

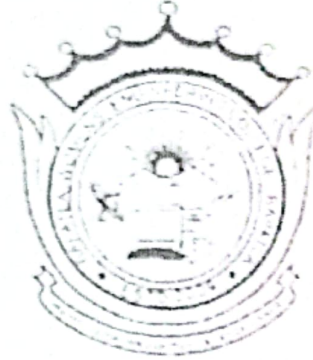
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
BAPATLA WOMEN'S ENGINEERING COLLEGE

An ISO 9001-2015 Certified Institution

(APPROVED BY A.I.C.T.E.)

(AFFILIATED TO ACHARYA NAGARJUNA UNIVERSITY, GUNTUR)

BAPATLA – 522101

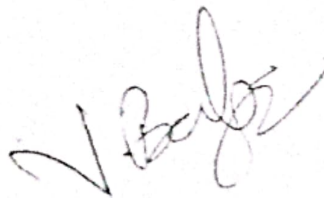


BONAFIDE CERTIFICATE

This is to certify that the project entitled " DETERMINING HEALTH INSURANCE FRAUDS USING VOTING CLASSIFIER", is the bonafide work done by A.VENKATAMANVITHA(Y19CS2601),A.LAKSHMI PRASANNA (Y19CS2604), G.KEERTHI (Y19CS2632), G.DHANA LAKSHMI (Y19CS2641), G.NAGA SRI NIDHI (Y19CS2643) under the guidance of Mrs. P.SUREKHA, M.Tech, Asst. Professor, Department of CSE, BWEC submitted in partial fulfillment of the requirements for the award of degree of Bachelor of Technology in Computer Science & Engineering under Acharya Nagarjuna University during the academic year 2022-2023.


GUIDE

Mrs.P.Surekha
M.Tech.
Asst. Professor
DEPT. OF CSE




HEAD OF DEPARTMENT 3/5/23

Mrs.G.Venkateswari
M.Tech, (Ph.D)
Asst.Professor&HoD
DEPT. OF CSE.

Head Department of Computer Science
Bapatla Women's Engineering College
BAPATLA

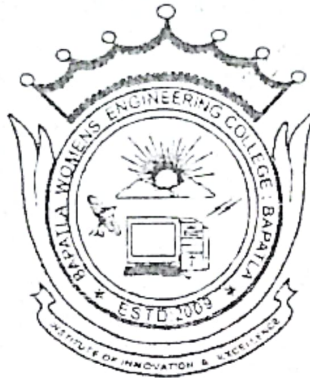
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
BAPATLA WOMEN'S ENGINEERING COLLEGE

An ISO 9001-2015 Certified Institution

(APPROVED BY A.I.C.T.E.)

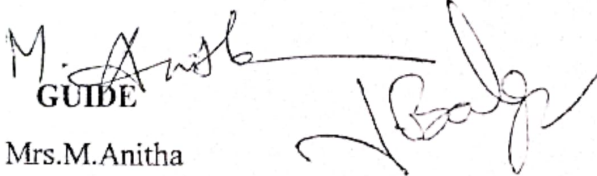
(AFFILIATED TO ACHARYA NAGARJUNA UNIVERSITY, GUNTUR)

BAPATLA – 522101



BONAFIDE CERTIFICATE

This is to certify that the project entitled "MONEY WALLET USING BLOCKCHAIN", is the bonafide work done by A.KAMANEEYA(Y19CS2603),A.JAYA SUPRIYA(Y19CS2602), K.HEMIMA(Y19CS2658),CH.MOUNIKA(Y19CS2619),CH.SAI GAYATHRI(Y19CS2621) under the guidance of Mrs.M.Anitha, M.Tech. Asst. Professor, Department of CSE, BWEC submitted in partial fulfillment of the requirements for the award of degree of Bachelor of Technology in Computer Science & Engineering under Acharya Nagarjuna University during the academic year 2022–2023.


GUIDE

Mrs.M.Anitha
M.Tech.

Asst. Professor
DEPT. OF CSE.


HEAD OF DEPARTMENT

Mrs.G.Venkateswari
M.Tech. (Ph.D)

Asst.Professor & HoD
DEPT. OF CSE.
Head Department of Computer Science
Bapatla Women's Engineering College
BAPATLA.

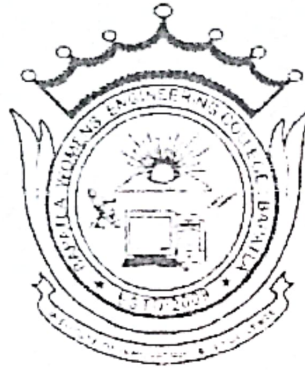
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
BAPATLA WOMEN'S ENGINEERING COLLEGE

An ISO 9001:2015 Certified Institution

(APPROVED BY A.I.C.T.E.)

