Detection System Using Machine Learning Algorithms In IoT Dataset**” at Dr. Lankapalli bullayya College of Engineering, Visakhapatnam Under the esteemed guidance of **Ms. P. Rajya Lakshmi** during the academic year 2023-24.


Project Supervisor
Ms. P. RajyaLakshmi
Asst. Professor
Dept. of Computer Science Engineering




Head of the Department
Dr.D.Madhavi
Professor
Dept. of Computer ScienceEngineering

Dr. LANKAPALLI BULLAYYA COLLEGE OF ENGINEERING

New Resapuvanipalem, Visakhapatnam-530013

DEPARTMENT OF COMPUTER SCIENCE ENGINEERING



BONAFIDE CERTIFICATE

This is to certify that Mr.Sravan Kumar ,Ms.Sreeya Sree , Ms.Jahanavi,Ms. Pravalika,Bearing register number 320136410120,320136410095, 320136410093, 320136410075, students of 4th year B.Tech in Computer Science Engineering, have carried out the project work titled **SENTIMENTAL ANALYSIS ON INSTAGRAM-CLONE DATASET USING MACHINE LEARNING TECHNIQUES** at Dr. Lankapalli Bullayya College of Engineering, Visakhapatnam during the academic year 2023 -24



PROJECT GUIDE

Dr. K. ANURADHA

Assistant Professor

Department of Computer Science Engineering





HEAD OF THE DEPARTMENT

Dr. D. MADHAVI

Professor

Department of Computer Science Engineering

**Dr. LANKAPALLI BULLAYA COLLEGE OF
ENGINEERING**

Department of Computer Science Engineering



Bonafide Certificate

This is to certify that **Mr. Gulivindala Akhil , Ms. Akula Sai Ratna Harshini , Ms. Karri Keerthi and Ms. Pilla Jyothi** bearing registration numbers **320136410039, 320136410002, 320136410055 and 320136410046** students of Fourth year B. Tech in Computer Science Engineering, has carried out the project work titled **“Disease Prediction system using Machine Learning”** at Dr. Lankapalli Bullayya College of Engineering, Visakhapatnam, during the academic year 2023-24.



Project Guide

Dr.K.Anuradha

Assistant Professor

Dept.of Computer Science Engineering




Head of Department

Dr.D.Madhavi

Professor

Dept.of Computer Science Engineering

Dr LANKAPALLI BULLAYYA COLLEGE OF ENGINEERING

New Resapuvanipalem, Visakhapatnam-530013

Department of Computer Science Engineering



Bonafide Certificate

This is to certify that Ms YENUGUTALA BHUVANESWARI, Ms VARANASI HARIPRIYA, Mr VEERAMREDDY NAVEEN REDDY and Mr VAIDADA JAYADEEP bearing registration numbers 320136410125, 320136410113, 320136410114 and 320136410111 students of fourth year B.Tech in Computer Science Engineering, has carried out the project work titled "Health Insurance Cost Prediction using Machine Learning" at Dr Lankapalli Bullayya College of Engineering, Visakhapatnam, during the academic year 2023-24.

Project Supervisor

K.N.S. Chitra
Mrs K N S Chitra

Assistant Professor

Dept. of Computer Science Engineering

Madhavi
Head of The Department

Dr D. Madhavi

Professor

Dept. of Computer Science Engineering



Dr. L. BULLAYYA COLLEGE OF ENGINEERING

New Resapuvanipalem, Visakhapatnam-530013

Department of Computer Science Engineering



Bonafide Certificate

This is to certify that Ms. K. Dharani, Ms. A. Anusha, Ms. M. Padmavathi, Ms. G. Satwika bearing register numbers 320136410050, 320136410004, 320136410062, 320136410040 students of Final year B.Tech in Computer Science Engineering, have carried out the project work titled "HEALTH CARE CHATBOT" at Dr. L. Bullayya College of Engineering, Visakhapatnam during the academic year 2023-2024.

namratha
Project Supervisor

Ms N. A. F. Namratha

Assistant Professor

Dr. L. Bullayya college of Engineering



Madhavi
Head of the Department

Dr. D. Madhavi

Professor

Dept. of Computer Science

DR.LANKAPALLI BULLAYYA COLLEGE ENGINEERING

New Resapuvanipalem, Visakhapatnam-530013

Department of Computer Science Engineering



Bonafide certificate

This is to certify that Mr Y.Vamsi Mani Prasad, Mr P.Sasi Kumar, Mr MD.Shamshul Arifeen, Ms Suggu Sharon bearing register numbers 320136410121, 320136410080, 320136410134, 320136410139 students of 4th year B.Tech in Computer Science Engineering, has carried out the project work titled "AI Desktop Assistant" at Dr. L.Bullayya College of Engineering Visakhapatnam during the academic year 2023-24.

Project Supervisor

Ms. V.Sarada

Assistant Professor

Dept.of Computer Science Engineering



Head of the Department

Dr. D. Madhavi

Professor

Dept.of Computer Science Engineering

Dr. L. BULLAYYA COLLEGE OF ENGINEERING

New Resapuvanipalem, Visakhapatnam-530013

Department of Computer Science Engineering



Bonafide certificate

This is to certify that Mr **Y.Saikiran**, Miss **P.Hemasri**, Miss **V.Ujjwala**, Miss **K.Saiesha** bearing register numbers **320136410122**, **320136410084**, **320136410117**, **320136410133** students of final year B.Tech in Computer Science Engineering, has carried out the Project work titled "SMART ASSISTANT" at Dr.Lankapalli Bullayya College Of Engineering, Visakhapatnam during the academic year **2023-24**.




Project Supervisor

Mr. B.Santos kumar [Ph.D]

Asst.Professor

Dept.Of CSE


Head of the Department

Dr.D.Madhavi

Professor

Dept.Of CSE

Dr.LANKAPALLI BULLAYYA COLLEGE OF ENGINEERING
New Resapuvanipalem, Visakhapatnam-530013

Department of Computer Science Engineering



Bonafide certificate

This is to certify that Miss Muddada Tejaswini Vidya Vaishnavi, Mr Telli Naveen, Mr Annepu Vamsi Ram and Mr Vennapusa Sisindri bearing register number 320136410070, 320136410105, 320136410112, 320136410116 students of Final year B. Tech in Computer Science Engineering, have carried out the project work titled “Content Based Movie Recommender System using Vectors” at Dr. Lankapalli Bullayya College of Engineering, Visakhapatnam during the academic year 2023-24.




Project Guide

Ms. T. Aruna

Dept. of Computer Science Engineering


Head of the Department

Prof. D. Madhavi

Dept. of Computer Science Engineering



Dr. LANKAPALLI BULLAYYA COLLEGE OF ENGINEERING

The Society For Collegiate Education

Affiliated to Andhra University, Approved by AICTE

52-14-75, Resapuvanipalem, Visakhapatnam - 530 013.

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Email : principal@lbce.edu.in Website : www.lbce.edu.in

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

1.3.2(2) Projects

List of Students

Academic Year:2023-2024

Class: IV/IV B.Tech II-Sem

S. No	Roll Number	Name of the Student	Project Title	Place	Duration (From-To)
1	320136412047	KARTHEEKA REDDIPALLI	Design of switching system in smart home	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
2	320136412021	DALLI KUNDHANA	Design of switching system in smart home	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
3	320136412022	D.I.S MONICA VARMA	Design of switching system in smart home	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
4	320136412043	K. CHETHANA VARALAKHSMI DEVI	Design of switching system in smart home	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
5	320136412045	KARRI PRAVALLIKA	Design of switching system in smart home	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
6	320136412052	MAMMULA MALAVIKA	Speckle noise reduction techniques of sar images using various filters	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
7	320136412015	BODHIREDDY DIVYA SAI	Speckle noise reduction techniques of sar images using various filters	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
8	320136412011	BAMMIDI JAHNAVI	Speckle noise reduction techniques of sar images using various filters	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
9	320136412036	GURUBILLI SASI VARDHAN	Speckle noise reduction techniques of sar images using various filters	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
10	320136412050	LASANGI VARUN	Speckle noise reduction techniques of sar images using various filters	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
11	320136412035	GUNDROTHU MOUNIKA	Lane detection prototype	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
12	320136412049	KOTTURTY PRUDHVI	Lane detection prototype	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
13	320136412006	ANDLURI HARIKA PRIYA	Lane detection prototype	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
14	320136412023	DEKKATI KIRAN KUMAR	Lane detection prototype	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
15	320136412051	M. JAI CHANDRA	Lane detection prototype	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
16	320136412019	CHITTI BHASKARA NAIDU	Voice communication system of dumb sign language	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
17	320136412042	KAMIREDDY MADHURI	Voice communication system of dumb sign	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024