(AFFILIATED TO ACHARYA NAGARJUNA UNIVERSITY, GUNTUR)

BAPATLA – 522101

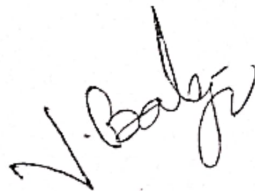


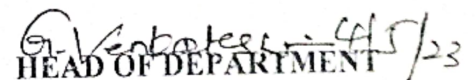
BONAFIDE CERTIFICATE

This is to certify that the project entitled "AUTOMATIC TEXT SUMMARIZATION USING NLP", is the bonafide work done by J.Reena Smile (Y19CS2645), E.Pujitha (Y19CS2630), B.Bhagya Lakshmi (Y19CS2611), B.Siva Naga Lakshmi (Y19CS2610), A.Lakshmi Prasanna (Y19CS2605), K.Rajeswari (Y19CS2651) under the guidance and supervision of Mrs.P.Neelima, M.Tech. Asst. Professor, Department of CSE, BWEC submitted in partial fulfillment of the requirements for the award of degree of Bachelor of Technology in Computer Science & Engineering under Acharya Nagarjuna University during the academic year 2022-2023.


GUIDE

Mrs. P. Neelima
M.Tech.
Asst. Professor,
DEPT. OF CSE




HEAD OF DEPARTMENT

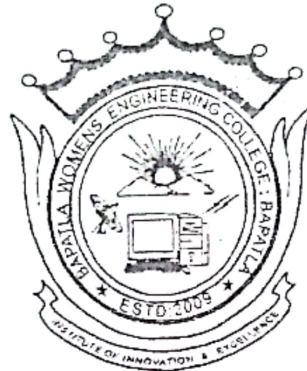
Mrs. G. Venkateswari
M.Tech, (Ph.D).

Asst. Professor & HoD

DEPT. OF CSE
Head Department of Computer Science
Bapatla Women's Engineering College
BAPATLA.

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
BAPATLA WOMEN'S ENGINEERING COLLEGE

An ISO 9001-2015 Certified Institution
(APPROVED BY A.I.C.T.E.)
(AFFILIATED TO ACHARYA NAGARJUNA UNIVERSITY, GUNTUR)
BAPATLA – 522101



BONAFIDE CERTIFICATE

This is to certify that the project entitled " BRIGHTNESS AND VOLUME CONTROL USING HAND GESTURE", is the bonafide work done by K.YAMUNA RANI (Y19CS2647), I.PAVANI NARMADA (Y19CS2644), G.AMULYA (Y19CS2631), B.SAI PAVANI (Y19CS2607), K.NAGA KAVYA (Y19CS2657) under the guidance of Mrs. N. BHAGYA LAKSHMI, M.Tech, Asst. Professor, Department of CSE, BWEC submitted in partial fulfillment of the requirements for the award of degree of Bachelor of Technology in Computer Science & Engineering under Acharya Nagarjuna University during the academic year 2022-2023.

N. Bhagya Lakshmi
GUIDE

Mrs.N.Bhagya Lakshmi
M.Tech.

Asst. Professor
DEPT. OF CSE

G. Venkateswari 4/5/23
HEAD OF DEPARTMENT

Mrs.G.Venkateswari
M.Tech. (Ph.D)

Asst.Professor&HoD

DEPT. OF CSE

Head Department of Computer Science
Bapatla Women's Engineering College
BAPATLA.

V. Belli

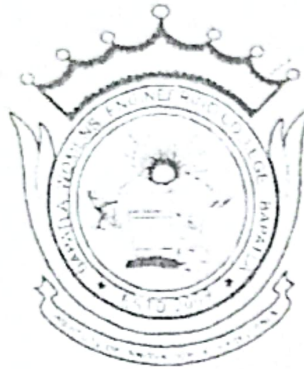
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
BAPATLA WOMEN'S ENGINEERING COLLEGE

An ISO 9001:2015 Certified Institution

(APPROVED BY A.I.C.T.E.)

(AFFILIATED TO ACHARYA NAGARJUNA UNIVERSITY, GUNTUR)

BAPATLA – 522101



BONAFIDE CERTIFICATE

This is to certify that the project entitled " ENHANCING DATA SECURITY IN CLOUD USING BLOCKCHAIN", is the bonafide work done B.NAGA LAKSHMI (Y19CS2608), K.GEETHIKA (Y19CS2653), K.HARIKA (Y19CS2660), B.TRIVENI (Y19CS2613), B.KUSUMA (Y19CS2615) under the guidance and supervision of Mrs. B.HARITHA, M.Tech Asst. Professor, Department of CSE, BWEC submitted in partial fulfillment of the requirements for the award of degree of Bachelor of Technology in Computer Science & Engineering under Acharya Nagarjuna University during the academic year 2022–2023.


GUIDE

Mrs. B. HARITHA
M.Tech.

Asst. Professor
DEPT. OF CSE




HEAD OF DEPARTMENT

Mrs. G. VENKATESWARI
M.Tech. (Ph.D)

Asst. Professor & HoD
DEPT. OF CSE

Head Department of Computer Science
Bapatla Women's Engineering College
BAPATLA.

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
BAPATLA WOMEN'S ENGINEERING COLLEGE

An ISO 9001-2015 Certified Institution
(APPROVED BY A.I.C.T.E.)
(AFFILIATED TO ACHARYA NAGARJUNA UNIVERSITY, GUNTUR)
BAPATLA – 522101



BONAFIDE CERTIFICATE

This is to certify that the project entitled " IDENTIFICATION OF MISSING CHILD USING DEEP LEARNING", is the bonafide work done by G.NALINI (Y19CS2635), B.NAGA SAI VAISHNAVI (Y19CS2609), B.HEMA SATWIKA (Y19CS2617), D.LEELA ISWARYA (Y19CS2627), D.LALITHA (Y19CS2625) under the guidance of Mrs. P.SUREKHA, M.Tech, Asst. Professor, Department of CSE, BWEC submitted in partial fulfillment of the requirements for the award of degree of Bachelor of Technology in Computer Science & Engineering under Acharya Nagarjuna University during the academic year 2022-2023.

Mrs.P.Surekha
M.Tech.
Asst. Professor
DEPT. OF CSE

G. Venkateswari 3/5/23
HEAD OF DEPARTMENT

Mrs.G.Venkateswari
M.Tech. (Ph.D)

Asst.Professor&HoD

DEPT. OF CSE.

Head Department of Computer Science
Bapatla Women's Engineering College
BAPATLA.

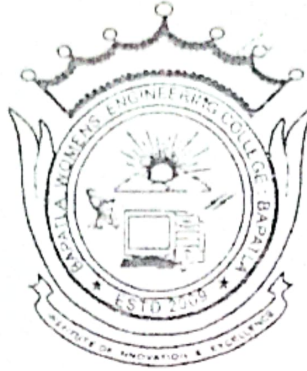
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
BAPATLA WOMEN'S ENGINEERING COLLEGE

An ISO 9001-2015 Certified Institution

(APPROVED BY A.I.C.T.E.)

(AFFILIATED TO ACHARYA NAGARJUNA UNIVERSITY, GUNTUR)

BAPATLA – 522101



BONAFIDE CERTIFICATE

This is to certify that the project entitled "VOICE BASED EMAIL SYSTEM USING ARTIFICIAL INTELLIGENCE", is the bonafide work done by K.HEMA NAGA SUSEELA (Y19CS2648), B.BHU LAKSHMI (Y19CS2616), B.MOUNIKA (Y19CS2612), G.AKHILA (Y19CS2639), G.JASWANTHI (Y19CS2642) under the guidance of Mrs. B.KALYANI, M.Tech. Asst. Professor, Department of CSE, BWEC submitted in partial fulfillment of the requirements for the award of degree of Bachelor of Technology in Computer Science & Engineering under Acharya Nagarjuna University during the academic year 2022–2023.

B. Kalyani
GUIDE

Mrs.B.KALYANI

M.Tech.

Asst. Professor

DEPT. OF CSE

G. Venkateswari 2/5/23
HEAD OF DEPARTMENT

Mrs.G.Venkateswari

M.Tech. (Ph.D)

Asst.Professor&HoD

DEPT. OF CSE.

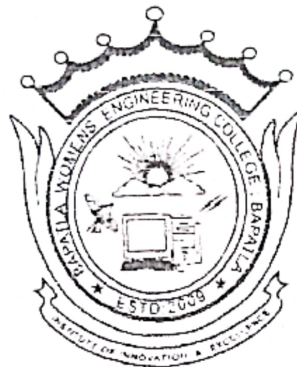
Head Department of Computer Science
Bapatla Women's Engineering College
BAPATLA.

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
BAPATLA WOMEN'S ENGINEERING COLLEGE

An ISO 9001 : 2015 certified Institution
(APPROVED BY A.I.C.T.E.)