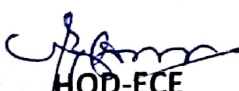
			language		
18	320136412007	ARUGULA LIKHIT SHANKAR	Voice communication system of dumb sign language	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
19	320136412020	D. ROHITH BALARAM SAI VENKAT	Voice communication system of dumb sign language	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
20	320136412024	DIVVALA AJAY	Footstep power generation using piezoelectric sensors and distribution using RFID	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
21	320136412048	KEDARISSETTY BHAVYASREE	Footstep power generation using piezoelectric sensors and distribution using RFID	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
22	320136412028	GANGULA VENKATA JAYANTHI	Footstep power generation using piezoelectric sensors and distribution using RFID	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
23	320136412001	A.S.S.A DATHAKUMAR	Footstep power generation using piezoelectric sensors and distribution using RFID	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
24	320136412031	GOPISETTI MOHAN SAI	GSM based prepaid energy meter using Arduino with automatic billing and power theft alarm system	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
25	320136412032	GORLE AKHILA	GSM based prepaid energy meter using Arduino with automatic billing and power theft alarm system	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
26	320136412005	ALTHI RAVI KUMAR	GSM based prepaid energy meter using Arduino with automatic billing and power theft alarm system	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
27	320136412013	BATTULA SYAM KUMAR	GSM based prepaid energy meter using Arduino with automatic billing and power theft alarm system	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
28	320136412002	ADHIKARI SUPRAJA	Medicine reminder and management kit	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
29	320136412004	AKULA SAI LAKSHMI HARIKA	Medicine reminder and management kit	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
30	320136412026	ELURI SHYAM SANDEEP	Medicine reminder and management kit	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
31	320136412003	ADIMULAM RAM NARAYANA	Medicine reminder and management kit	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
32	320136412025	DUPPADA LAKSHMAN RAO	Implementation of electronic wheel chair	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024


33	320136412033	GOTTAPU NEELIMA	Implementation of electronic wheel chair	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
34	320136412016	CHAPPA PAVITHRA	Implementation of electronic wheel chair	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
35	320136412009	ASHRITHA BONTHAPALLI	Implementation of electronic wheel chair	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
36	320136412041	KALLA ATCHYUTH	RFID based attendance system using camera head count	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
37	320136412046	KARRI SRUJANA	RFID based attendance system using camera head count	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
38	320136412038	IJJADA TEJA	RFID based attendance system using camera head count	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
39	320136412040	KAGITHA VENKATA SRI RAM	RFID based attendance system using camera head count	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
40	320136412008	ASAPU SRIHARSHA	The intelligent bus fare pay system using RFID and accident information through GPS and GSM	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
41	320136412030	GONNABATULA LIKHITA	The intelligent bus fare pay system using RFID and accident information through GPS and GSM	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
42	320136412012	BAMMIDI LAKSHMI ANUSHA	The intelligent bus fare pay system using RFID and accident information through GPS and GSM	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
43	320136412017	CHILLA CHANDRA SRI	The intelligent bus fare pay system using RFID and accident information through GPS and GSM	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
44	320136412044	KANUMURI NAVYA	Smart manhole safety and monitoring using IOT	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
45	320136412039	JUTTU MANJULATHA	Smart manhole safety and monitoring using IOT	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
46	320136412029	GOLUSUPUDI GAYATRI	Smart manhole safety and monitoring using IOT	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
47	320136412010	BALABADRA RAVI TEJA	Smart manhole safety and monitoring using IOT	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
48	320136412034	GUDIVADA ARAVIND	Design and implementation different multiplexer, full adder and full subtractor in reversible logic using QCA approach	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024

49	320136412027	GANIVADA PALLAVI	Design and implementation different multiplexer, full adder and full subtractor in reversible logic using QCA approach	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
50	320136412014	BHANDARI JATIN	Design and implementation different multiplexer, full adder and full subtractor in reversible logic using QCA approach	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
51	320136412037	IJJADA SRAVANA SANDHYA	Design and implementation different multiplexer, full adder and full subtractor in reversible logic using QCA approach	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
52	320136412063	PALAKONDA PRAGYNA	Smart voting system	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
53	320136412098	DATTI HANISHA	Smart voting system	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
54	320136412090	VINNAKOTA SUSHMITHA	Smart voting system	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
55	320136412102	GOMPA LAVANYA	Smart voting system	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
56	320136412104	KORATANA DAMODARA RAO	Smart voting system	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
57	320136412106	LAGUDU SRAVANI	Arduino based war military robot	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
58	320136412096	B NIRANJAN SHAKTHIK	Arduino based war military robot	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
59	320136412065	PIKKI JYOTHI	Arduino based war military robot	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
60	320136412101	GANDI LAVANYA	Arduino based war military robot	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
61	320136412108	ONUMU SANTOSH	Arduino based war military robot	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
62	320136412088	VARADHI VIGNYA SRAVANI	River cleaning water boat	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
63	320136412093	VUMMADISETTI YASHASWINI	River cleaning water boat	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
64	320136412089	V V KANAKA DURGA CHITTI B	River cleaning water boat	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
65	320136412100	GABU NAGA SAI REDDY	River cleaning water boat	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
66	320136412105	KADIRI YAKSHITHA	Smart Vacuum cleaner and mopping robot using wi-fi module	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
67	320136412076	SONALI PRADHAN	Smart Vacuum cleaner and mopping robot using wi-fi module	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
68	320136412082	TEELLA MOUNIKA	Smart Vacuum cleaner and mopping robot	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024

			using wi-fi module		
69	320136412094	AGRAPU SIRI CHANDANA	Smart Vacuum cleaner and mopping robot using wi-fi module	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
70	320136412056	M V SATYA SAI PHANI KUMAR	Compact printed MIMO antenna for UWB applications	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
71	320136412077	SRUTHI SINGH	Compact printed MIMO antenna for UWB applications	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
72	320136412057	MUVVALA CHARISHMA	Compact printed MIMO antenna for UWB applications	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
73	320136412092	VUJIRI ROHITH	Compact printed MIMO antenna for UWB applications	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
74	320136412058	N S V S R PAWANA KRISHNA	Object following robot using Arduino	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
75	320136412114	VECHALAPU SWATHI	Object following robot using Arduino	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
76	320136412111	REDDI AKSHAY KUMAR	Object following robot using Arduino	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
77	320136412066	PILLA SATISH KUMAR	Object following robot using Arduino	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
78	320136412059	NAMMI JAHNAVI	Multifunctional agricultural robot	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
79	320136412085	TULUGU ANITHA	Multifunctional agricultural robot	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
80	320136412083	THEEGELA SAI KARTHIK	Multifunctional agricultural robot	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
81	320136412055	MUNIKOTI MANIKANTA	Multifunctional agricultural robot	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
82	320136412064	PATNANA SAI KIRAN	IOT based dual axis solar tracking system using mobile app	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
83	320136412087	TUTTA BINDU PRIYA	IOT based dual axis solar tracking system using mobile app	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
84	320136412054	MEDISETTI JYOSINA	IOT based dual axis solar tracking system using mobile app	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
85	320136412107	MANGALA HEMA SUNANDA	IOT based dual axis solar tracking system using mobile app	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
86	320136412070	SADI SREYA	Smart bridge automatic height increasing during floods	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
87	320136412072	SALAPU JYOTHIKA	Smart bridge automatic height increasing during floods	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
88	320136412080	SYED HAMZA MUHAYMIN	Smart bridge automatic height increasing during floods	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
89	320136412061	NAVAGANA ROHINI	Smart bridge automatic height increasing during floods	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024

90	320136412109	PATNANA SAI NIHARIKA	Health monitoring using internet of things	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
91	320136412078	SUNKARA ANUSHA	Health monitoring using internet of things	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
92	320136412060	NARUNU VAMSI	Health monitoring using internet of things	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
93	320136412081	T KRISHNA PRADEEP KUMAR	Health monitoring using internet of things	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
94	320136412115	SHAIK JAHEDA	Vehicle pollution detection and SMS alert	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
95	320136412086	TUMMAPALA HARISH KUMAR	Vehicle pollution detection and SMS alert	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
96	320136412112	T KRISHNARJUNA SURYA	Vehicle pollution detection and SMS alert	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
97	320136412075	SISTLA HEMA LAHARI	Vehicle pollution detection and SMS alert	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
98	320136412067	POTTA LAHARI	Gesture controlled virtual mouse for hand free painting using artificial intelligence	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
99	320136412068	RAYIDI HARSHITHA	Gesture controlled virtual mouse for hand free painting using artificial intelligence	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
100	320136412099	DURGA LALITH SAI	Gesture controlled virtual mouse for hand free painting using artificial intelligence	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
101	320136412091	VOONA LAHARI	Gesture controlled virtual mouse for hand free painting using artificial intelligence	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
102	320136412110	POTNURU JYOTSNA	Implementation of smart helmet using IOT	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
103	320136412079	SURI SETTI JAYA RAJU	Implementation of smart helmet using IOT	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
104	320136412095	BEHARA TARUN	Implementation of smart helmet using IOT	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
105	320136412053	MARADANA ANUSHA	Implementation of smart helmet using IOT	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
106	320136412103	JINAGA SWETHA	Smart car parking website using IOT	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
107	320136412073	S BALA TRIPURA SUNDARI	Smart car parking website using IOT	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
108	320136412113	TEMBA HARSHINI	Smart car parking website using IOT	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
109	320136412071	SAI ADITYA TANNIRU	Flight dynamics of a quadcopter	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024


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VISAKHAPATNAM-530013

(2020-2024)




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This is to certify that the dissertation work entitled "**Design of switching system in smart home**" is bonafide work done by **R. Kartheeka, D. Kundhana, D. Indhira Satya Monica Varma, K. Chethana Varalakshmi devi, K. Pravallika** of 2020-2024 batch with Regd.NO: 320136412047, 320136412021, 320136412022, 320136412043, 320136412045 under our supervision in partial fulfillment for the award of the **Degree of Bachelor of Engineering in Electronics and Communication Engineering**, **Dr. Lankapalli Bullayya College of Engineering, Visakhapatnam.**


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This is to certify that the project report entitled **"SPECKLE NOISE REDUCTION TECHNIQUES OF SAR IAMGES USING VARIOUS FILTERS"** being submitted by **M. Malavika (320136412052), B. Divya Sai (320136412015), B. Jahnavi (320136412011), G. Sasi Vardhan (320136412036), L. Varun (320136412050)**, in partial fulfilment for the award of Degree of Bachelor of Technology in **Electronics and Communication Engineering** is a record of bonafide work carried out by them under my guidance and supervision.

The results embodied in this project have not been submitted to any other university or institute for the award of any Degree.

Head of the Department

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Dr. K.V. RAMANA RAO, M. Tech, Ph.D.

Associate Professor

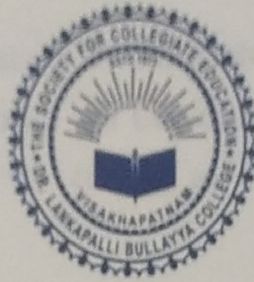
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(2020-2024)



DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

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The is to certify that the project report entitled "LANE DETECTION PROTOTYPE" being submitted by **G. MOUNIKA (320136412035), K. PRUDHVI (320136412049), A. HARIKA PRIYA (320136412006), D. KIRAN KUMAR (320136412023) and M. JAI CHANDRA (320136412051)** of **2020-2024** batch in partial fulfilment for the award of the degree of Bachelor of Technology in **ELECTRONICS & COMMUNICATION ENGINEERING** is a record of bonafied work carried out by them under my guidance and supervision. The results embodied in this project have not been submitted to any other University of Institute for the award of any degree.

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This is to certify that the project entitled "**Voice Communication System of Dumb Sign Language**" is a Bonafide work done by **CH.BHASKARA NAIDU, K.MADHURI, A.LIKHIT SHANKAR, D.ROHITH BALARAM SAI VENKAT**, of 2020-2024 batch with Registration Numbers **320136412019, 320136412042, 320136412007, 320136412020**, under our supervision in partial fulfilment for the award the Degree of **Bachelor of Technology in Electronics and Communication Engineering**, Dr.Lankapalli Bullayya College of Engineering, Visakhapatnam.

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This is to certify that the project entitled **"FOOTSTEP POWER GENERATION USING PIEZOELECTRIC SENSORS AND DISTRIBUTION USING RFID"** is a bonafide work done by **D. AJAY, K. BHAVYASREE, G. VENKATA JAYANTHI, A.V.V.S. DATHA KUMAR** of 2020-2024 batch with Registration Numbers: 320136412024, 320136412048, 320136412028, 320136412001 under our supervision in partial fulfillment for the award of the Degree of **Bachelor of Technology in Electronics and Communication Engineering**, Dr. Lankapalli Bullayya College of Engineering, Visakhapatnam.

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This is to certify that the project entitled “GSM BASED PREPAID ENERGY METER USING ARDUINO WITH AUTOMATIC BILLING AND POWER THEFT ALARM SYSTEM” is a bonafide work done by **G. MOHAN SAI, G. AKHILA, A. RAVI KUMAR, B. SYAM KUMAR** of 2020-2024 batch with Registration Numbers: 320136412031, 320136412032, 320136412005, 320136412013 under our supervision in partial fulfillment for the award of the Degree of **Bachelor of Technology in Electronics and Communication Engineering**, Dr. Lankapalli Bullayya College of Engineering, Visakhapatnam.

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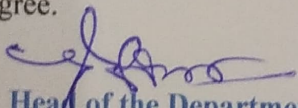
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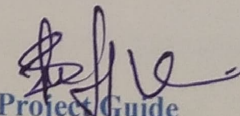
This is to certify that the dissertation work entitled **"Medicine Reminder and Management Kit"** is bonafide work done by **A. Supraja, A. Sai Lakshmi Harika, E. Shyam Sandeep, A. Ram Narayana** of 2020-2024 batch with Regd.NO: **320136412002, 320136412004, 320136412026, 320136412003** under our supervision in partial fulfillment for the award of the **Degree of Bachelor of Technology in Electronics and Communication Engineering, Dr. Lankapalli Bullayya College of Engineering, Visakhapatnam**. The results embodied in this project have not been submitted to any other university or institute for the award of any Degree.


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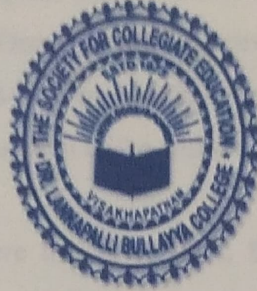
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This is to certify that the project entitled **IMPLEMENTATION OF ELECTRONIC WHEELCHAIR** is a Bonafide work done by , **D.LAKSHMANA RAO, G.NEELIMA, CH.PAVITHRA, B.ASHRITHA**, of 2020-2024 batch with Registration Numbers **320136412025, 320136412033, 320136412016, 320136412009**, under our supervision in partial fulfilment for the award the Degree of **Bachelor of Technology in Electronics and Communication Engineering**, Dr.Lankapalli Bullayya College of Engineering, Visakhapatnam.

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The is to certify that the project report entitled “**RFID BASED ATTENDANCE SYSTEM USING CAMERA HEAD COUNT**” being submitted by **K. ATCHYUTH, K.SRUJANA I.TEJA,** and **K.V.SRIRAM** of **2020-2024** batch bearing Registration Number : **320136412041, 320136412046, 320136412038** and **320136412040** in partial fulfilment for the award of the degree of Bachelor of Engineering in Electronics and Communication Engineering is a record of bona fide work carried out by them under my guidance and supervision. The results embodied in this project have not been submitted to any other University of Institute for the award of any degree.

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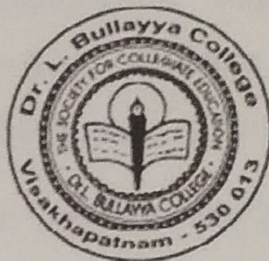
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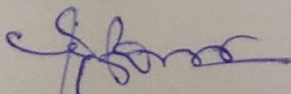
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This is to certify that the project work entitled **"THE INTELLIGENT BUS FARE PAY SYSTEM USING RFID AND ACCIDENT INFORMATION THROUGH GPS & GSM"** is being submitted by **A.SRI HARSHA, G.LIKHITA, B.LAKSHMI ANUSHA, CH.CHANDRA SRI**, of 2020-2024 batch with Registration Numbers: **320136412008, 320136412030, 320136412012, 320136412017 BACHELOR OF ENGINEERING IN ELECTRONICS AND COMMUNICATION ENGINEERING**. This is bonafide work carried out by them under our guidance and supervision. The results embodied in this project have not been submitted to any other university or institute for the award of any degree.

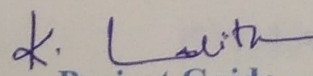


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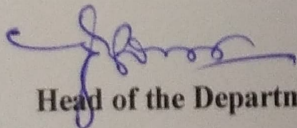


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The is to certify that the project report entitled "SMART MANHOLE SAFETY AND MONITORING USING IOT" being submitted by **K. NAVYA, J. MANJULATHA, G.GAYTRI** and **B. RAVI TEJA** of **2020-2024** batch bearing Registration Number : **320136412044, 320136412039, 320136412029** and **320136412010** in partial fulfilment for the award of the degree of Bachelor of Engineering in Electronics and Communication Engineering is a record of bonafide work carried out by them under my guidance and supervision. The results embodied in this project have not been submitted to any other University of Institute for the award of any degree.