(AFFILIATED TO ACHARYA NAGARJUNA UNIVERSITY, GUNTUR)

BAPATLA – 522101




BONAFIDE CERTIFICATE

This is to certify that the project entitled "MOUSELESS CURSOR USING FACIAL MOVEMENTS", is the bonafide work done by G.PREETHI(Y19CS2634), B.SIRISHA(Y19CS2614), K.SWATHI(Y19CS2659), D.J AHNAVIPRIYA(Y19CS2628), G.SRAVANI(Y19CS2638), K.DEEPIKA(Y19CS2650) under the guidance and supervision of Ms.D.TEJASWI, M.Tech. Asst. Professor, Department of CSE, BWEC submitted in partial fulfillment of the requirements for the award of degree of Bachelor of Technology in Computer Science & Engineering under Acharya Nagarjuna University during the academic year 2022-2023.


GUIDE

Ms.D.TEJASWI
M.Tech.
Asst. Professor
DEPT. OF CSE




HEAD OF DEPARTMENT
Mrs.G.VENKATESWARI
M.Tech. (Ph.D)
Asst.Professor&HoD
DEPT. OF CSE
Head Department of Computer Science
Bapatla Women's Engineering College
BAPATLA.

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
BAPATLA WOMEN'S ENGINEERING COLLEGE

An ISO 9001:2015 Certified Institution

(APPROVED BY A.I.C.T.E.)

(AFFILIATED TO ACHARYA NAGARJUNA UNIVERSITY, GUNTUR)

BAPATLA – 522101



BONAFIDE CERTIFICATE

This is to certify that the project entitled "STOCK MARKET PREDICTION USING KNN ALGORITHM", is the bonafide work done by B. SIRI CHANDANA (Y19CS2618), A. PRIYANKA (Y19CS2606), G. JHANSI (Y19CS2637), G. BALA NANDINI (Y19CS2640), D. AMRUTHA (Y19CS2626) under the guidance and supervision of Mrs. D. URLAMMA, M.Tech, Asst. Professor, Department of CSE, BWEC submitted in partial fulfillment of the requirements for the award of degree of Bachelor of Technology in Computer Science and Engineering under Acharya Nagarjuna University during the academic year 2022-2023.

D. URLAMMA

GUIDE

Mrs. D. URLAMMA
M.Tech.

Asst. Professor
DEPT. OF CSE

V. Balaji

G. Venkateswari 4/15/22
HEAD OF DEPARTMENT

Mrs. G. VENKATESWARI
M.Tech, (Ph. D).

Asst. Professor & HoD
Head Department of Computer Science
Bapatla Women's Engineering College
BAPATLA

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
BAPATLA WOMEN'S ENGINEERING COLLEGE

An ISO 9001-2015 Certified Institution

(APPROVED BY A.I.C.T.E.)

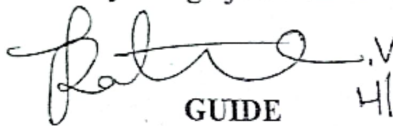
(AFFILIATED TO ACHARYA NAGARJUNA UNIVERSITY, GUNTUR)

BAPATLA – 522101



BONAFIDE CERTIFICATE

This is to certify that the project entitled "LOW-LIGHT IMAGE ENHANCEMENT USING CNN", is the bonafide work done by K.USHODAYA (Y19CS2656), K.LAHARI (Y19CS2652), K.POOJITHA (Y19CS2655), CH.RAMA SREE (Y19CS2623), CH.AASRITHA (Y19CS2622) under the guidance of Mrs.V.RATNA SRI, M.Tech. Asst. Professor, Department of CSE, BWEC submitted in partial fulfillment of the requirements for the award of degree of Bachelor of Technology in Computer Science & Engineering under Acharya Nagarjuna University during the academic year 2022-2023.

 V
4/5/23

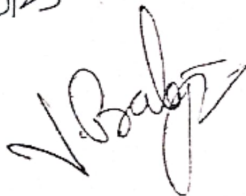
GUIDE

Mrs. V. Ratna Sri

M.Tech.

Asst. Professor

DEPT. OF CSE



 4/5/23
HEAD OF DEPARTMENT

Mrs. G. Venkateswari

M.Tech. (Ph.D)

Asst. Professor & HoD

DEPT. OF CSE.

Head Department of Computer Science
Bapatla Women's Engineering College
BAPATLA.

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
BAPATLA WOMEN'S ENGINEERING COLLEGE

An ISO 9001-2015 Certified Institution

(APPROVED BY A.I.C.T.E.)

(AFFILIATED TO ACHARYA NAGARJUNA UNIVERSITY, GUNTUR)

BAPATLA – 522101



BONAFIDE CERTIFICATE

This is to certify that the project entitled "BLOCKCHAIN AND CRYPTOGRAPHY COMMUNICATION SYSTEM", is the bonafide work done by J.GURU LAKSHMI (Y19CS2646), K.SAIRAMYA (Y19CS2654), G.SWAPNA (Y19CS2633), D.THANMAYI (Y19CS2629), K.CHANDANA (Y19CS2649) under the guidance of Mrs.T.SAI LAKSHMI, M.Tech, Asst.Professor, Department of CSE, BWEC submitted in partial fulfillment of the requirements for the award of degree of Bachelor of Technology in Computer Science & Engineering under Acharya Nagarjuna University during the academic year 2022–2023.

T. Sailab

GUIDE

Mrs.T.Sai Lakshmi,

M.Tech.

Asst. Professor

DEPT. OF CSE

G. Venkateswari 2/5/23
HEAD OF THE DEPARTMENT

Mrs.G.Venkateswari,

M.Tech, (Ph.D).

Asst.Professor & HoD

DEPT. OF CSE

Head Department of Computer Science
Bapatla Women's Engineering College
BAPATLA

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
BAPATLA WOMEN'S ENGINEERING COLLEGE

An ISO 9001-2015 Certified Institution
(APPROVED BY A.I.C.T.E.)
(AFFILIATED TO ACHARYA NAGARJUNA UNIVERSITY, GUNTUR)
BAPATLA – 522101



BONAFIDE CERTIFICATE

This is to certify that the project entitled "DETECTING REPLICATED FILES IN THE CLOUD", is the bonafide work done by S. SOWJANYA(Y19CS2700), S. MEENAMRUTHA (Y19CS2702), K.SHARANYA MOUNIKA (Y19CS2661), S. HARI PRIYANKA (Y19CS2701), M. ANVITHA (Y19CS2680) under the guidance of Mrs. G. VENKATESWARI, M.Tech, (Ph.D), Asst. Professor & HoD, Department of CSE, BWEC submitted in partial fulfillment of the requirements for the award of degree of Bachelor of Technology in Computer Science & Engineering under Acharya Nagarjuna University during the academic year 2022-2023.

G. Venkateswari
GUIDE

Mrs. G. VENKATESWARI, M.Tech, (Ph.D)

Asst. Professor & HoD

DEPT. OF.CSE

G. Venkateswari 3/5/23
HEAD OF DEPARTMENT

Mrs. G. VENKATESWARI, M.Tech, (Ph.D)

Asst. Professor & HoD

DEPT. OF. CSE

Head Department of Computer Science
Bapatla Women's Engineering College
BAPATLA.

G. S.

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
BAPATLA WOMEN'S ENGINEERING COLLEGE

An ISO 9001-2015 Certified Institution

(APPROVED BY A.I.C.T.E.)

(AFFILIATED TO ACHARYA NAGARJUNA UNIVERSITY, GUNTUR)

BAPATLA – 522101



BONAFIDE CERTIFICATE

This is to certify that the project entitled "AGRONOMY LEAF DISEASE PERCEPTION", is the bonafide work done by M.NANDINI (Y19CS2677), K.RAGHA SUDHA (Y19CS2670), SK.HASEENA (Y18CS2637), K.AMRUTHA (Y19CS2662), Y.SUJAIKA (Y19CS2714) under the guidance of Mrs. MD. JAREENA BEGUM, M.Tech. Asst. Professor, Department of CSE, BWEC submitted in partial fulfillment of the requirements for the award of degree of Bachelor of Technology in Computer Science & Engineering under Acharya Nagarjuna University during the academic year 2022-2023.

Jareena
GUIDE

Mrs.MD.JAREENA BEGUM

M.Tech.

Asst. Professor

DEPT. OF CSE

G. Venkateswari
HEAD OF DEPARTMENT

Mrs.G.VENKATESWARI

M.Tech. (Ph.D)

Asst.Professor&HoD
DEPT. OF CSE.

Head Department of C.
Bapatla Women's Engineering College
BAPATLA.

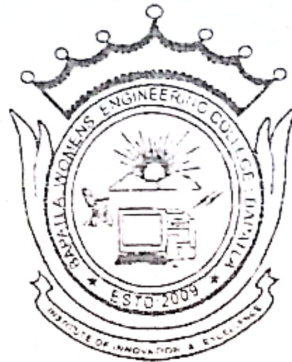
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
BAPATLA WOMEN'S ENGINEERING COLLEGE

An ISO 9001:2015 Certified Institution

(APPROVED BY A.I.C.T.E.)