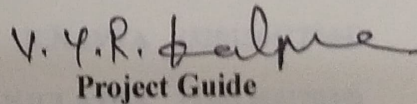


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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

CERTIFICATE

This is to certify that the project work entitled "**DESIGN AND IMPLEMENTATION DIFFERENT MULTIPLEXER, FULL ADDER AND FULL SUBTRACTOR IN REVERSIBLE LOGIC USING QCA APPROACH**" is being submitted by G. ARAVIND, G. PALLAVI, B. JATIN, L. SRAVANA SANDHYA of 2020-2024 batch with Registered Numbers: 320136412034, 320136412027, 320136412014, 320136412037 in partial fulfillment for the award of the degree of **BACHELOR OF TECHNOLOGY IN ELECTRONICS AND COMMUNICATION ENGINEERING** is a record of bonafide work carried out by them under our guidance and supervision. The results embodied in this project have not been submitted to any other university or institute for the award of any degree.

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VISAKHAPATNAM - 530 013

(2020-2024)

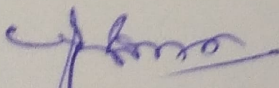


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ELECTRONICS AND COMMUNICATION ENGINEERING

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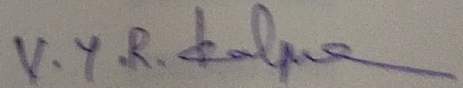
This is to certify that the project report entitled "SMART VOTING SYSTEM" being submitted by **P. PRAGYNA, V. SUSHMITHA, D. HANISHA, G. LAVANYA** and **K. DAMODARA RAO** of 2020-2024 batch bearing Registration numbers: **320136412063, 320136412090, 320136412098, 320136412102** and **320136412104** in partial fulfilment for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering is a record of Bonafide work carried out by them under my guidance and supervision. The results embodied in this project have not been submitted to any other University or Institute for the award of any degree.


Head of the Department

Dr. SOLOMON J.V. GOTHAM

Professor

Dept. of E.C.E


Project Guide

Mrs. V.Y.R. KALPANA

Assistant Professor

Dept. of E.C.E

DR. LANKAPALLI BULLAYYA COLLEGE OF ENGINEERING

(Affiliated to Andhra University)

VISAKHAPATNAM-530013



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

CERTIFICATE

This is to certify that the project work entitled "**ARDUINO BASED WAR MILITARY ROBOT**" is being submitted by **L. SRAVANI, P. JYOTHI, B. NIRANJAN SHAKTHIK, G. LAVANYA, O. SANTOSH** of 2020-2024 batch with Registered Numbers: **320136412106, 320136412065, 320136412096, 320136412101, 320136412108** **BACHELOR OF TECHNOLOGY IN ECE**. This is bonafide work carried out by them under our guidance and supervision. The results embodied in this project have not been submitted to any other university or institute for the award of any degree.

HEAD OF THE DEPARTMENT

Dr. SOLOMON J.V. GOTHAM

**Professor
Dept. of ECE**

PROJECT GUIDE

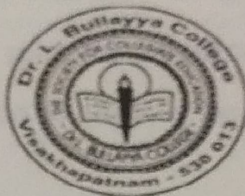
Mrs. K. LALITHA

**Assistant Professor
Dept. of ECE**

Dr. LANKAPALLI BULLAYYA COLLEGE OF ENGINEERING

(Affiliated to Andhra University)

VISAKHAPATNAM-530013



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

CERTIFICATE

This is to certify that the project work entitled **"RIVER CLEANING WATER BOAT"** is being submitted by **V. VIGNYA SRAVANI, V. CHITTI BABU, V. YASHASWINI, G. NAGA SAI REDDY** of 2020-2024 batch with Registered Numbers: **320136412088, 320136412089, 320136412093, 320136412100**, **BACHELOR OF ENGINEERING IN ECE**. This is bonafide work carried out by them under our guidance and supervision. The results embodied in this project have not been submitted to any other university or institute for the award of any degree.

HEAD OF THE DEPARTMENT

Dr. SOLOMON J V GOTHAM

Professor

Department of ECE

PROJECT GUIDE

Mrs. K.V JAYA LAKSHMI

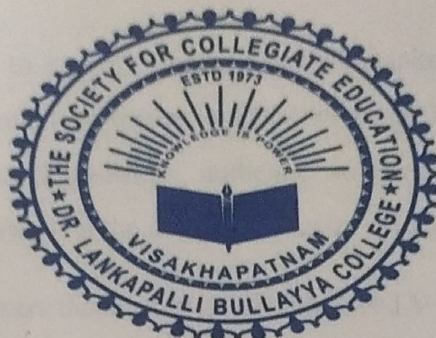
Asst. Professor

Department of ECE

DR. LANKAPALLI BULLAYYA COLLEGE OF ENGINEERING

(Affiliated to Andhra University)

VISAKHAPATNAM -530013



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

CERTIFICATE

This is to certify that the project entitled **“SMART VACUUM CLEANER AND MOPPING ROBOT USING Wi-Fi MODULE”** is bonafide work done by **K. YAKSHITHA, SONALI PRADHAN, T. MOUNIKA, A. SIRICHANDHANA** of 2020-2024 batch with Registration Numbers: **(320136412105, 320136412076, 320136412082, 320136412094)** under our supervision in partial fulfilment for the award of the Degree of Bachelor of Technology in Electronics and Communication Engineering, Dr. Lankapalli Bullayya College of Engineering, Visakhapatnam.

HEAD OF THE DEPARTMENT

Dr. SOLOMON J V GOTHAM

Professor

Department of ECE

PROJECT GUIDE

Mr. P. SAHITYA KIRAN

Assistant Professor

Department of ECE

(2020-2024)

DR. LANKAPALLI BULLAYYA COLLEGE OF ENGINEERING

(Affiliated to Andhra University)

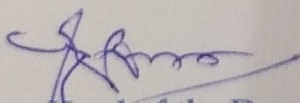
VISAKHAPATNAM-530013



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

CERTIFICATE

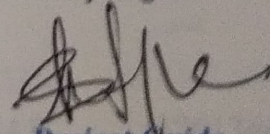
This is to certify that the project work entitled **"COMPACT PRINTED MIMO ANTENNA FOR UWB APPLICATIONS"** is being submitted by **M. PHANI KUMAR , M.CHARISHMA ,SRUTHI SINGH , V.ROHITH** of 2020-2024 batch with Registered Numbers: **320136412056, 320136412057, 320136412077, 320136412092** **BACHELOR OF TECHNOLOGY IN Electronics and Communication Engineering**. This is bonafide work carried out by them under our guidance and supervision. The results embodied in this project have not been submitted to any other university or institute for the award of any degree.


Head of the Department

Dr. SOLOMON J.V GOTHAM

Professor

Department of E.C.E

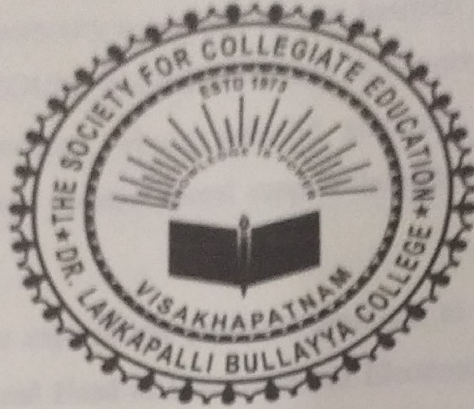

Project Guide

Mrs.SHARON FRAGRANCE,M.Tech

Assistant Professor

Department of E.C.E

DR. LANKAPALLI BULLAYYA COLLEGE OF ENGINEERING
(Affiliated to Andhra University)
VISAKHAPATNAM -530013



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

CERTIFICATE

This is to certify that the project entitled "SMART CAR PARKING WEBSITE USING IOT" is bonafide work done by J.SWETHA, T.HARSHINI, S.TRIPURA of 2020-2024 batch with Registration Numbers: (320136412103, 320136412113, 320136412073) under our supervision in partial fulfilment for the award of the Degree of Bachelor of Technology in Electronics and Communication Engineering, Dr. Lankapalli Bullayya College of Engineering, Visakhapatnam.