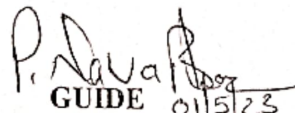
(AFFILIATED TO ACHARYA NAGARJUNA UNIVERSITY, GUNTUR)

BAPATLA – 522101



BONAFIDE CERTIFICATE

This is to certify that the project work entitled "LUNG CANCER DIAGNOSIS USING DEEP LEARNING:VGG-19", is the bonafide work done by P. VIJAYA LAKSHMI (Y19CS2693), K. SUSHMA (Y19CS2663), M. NANDU PRIYA (Y19CS2674), M. PAVANI (Y19CS2682), M. ANUSHA (Y19CS2681) Under the guidance of Ms. P. NAVA BHANU, M.Tech., Ph.D., Asst. Professor, Department of CSE, BWEC during the year 2022-2023 in partial fulfillment of the requirements for the award of degree of Bachelor of Technology in Computer Science & Engineering in the Department of Computer Science & Engineering.


GUIDE 01/5/23

Ms. P. NAVA BHANU
M.Tech., (Ph. D.)

Asst. Professor
DEPT. OF CSE


HEAD OF DEPARTMENT

Mrs. G. VENKATESWARI
M.Tech., (Ph. D.)

Asst. Professor & HoD
DEPT. OF CSE

Head Department of Computer Science
Bapatla Women's Engineering College
BAPATLA.

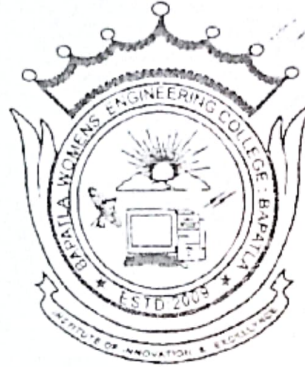
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
BAPATLA WOMEN'S ENGINEERING COLLEGE

An ISO 9001:2015 Certified Institution

(APPROVED BY A.I.C.T.E.)

(AFFILIATED TO ACHARYA NAGARJUNA UNIVERSITY, GUNTUR)

BAPATLA – 522101



BONAFIDE CERTIFICATE

This is to certify that the project entitled "SAFE GUARDING YOUR DATA FROM MALICIOUS URL USING MACHINE LEARNING", is the bonafide work done by K. MOUNIKA(Y19CS2664), T. NAGA HARSHITHA (Y19CS2707), SK. KASHIPHA (Y19CS2699), V. DHANA LAKSHMI BAI (Y19CS2710), B. VENKATA LAKSHMI (Y19CS2697), under the guidance and supervision of Mrs. B. HARITHA, M. Tech, Asst. Professor, Department of CSE, BWEC submitted in partial fulfillment of the requirements for the award of degree of Bachelor of Technology in Computer Science & Engineering under Acharya Nagarjuna University during the academic year 2022–2023.


GUIDE

Mrs. B. HARITHA, M. Tech (Ph.D.)

Asst. Professor

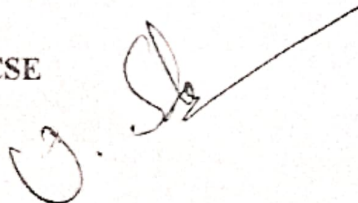
DEPARTMENT OF CSE


HEAD OF THE DEPARTMENT

Mrs. G. VENKATESWARI, M. Tech, (Ph.D.)

Asst. Professor & HoD

DEPARTMENT OF CSE


Head Department of Computer Science
Bapatla Women's Engineering College
BAPATLA.

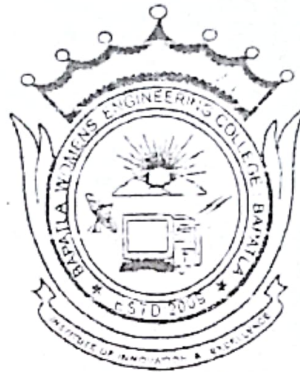
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
BAPATLA WOMEN'S ENGINEERING COLLEGE

An ISO 9001:2015 Certified Institution

(APPROVED BY A.I.C.T.E.)

(AFFILIATED TO ACHARYA NAGARJUNA UNIVERSITY, GUNTUR)

BAPATLA – 522101



BONAFIDE CERTIFICATE

This is to certify that the project entitled "STREAMLINING EXAM PROCTORING PROCESS USING PYTHON", is the bonafide work done by K. CHANDRA BHANU (Y19CS2666), V. APURVA (Y19CS2712), M. YAMINI SRIDEVI (Y19CS2673), K. MANJU (Y19CS2667), M. PALLAVI (Y19CS2675), under the guidance and supervision of Mrs. P. NEELIMA, M. Tech, Asst. Professor, Department of CSE, BWEC submitted in partial fulfilment of the requirements for the award of degree of Bachelor of Technology in Computer Science & Engineering under Acharya Nagarjuna University during the academic year 2022–2023.

P. Neelima
GUIDE

Mrs. P. NEELIMA, M. Tech

Asst. Professor

DEPARTMENT OF CSE

G. Venkateswari 2/5/22
HEAD OF THE DEPARTMENT

Mrs. G. VENKATESWARI, M. Tech, (Ph.D.)

Asst. Professor & HoD

DEPARTMENT OF CSE

Head Department of Computer Science
Bapatla Women's Engineering College
BAPATLA.

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
BAPATLA WOMEN'S ENGINEERING COLLEGE

AN ISO 9001:2015 Certified Institution

(APPROVED BY A.I.C.T.E.)

(AFFILIATED TO ACHARYA NAGARJUNA UNIVERSITY, GUNTUR)

BAPATLA - 522101



BONAFIDE CERTIFICATE

This is to certify that the project entitled "SMART CHECKOUT SYSTEM FOR SUPER MARKET", is the bonafide work done by K. SOWJANYA (Y19CS2665), R. YAMINI PRIYA LAKSHMI (Y19CS2695), R. TEJASWINI (Y19CS2696), T. SIVA KATYAYINI (Y19CS2704), U. AHALYA (Y19CS2709), under the guidance and supervision of Mrs. G.V. LEELA KUMARI, M. Tech, Asst. Professor, Department of CSE, BWEC submitted in partial fulfilment of the requirements for the award of degree of Bachelor of Technology in Computer Science & Engineering under Acharya Nagarjuna University during the academic year 2022-2023.

G.V. Leela Kumari

GUIDE

Mrs. G.V. LEELA KUMARI, M. Tech

Asst. Professor

DEPARTMENT OF CSE

G. Venkateswari 3/5/23
HEAD OF THE DEPARTMENT

Mrs. G. VENKATESWARI, M. Tech, (Ph.D.)

Asst. Professor & HoD

DEPARTMENT OF CSE

Bapatla Women's Engineering College
BAPATLA

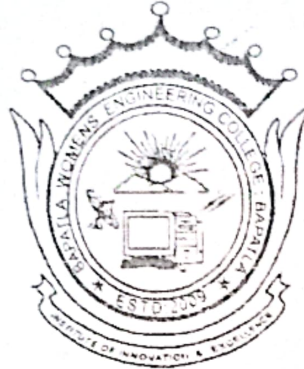
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
BAPATLA WOMEN'S ENGINEERING COLLEGE

An ISO 9001-2015 Certified Institution

(APPROVED BY A.I.C.T.E.)

(AFFILIATED TO ACHARYA NAGARJUNA UNIVERSITY, GUNTUR)

BAPATLA – 522101



BONAFIDE CERTIFICATE

This is to certify that the project entitled "SATELLITE IMAGE SEGMENTATION AND CLASSIFICATION FOR ENVIRONMENTAL ANALYSIS", is the bonafide work done by P.RAMYA (Y19CS2692), M.ASWINI (Y19CS2683), K.AKSHAYA (Y19CS2668), K.BHAVANA (Y19CS2671), Y.DIVYA (Y19CS2716) under the guidance of Mrs.MD.JAREENA BEGUM, M.Tech. Asst. Professor, Department of CSE, BWEC submitted in partial fulfillment of the requirements for the award of degree of Bachelor of Technology in Computer Science & Engineering under Acharya Nagarjuna University during the academic year 2022-2023.


GUIDE

Mrs.MD.Jareena Begum

M.Tech.

Asst. Professor

DEPT. OF CSE

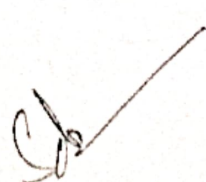

HEAD OF DEPARTMENT

Mrs.G.Venkateswari

M.Tech., (Ph.D.)

Asst. Professor & HoD

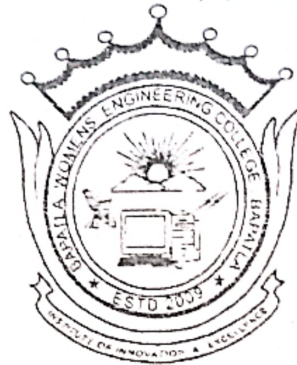
DEPT. OF CSE.


Head Department of Computer Science
Bapatla Women's Engineering College
BAPATLA

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
BAPATLA WOMEN'S ENGINEERING COLLEGE

An ISO 9001:2015 Certified Institution
(APPROVED BY A.I.C.T.E.)