Head of the Department
Dr. SOLOMON J V GOTHAM

Professor
Dept of E.C.E

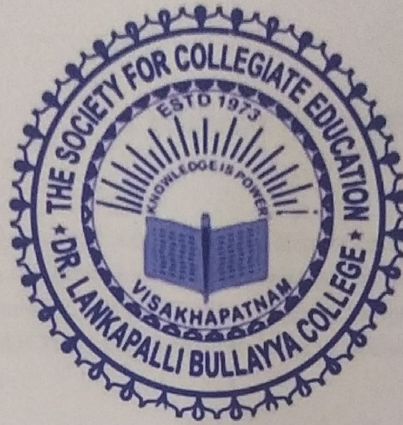
PROJECT GUIDE
Mrs RAZIA BEGUM, M. Tech

Assistant Professor
Dept of E.C.E

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ENGINEERING**

(Affiliated to Andhra University)

VISAKHAPATNAM-530013



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

CERTIFICATE

This is to certify that the project work entitled **“FLIGHT DYNAMICS OF A QUADCOPTER”** is being submitted by **SAI ADITYA TANNIRU** of 2020-2024 batch with Registered Number: **320136412071 BACHELOR OF TECHNOLOGY in Electronics and Communication Engineering**. This is bonafide work carried out by him under my guidance and supervision. The results embodied in this project have not been submitted to any other university or institute for the award of any degree.

HEAD OF THE DEPARTMENT

Dr. SOLOMON J.V. GOTHAM

Professor

Department of ECE

PROJECT GUIDE

Mrs. RAZIA BEGUM

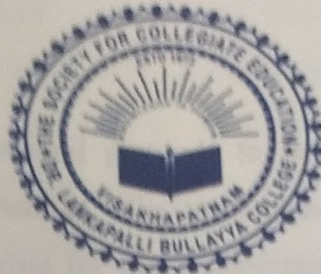
Assistant Professor

Department of ECE

DR. LANKAPALLI BULLAYYA COLLEGE OF
ENGINEERING

(Affiliated to Andhra University)

VISAKHAPATNAM-530013



CERTIFICATE

This is to certify that the project work entitled "**MULTIFUNCTIONAL AGRICULTURAL ROBOT**" is being submitted by , N. JAHNAVI, T.ANITHA, T.SAI KARTHIK, M.MANIKANTA of 2020-2024 batch with Registered Numbers: 320136412059, 320136412085, 320136412083, 320136412055, in partial fulfillment for the award of the Degree of **Bachelor of Technology** in **Electronics and Communication Engineering** is a record of bonafide work carried out by them under my guidance and supervision. The results embodied in this project have not been submitted to any other university or institute for the award of any degree.

Head of the Department

Dr. SOLOMON J.V GOTHAM

Professor

Dept. of E.C.E

Project Guide

Mr. R.SANTOSH SAI, M.Tech(Ph.D.)

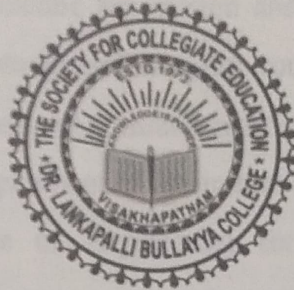
Assistant Professor

Dept. of E.C.E

Dr. L. BULLAYYA COLLEGE OF ENGINEERING

(Affiliated to Andhra University)

VISAKHAPATNAM -530013



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

CERTIFICATE

This is to certify that the project entitled "OBJECT FOLLOWING ROBOT USING ARDUINO" is a Bonafide work done by **N S V S R PAWANA KRISHNA, PILLA SATISH KUMAR, REDDI AKSHAY KUMAR, VECHALAPU SWATHI** of 2020-2024 batch with Registration Numbers: 320136412058, 320136412066, 320136412111, 320136412114 under our supervision in partial fulfillment for the award of the Degree of Bachelor of Technology in Electronics and Communication Engineering, Dr. Lankapalli Bullayya College of Engineering, Visakhapatnam.

Head of the Department

Dr. SOLOMON J.V GOTHAM

Professor

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Mrs. M. SRAVANI MTech(Ph.D)

Assistant Professor

Dept. of E.C.E

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(Affiliated to Andhra University)

VISAKHAPATNAM-530016

(2020-2024)



**DEPARTMENT OF
ELECTRONICS AND COMMUNICATION ENGINEERING**

CERTIFICATE

This is to certify that the project entitled **“IOT BASED DUAL AXIS SOLAR TRACKING SYSTEM USING MOBILE APP”** is Bonafide work done by **Mr. P.SAIKIRAN, Ms. M. JYOSHNA, Ms. T. BINDU PRIYA, Ms. M .SUNANDHA**, of **2020-2024** batch with Regd No's: **320136412064, 320136412054, 320136412087, 320136412107** under our supervision in partial fulfilment for the award of the Degree of **Bachelor of Technology in Electronics and Communication Engineering**, at Dr. Lankapalli Bullayya College of Engineering, Visakhapatnam.

Head of the Department

Dr. SOLOMON J V GOTHAM

Professor

Dept. of E.C.E

Project Guide

Mr. B. SANGEETH KUMAR

Assistant Professor

Dept. of E.C.E

DR LANKAPALLI BULLAYYA COLLEGE OF ENGINEERING

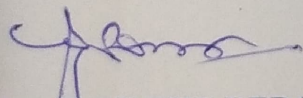
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VISAKHAPATNAM-530013



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING CERTIFICATE

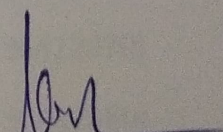
This is to certify that the project work entitled "**SMART BRIDGE AUTOMATIC HEIGHT INCREASING DURING FLOODS**" is being submitted by **S.SREYA, S.HAMZA MUHAYMIN, N.ROHINI, S. JYOTHIKA** of 2019-2023 batch with Registered Numbers: **320136412070, 320136412080, 320136412061, 320136412072** **Bachelor of Technology in Electronic and communication Engineering** This is bonafide work carried out by them under our guidance and supervision. The results embodied in this project have not been submitted to any other university or institute for the award of any degree.


HEAD OF THE DEPARTMENT

Dr. SOLOMON J.V. GOTHAM

Professor

Department of E.C.E


PROJECT GUIDE

Dr. K.V RAMANA RAO

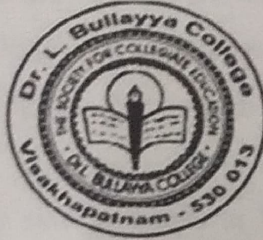
Assoc. Professor

Department of E.C.E

Dr. L. BULLAYYA COLLEGE OF ENGINEERING

(Affiliated to Andhra University)

VISAKHAPATNAM -530013



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

CERTIFICATE

This is to certify that the project entitled "**HEALTH MONITORING USING INTERNET OF THINGS**" is bonafide work done by P.SAI NIHARIKA, S. ANUSHA, T.K. PRADEEP KUMAR, N. VAMSI of 2020-2024 batch with Regd No's: 320136412109, 320136412078, 320136412081, 320136412060 under our supervision in partial fulfilment for the award of the Degree of Bachelor of Technology in Electronics and Communication Engineering, Dr. Lankapalli Bullayya College of Engineering, Visakhapatnam.

Head of the Department

Dr. SOLOMON J.V GOTHAM

Professor

Department of ECE

Project Guide

Mr. P. SAHITYA KIRAN

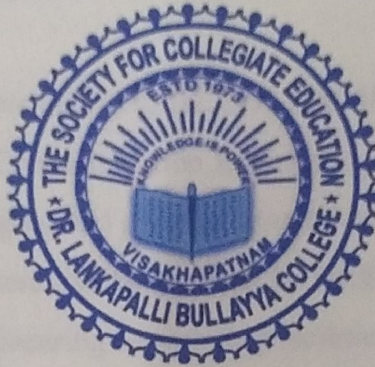
Assistant Professor

Department of ECE

Dr. L. BULLAYYA COLLEGE OF ENGINEERING

(Affiliated to Andhra University)

VISAKHAPATNAM -530013



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

CERTIFICATE

This is to certify that the project entitled “**VEHICLE POLLUTION DETECTION AND SMS ALERT**” is bonafide work done by **Sk. JAHEDA, S. HEMA LAHARI, T. HARISH, T. KRISHNARJUNA SURYA** of 2020-2024 batch with Regd No's: **320136412115, 320136412075, 320136412086, 320136412112** under our supervision in partial fulfilment for the award of the Degree of Bachelor of Technology in Electronics and Communication Engineering, Dr. Lankapalli Bullayya College of Engineering, Visakhapatnam.

Head of The Department

Dr. SOLOMON J. V GOTHAM

Professor

Department of E.C.E

Project Guide

Mrs. N. SAI LAKSHMI M.Tech,(P.hD)

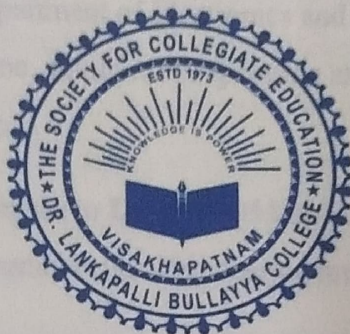
Assistant Professor

Department of E.C.E

DR. LANKAPALLI BULLAYYA COLLEGE OF ENGINEERING

(Affiliated to Andhra University)

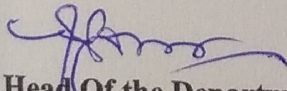
VISAKHAPATNAM -530013



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

CERTIFICATE

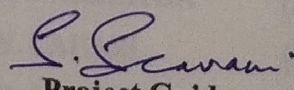
This is to certify that the project entitled **“GESTURE CONTROLLED VIRTUAL MOUSE FOR HAND FREE PAINTING USING ARTIFICIAL INTELLIGENCE”** is bonafide work done by **Ms. P. LAHARI, Ms. R. HARSHITHA, MS. V. LAHARI, Ms. D. LALITH SAI** of 2020-2024 batch with Registration Numbers: **(320136412067, 320136412068, 320136412092, 320136412099)** under our supervision in partial fulfilment for the award of the Degree of Bachelor of Technology in Electronics and Communication Engineering, Dr. Lankapalli Bullayya College of Engineering, Visakhapatnam.


Head Of the Department

Dr. SOLOMON J. V GOTHAM

Professor

Department of ECE


Project Guide

Ms. S. SRAVANI, M.Tech

Assistant Professor

Department of ECE

Dr. L. BULLAYYA COLLEGE OF ENGINEERING

(Affiliated to Andhra University)

Visakhapatnam - 530013



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Certificate

This is to certify that is bonafide work done by **P.JYOTSNA, S.JAYARAJU, B.TARUN, M.ANUSHA** of 2020-2024, bearing Registered numbers **(320136412110, 320136412079, 320136412095, 320136412053)** students of Fourth year B. Tech in Electronics and Communication Engineering, has carried out the project work title **"IMPLEMENTATION OF SMART HELMET USING IOT"** at Dr. Lankapalli Bullayya College of Engineering, Visakhapatnam during the academic year **2023-2024**.

Head of the Department

DR. SOLOMON J.V. GOTHAM

Professor

Department Of ECE

Project Guide

Ms. M. SHILPA RAJ M.Tech

Assistant Professor

Department Of ECE



Dr. LANKAPALLI BULLAYYA COLLEGE OF ENGINEERING

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

1.3.2(2) Project

Academic Year:2023-2024

List of Students

IV BTech I Sem

S. No	Registration Number	Name of the Student	Project Title	Place	Duration (From-To)
1	320136414025	O Deepthi	Arduino Vision Robot	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
2	320136414008	G Soma Sekhar Reddy	Arduino Vision Robot	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
3	320136414062	V C H K V Sushma	Arduino Vision Robot	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
4	320136414068	B Kavya	Arduino Vision Robot	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
5	320136414046	K Badhrinadh	Arduino Vision Robot	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
6	320136414064	T Bhargav	Secure Drive Alert System	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
7	320136414045	K Durga Bhavani	Secure Drive Alert System	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
8	320136414047	K V Sai Manikanta	Secure Drive Alert System	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
9	320136414019	M Kiran Kumar	Secure Drive Alert System	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
10	320136414056	P V Pavan Kumar	Secure Drive Alert System	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
11	320136414039	D Sai Ramya	Self Driving Car using Arduino	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
12	320136414013	K Yerrayamma	Self Driving Car using Arduino	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
13	320136414028	P Hemanth Kumar	Self Driving Car using Arduino	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
14	320136414015	K Hareesh	Self Driving Car using Arduino	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
15	319136414014	T Yashoda Krishna Sree	Self Driving Car using Arduino	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
16	320136414044	G Harika	Wireless Solar Charger	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
17	320136414024	N S Venkata Teja	Wireless Solar Charger	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
18	320136414042	G Mounika	Wireless Solar Charger	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
19	320136414063	T Dinesh Kumar	Wireless Solar Charger	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024



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Email : principal@lbce.edu.in Website : www.lbce.edu.in

S. No	Registration Number	Name of the Student	Project Title	Place	Duration (From-To)
20	320136414009	I V S Surendra Varma	Wireless Solar Charger	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
21	320136414057	P Karthik Siddardha	Drive-A-Way Guardian	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
22	320136414001	A Joshitha	Drive-A-Way Guardian	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
23	320136414041	D Vasu	Drive-A-Way Guardian	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
24	320136414003	B Shalini	Drive-A-Way Guardian	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
25	320136414016	Kusuma Banditha	Drive-A-Way Guardian	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
26	320136414052	M Hamid Raza	Smart Helmet	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
27	320136414005	D Lakshmi Sowmya	Smart Helmet	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
28	320136414059	R S S S C Vara Prasad	Smart Helmet	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
29	320136414058	P Dinakar	Smart Helmet	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
30	320136414029	Rajana Balu	Smart Helmet	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
31	320136414002	A Sai Nikhil	AI Powered Battery Management System	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
32	320136414060	B Rithwik	AI Powered Battery Management System	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
33	320136414032	U Bala Pranay	AI Powered Battery Management System	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
34	320136414035	Y Ganesh Venkata Sai	AI Powered Battery Management System	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
35	320136414048	K Trinadh	AI Powered Battery Management System	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
36	320136414037	B Swathi	Ghat Road Safety System	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
37	320136414065	V Rakesh	Ghat Road Safety System	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
38	320136414040	D Venkatesh	Ghat Road Safety System	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
39	320136414055	N L Prasanna Kumar	Ghat Road Safety System	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
40	320136414061	S Ashraf	Ghat Road Safety System	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024



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Email : principal@lbce.edu.in Website : www.lbce.edu.in

S. No	Registration Number	Name of the Student	Project Title	Place	Duration (From-To)
41	320136414038	Ch Kiran Babu	IoT Driven Smart Home	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
42	320136414027	P Kranthi Sri	IoT Driven Smart Home	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
43	320136414033	V Keerthi	IoT Driven Smart Home	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
44	320136414051	M Kiran Preethi	IoT Driven Smart Home	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
45	320136414021	M Eesha Kumari	IoT Driven Smart Home	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
46	320136414017	M Rekha	Arduino based Fire Fighting robot	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
47	320136414020	M Suneetha	Arduino based Fire Fighting robot	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
48	320136414007	G Harika	Arduino based Fire Fighting robot	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
49	320136414030	S Prathibha	Arduino based Fire Fighting robot	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
50	320136414010	J Pavan Akash	Arduino based Fire Fighting robot	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
51	320136414018	M Renee Suneela	Substation Monitoring using Arduino over IoT	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
52	320136414006	G Sandhya	Substation Monitoring using Arduino over IoT	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
53	320136414066	V Sampath Ganesh	Substation Monitoring using Arduino over IoT	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
54	320136414014	K Navya Sri	Substation Monitoring using Arduino over IoT	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
55	320136414050	M Yaswanth	Substation Monitoring using Arduino over IoT	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
56	320136414034	V Ambica Siri Varshini	Atmospheric Water Generation	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
57	320136414031	T Shyam Vinay Kiran	Atmospheric Water Generation	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
58	320136414067	V Naveen	Atmospheric Water Generation	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
59	320136414070	P Vamsi	Atmospheric Water Generation	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
60	320136414040	P Venkatesh	Atmospheric Water Generation	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
61	320136414043	G N V K Appana Sai	Smart Wheel Chair	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024



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S. No	Registration Number	Name of the Student	Project Title	Place	Duration (From-To)
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63	320136414054	M Ravi	Smart Wheel Chair	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
64	320136414016	Y Jyothi Priya	Smart Wheel Chair	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
65	320136414011	K V Deepak Chand	Smart Wheel Chair	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
66	320136414004	D Prem Kumar	Room Automation based on IoT	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
67	320136414049	K Madhan Kumar	Room Automation based on IoT	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
68	320136414053	M V S S D Sai Abhishek	Room Automation based on IoT	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
69	320136414023	M Himanth	Room Automation based on IoT	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024
70	320136414069	N Harsha Vardhan Chowdary	Room Automation based on IoT	DLBC VISAKHAPATNAM	27-11-2023 to 20-04-2024

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ARDUINO VISION ROBOT

A Thesis submitted in partial fulfilment of the requirement

For the award of the Degree of

BACHELOR OF TECHNOLOGY

In

ELECTRICAL & ELECTRONICS ENGINEERING

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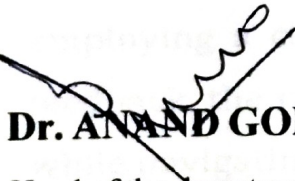


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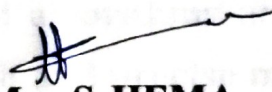
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Abstract

Surveillance robotic cars have emerged as indispensable tools for security and monitoring applications in various environments. This paper presents the design and implementation of a surveillance robotic car utilizing the ESP32 module and Arduino Uno microcontroller. The system integrates real-time video streaming, motion detection, and remote-control functionalities to enable efficient monitoring.

The surveillance robotic car is equipped with a camera module interfaced with the ESP32, allowing live video streaming over a Wi-Fi connection. The ESP32 facilitates seamless communication between the robotic car and a remote-control interface, enabling users to maneuver the vehicle and adjust its surveillance parameters remotely. Additionally, the onboard sensors, including ultrasonic sensors and infrared sensors, enhance the navigational capabilities and obstacle avoidance.

The Arduino Uno microcontroller serves as the central control unit, managing sensor inputs, motor control, and data transmission between the ESP32 module and peripherals. By employing a combination of PID control algorithms and sensor feedback, the robotic car achieves smooth and precise movement while navigating complex environments.

In conclusion, the developed surveillance robotic car demonstrates the feasibility of utilizing readily available hardware components for implementing advanced surveillance solutions. Future work may focus on enhancing the system's autonomy, incorporating advanced image processing techniques, and optimizing energy efficiency for prolonged operation.

SECURE DRIVE ALERT SYSTEM

A thesis submitted in partial fulfilment of the requirement

for the award the degree of

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in

ELECTRICAL AND ELECTRONICS ENGINEERING

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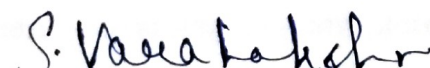
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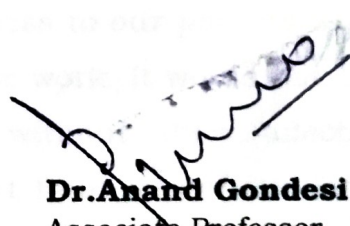


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ABSTRACT

Road accidents continue to pose a significant threat to public safety worldwide, necessitating efficient and effective post-accident response mechanisms. In this context, the development of advanced technological solutions has emerged as a promising approach to enhance emergency notification and assistance following collision events. This project introduces a Secure Drive Alert System (SDAS) designed to address the critical need for timely and secure communication after accidents occur.

The Secure Drive Alert System integrates state-of-the-art sensor technologies, including accelerometers and GPS modules, within vehicles to accurately detect collision occurrences. Upon detection of a collision, the system automatically initiates an alert process, transmitting real-time accident data to designated emergency services, authorities, and pre-selected contacts. This rapid notification enables swift deployment of emergency responders to the precise location of the accident, potentially reducing response times and improving outcomes for those involved.

It offers a user-friendly interface, allowing drivers to configure personalized preferences and emergency contact details easily. Through the integration of cutting-edge sensor technologies, robust security measures, and user-centric design principles, the Secure Drive Alert System aims to revolutionize post-accident response strategies. By facilitating rapid and secure communication in the aftermath of collisions, Secure Drive Alert System has the potential to significantly improve emergency outcomes, mitigate the impact of road accidents, and ultimately save lives.

SELF DRIVING CAR USING ARDUINO

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ABSTRACT

Self-Driving car, a car capable of sensing its surrounding and moving on its own through traffic and other obstacles with minimum or no human input. This is the current upcoming technology in the automobile industry and even though it has been discussed and worked on for a long time, it was successfully manufactured by TESLA. In recent years, these cars began to roll out in foreign markets as private and public vehicles(taxis etc.). Many companies like Waymo, UBER, Nissan, Nvidia are involved in this product development. With this type of car, the whole automotive transportation's safety, security, efficiency is increased and the human errors can be eradicated whilst the drive is made to its best. This project has infused the idea of traffic signal responding which is absent in the current models and the above mentioned advantages can be achieved with much more ease and at a low cost. This type of system can bring a revolution in transporting for differently abled people and also help blind people travel independently. This project demonstrates the creation of a flexible line follower robot that can avoid obstacles. It was made possible via Arduino and the L298 Motor Driver. A variety of parts, such as infrared and ultrasonic sensors, have been combined to build a robot that can follow lines and navigate around obstacles with intelligence.

WIRELESS SOLAR CHARGER

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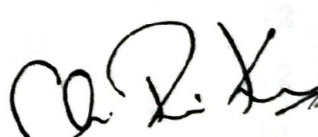
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ABSTRACT

With the increasing demand for mobile connectivity and the growing concern for environmental sustainability, the utilization of solar energy for phone charging presents a promising solution. This abstract explores the concept of solar phone charging, highlighting its convenience, eco-friendliness, and suitability for outdoor. The process involves the use of portable solar chargers equipped with photovoltaic cells to capture sunlight and convert it into electrical energy to charge phone batteries. Proper positioning of the solar panel to maximize sunlight exposure is crucial for efficient charging. Embracing solar phone charging not only promotes energy independence but making it a compelling option for environmentally conscious individuals and the proposed system harnesses solar energy through photovoltaic panels, storing it in a rechargeable battery to provide continuous power even in low-light conditions. Additionally, the integration of a power bank ensures uninterrupted charging on-the-go, making it ideal for outdoor activities and emergency situations it can be used for charging various portable devices.

Power banks play a crucial role in the effectiveness and reliability of solar phone charging systems. By integrating a power bank into the setup, users can store solar energy efficiently and access it conveniently when needed, especially in outdoor or emergency situations. The power bank acts as an intermediary between the solar panel and the phone battery, ensuring a steady and reliable supply of power even when sunlight is insufficient or unavailable. This feature significantly enhances the practicality of solar phone charging, making it a dependable solution for individuals who rely heavily on mobile devices in various settings.

DRIVE-A-WAY GUARDIAN

A thesis submitted in partial fulfilment of the requirement for the award the
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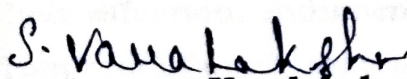
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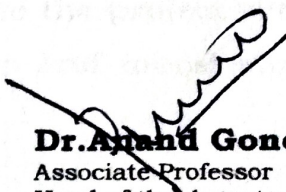
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ABSTRACT

Road accidents represent a significant threat to public safety worldwide, necessitating innovative solutions to prevent collisions and minimize their impact. This project introduces Drive Away Guardian (DAG), an advanced proactive accident prevention system designed to enhance driver awareness and mitigate accident risks before they occur.

DAG utilizes a combination of cutting-edge sensor technologies to continuously monitor the surrounding environment and detect potential collision hazards in real-time. By analyzing data on vehicle speed, trajectory, and the behavior of nearby objects, DAG anticipates potential accident scenarios and provides timely warnings to the driver enabling proactive intervention to avoid collisions.

The system incorporates machine learning algorithms to enhance its predictive capabilities and adapt to evolving road conditions, improving the accuracy of collision risk assessments. Besides, DAG integrates with on board vehicle systems to provide enhanced feedback such as haptic alerts and visual cues to effectively communicate potential hazards to the driver without causing distraction.

The DAG offers integration with vehicle-to-vehicle (V2V) and vehicle-to-infrastructure (V2I) communication systems, facilitating real-time exchange of safety-critical information between vehicles and infrastructure elements. This collaborative approach enhances situational awareness and enables coordinated accident prevention efforts across the transportation network.

SMART HELMET

A Thesis submitted in partial fulfillment of the requirement for the award of the degree of

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ABSTRACT

The increasing incidence of careless bike riding poses significant risks of accidents and injuries on roads. Recognizing the limitations in changing individual behaviors, this project proposes leveraging technology to mitigate carelessness effectively. Through the integration of IoT sensors, our project introduces a Smart Helmet designed to enforce adherence to rules and regulations mandated by road traffic authorities (RTO).

The Smart Helmet combines safety and smart features to ensure both rider protection and convenience. Safety features include the requirement for helmet usage before bike activation, prevention of bike start-up if the rider is under the influence of alcohol, and live GPS tracking for added security.

Moreover, the Smart Helmet offers seamless connectivity through Bluetooth, enabling riders to stay connected hands-free. With support of Google Assistant, real-time navigation, and maps, riders can access essential information without relying on external devices. Additionally, the helmet incorporates automatic charging functionality for uninterrupted usage.

This project aims to promote safer behavior among riders while enhancing their overall riding experience. By combining technological innovation with proactive safety measures, this smart helmet strives to reduce instances of careless bike riding and cultivate a culture of responsibility on the roads.

AI POWERED BATTERY MANAGEMENT SYSTEM

A Thesis submitted in partial fulfilment of the requirement

For the award of the Degree of

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In

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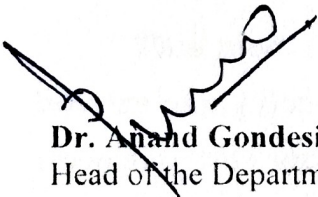
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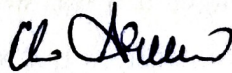
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Abstract

This advanced system monitors critical parameters like battery voltage, current, and temperature in real-time. The project introduces an innovative solution centered on a cutting-edge sensor and battery pack system driven by an Arduino Uno module, serving as the brain for the Battery Management System (BMS). In case of any fault or abnormal behavior, the system promptly initiates automatic cutoff of the battery input or output, reducing potential hazards. The integration of AI enhances battery management, improving battery life more effectively with modern techniques.

To illustrate our concept, we would like to develop a miniature model that serves as a representation of our innovative system. Using various software techniques, including machine learning and AI model training, we would create a demonstration to facilitate a deeper understanding of our proposed solution. In regular model fire safety and the efficiency of the model are not taken into consideration using the implementation of AI much more reliable operation can be done using our module.

This System provides the advantages such as Battery Status Monitoring and Display, Charging of Battery as per required predetermined input parameters. Temperature monitoring with auto cutoff, Better Automatic self-control using AI. More reliability and an increase in battery life and management.

This model's main aim is to increase the life expectancy of the battery using the AI system. Currently, many top companies are working regarding this topic where we are trying to build under the low cost. The module is connected with Arduino and interfaced with the system such for proper application of Machine Learning techniques into the module of BMS, the average life of a normal battery ranges from 500 to 600 Cycles. By using your system, we could bring this to 650 to 700 cycles or much more.

GHAT ROAD SAFETY SYSTEM

A Thesis submitted in partial fulfillment of the requirement

for the award the Degree of

BACHELOR OF TECHNOLOGY

In

ELECTRICAL & ELECTRONICS ENGINEERING

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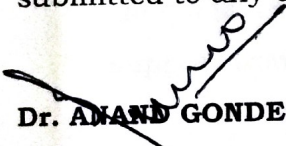


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ABSTRACT

The Ghat Road Safety System integrates Arduino microcontroller technology with various components like a 16x2 LCD display, traffic lights, IR sensors, and buzzers to enhance safety measures on winding mountainous roads. The system employs IR sensors strategically placed along the road to detect vehicles' presence and their speeds. When a vehicle approaches a hazardous turn, the IR sensors trigger the Arduino to activate the corresponding traffic light to alert drivers about the impending curve. Simultaneously, the 16x2 LCD display provides real-time information on road conditions, such as sharp turns or steep inclines. In critical situations where vehicles exceed safe speeds, the system triggers buzzers to further warn drivers, ensuring heightened vigilance and reducing the risk of accidents.

Furthermore, the Ghat Road Safety System enhances communication between drivers and road conditions, fostering safer navigation through challenging terrains. By integrating technology with physical infrastructure, the system not only alerts drivers to potential dangers but also fosters a proactive approach to road safety. Through the synchronized operation of traffic lights, IR sensors, LCD displays, and buzzers, drivers are empowered with timely information, enabling them to make informed decisions and navigate ghat roads with increased caution and awareness, ultimately minimizing the likelihood of accidents and promoting safer travel experiences.

IOT – DRIVEN SMART HOME

*A Thesis submitted in partial fulfilment of the requirement
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BACHELOR OF TECHNOLOGY

In

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ABSTARCT

The rapid evolution of technology has showed in a new era of smart living, transforming traditional homes into intelligent ecosystems through Smart Home System.

With the increase in consumption of energy and population, there is a grave need to conserve energy in every way possible. A web or an android based application is used by the users to give instructions to these systems. This system can make use of a host of communication methods such as Wi-Fi, Bluetooth, Voice Assistant. Different controlling devices and configurations can be found in existing systems.

The future trajectory of Smart Home, anticipating further integration of Artificial Intelligence (AI), Internet of Things (IoT), and edge computing to create truly autonomous and responsive living spaces. As smart homes become an integral part of modern living, understanding and harnessing the potential of home automation systems is crucial for creating sustainable, secure, and comfortable living environments.

ARDUINO BASED FIRE FIGHTING ROBOT

*A thesis submitted in partial fulfillment of the
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ABSTRACT

One of the most important parameters in fire disaster is life, i.e. lives lost in saving someone else life. It is sometimes impossible for fire-fighters personnel to access the site of a fire because of explosive materials, smoke, and high temperatures. A fast response to detect the fire can avoid many disastrous things. From the given statics it is observed that fire can take place at domestic as well as at industrial level. A normal spark can generate a massive fire breakout. Not only lives of industrial people but also the lives of domestic's people are at risk because of poor fire management system. But it can be avoided using proper fire controlling methods. For such environments, fire-fighting robot is proposed.

A Fire Fighting Robot is based on IOT Technology. In Fire Fighting robot, we intend to build a system that could extinguish a small flame by sensing and moving to the location itself. It will automatically detect the fire with the help of flame sensors. Once it detects the fire breakout location, it navigates itself accordingly to reach the fire source and extinguishes the fire by using built-in fire extinguishing system. For fire detection it is using three flame sensors. First one for the left direction, second one for the forward direction and third one for the right direction. Fire extinguishing system will get activated when fire detection system detects fire. It then reaches the breakout point and water pump will start ejecting the water when it detects fire. The key features of this system are to provide surveillance of fire so that major fire accidents can be prevented and loss of human lives gets minimized.

A fire fighter's work entails detecting and extinguishing fires. In this rapidly evolving technological age, the world is gradually moving toward automated systems. Firefighters, on the other hand, are often in danger of losing their lives. This firefighting robot uses ARDUINO, Fire sensors, etc. When the Robot detects a fire, it gives a message to the ARDUINO. Then ARDUINO sends the signal to the motor driver and thus water is sprayed in the direction of the fire. It assists firefighters in extinguishing the fire. And it will perform its operation where firefighters can't reach. This will save the risk of fire fighters' life and avoid any further damage.

SUBSTATION MONITORING USING ARDUINO OVER IOT

*A Thesis submitted in partial fulfillment of the requirement
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ATMOSPHERIC WATER GENERATION

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ABSTRACT

Atmospheric water generation technology has gained significant attention as a potential solution to global water scarcity issues. This abstract provides an overview of the various methods of atmospheric water generation, their principles, and applications. Initially, we outline the basic principles behind Atmospheric water generation, which involve the extraction of water vapor from the air and its subsequent condensation into liquid water suitable for consumption.

Atmospheric water generation systems harness innovative technologies to extract moisture from the atmosphere, employing methods such as refrigeration-based systems, desiccant-based systems, and hybrid approaches. These systems play a crucial role in converting atmospheric humidity into potable water, offering a decentralized and sustainable solution to the pressing issue of global water scarcity. By providing an alternative to traditional water sources, AWG systems cater to regions facing water shortages or lacking access to clean drinking water, thereby contributing significantly to water security.

Despite their immense potential, AWG systems face challenges such as energy consumption, scalability, and cost-effectiveness. Continued research, development, and collaboration are imperative to address these challenges and unlock the full potential of AWG technology. Through ongoing innovation and partnerships across various sectors, AWG systems can evolve to meet the diverse needs of communities worldwide, ensuring a reliable and sustainable water supply for future generations.

SMART WHEEL CHAIR

A Thesis submitted in partial fulfillment of the requirement

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ABSTRACT

Bluetooth-controlled wheelchair system designed to enhance mobility and accessibility for individuals with physical disabilities. Leveraging the Arduino Uno microcontroller and the HC-05 Bluetooth module, the system enables users to remotely control the wheelchair's movement and functionality through a smartphone or a similar Bluetooth-enabled device.

The wheelchair's conventional control interface is replaced with a Bluetooth-enabled control mechanism, allowing users to navigate the wheelchair wirelessly with ease. The Arduino Uno microcontroller serves as the central processing unit, interpreting commands received via Bluetooth from the user's device and translating them into corresponding actions for the wheelchair. The HC-05 Bluetooth module facilitates seamless communication between the wheelchair and the user's device, offering a reliable and low-latency connection. Through a custom-developed smartphone application or a dedicated control interface, users can intuitively command the wheelchair to move forward, backward, turn, and stop, as well as control other auxiliary functions.

By integrating Bluetooth technology with the Arduino Uno platform, the proposed wheelchair system provides an accessible and user-friendly solution for individuals with mobility impairments. Its modular design and open-source nature allow for further customization and expansion to accommodate specific user requirements and preferences. Overall, the Bluetooth-controlled wheelchair represents a significant advancement in assistive technology, promising greater independence and freedom of movement for users with disabilities.

ROOM AUTOMATION BASED ON IOT

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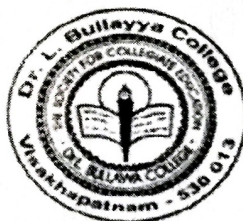
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