(AFFILIATED TO ACHARYA NAGARJUNA UNIVERSITY, GUNTUR)
BAPATLA – 522101



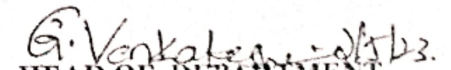
BONAFIDE CERTIFICATE

This is to certify that the project work entitled "A MACHINE LEARNING APPROACH FOR AIR WRITING RECOGNITION", is the bonafide work done by K. NAVYA (Y19CS2669), M. SOWMYAH (Y19CS2676), SK. AYESHA AMREEN (Y19CS2698), V. SRAVANI (Y19CS2711), Y. GAYATHRI DEVI (Y19CS2717) Under the guidance of Ms. P. NAVA BHANU, M.Tech., (Ph. D.), Asst. Professor, Department of CSE, BWEC during the year 2022–2023 in partial fulfillment of the requirements for the award of degree of Bachelor of Technology in Computer Science & Engineering in the Department of Computer Science & Engineering.


GUIDE

Ms. P. NAVA BHANU
M.Tech., (Ph. D.)

Asst. Professor
DEPT. OF CSE


HEAD OF DEPARTMENT

Mrs. G. VENKATESWARI
M.Tech., (Ph. D.)

Asst. Professor & HoD
DEPT. OF CSE

Head Department of Computer Science
Bapatla Women's Engineering College
BAPATLA.

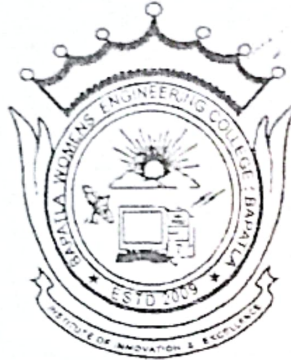
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
BAPATLA WOMEN'S ENGINEERING COLLEGE

An ISO 9001:2015 Certified Institution

(APPROVED BY A.I.C.T.E.)

(AFFILIATED TO ACHARYA NAGARJUNA UNIVERSITY, GUNTUR)

BAPATLA - 522101



BONAFIDE CERTIFICATE

This is to certify that the project entitled on "UNEARTHING OF MEDICINAL PLANTS USING DEEP LEARNING" is the bonafide work done by T.SAI PREETHI (Y19CS2708), L.HARINI (Y19CS2672), T. LAKSHMI PRASANNA (Y19CS2705), N.PRAMEELA BAI (Y19CS2687), P.MANJU VANI (Y19CS2690) under the guidance and supervision of Mrs.G.VENKATESWARI, M.Tech(Ph.D), Asst.Professor & Hod, Department of CSE,BWEC during the year 2022-2023 in partial fulfillment of the requirements for the award of degree of Bachelor of Technology in Computer Science & Engineering in the Department of Computer Science & Engineering.

G. Venkateswari
Guide:

Mrs. G.Venkateswari
M. Tech (Ph. D)

G. Venkateswari 3/5/23
Head of Department:

Mrs. G.Venkateswari, M. Tech (Ph. D)
Assistant Professor & HoD
Department of CSE

Head Department of Computer Science
Bapatla Women's Engineering College
BAPATLA.

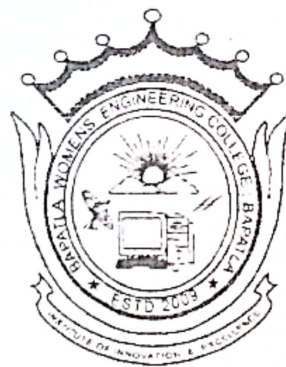
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
BAPATLA WOMEN'S ENGINEERING COLLEGE

An ISO 9001:2015 Certified Institution

(APPROVED BY A.I.C.T.E.)

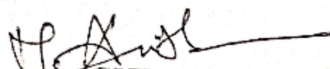
(AFFILIATED TO ACHARYA NAGARJUNA UNIVERSITY, GUNTUR)

BAPATLA – 522101



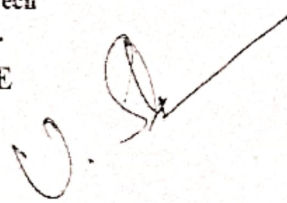
BONAFIDE CERTIFICATE

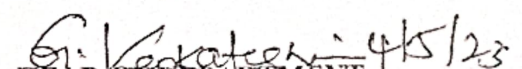
This is to certify that the project work entitled "SECURE STORAGE AND CERTIFICATE VERIFICATION SYSTEM USING BLOCKCHAIN", is the bonafide work done by O.TULASI (Y19CS2688), P.MANEESHA (Y19CS2689), R.JYOTHIKA REDDY (Y19CS2694), N.LAHARI DURGA (Y19CS2685), M.SAGARI (Y19CS2678) Under the guidance of Mrs. M. ANITHA, M.Tech., Asst. Professor, Department of CSE, BWEC during the year 2022–2023 in partial fulfillment of the requirements for the award of degree of Bachelor of Technology in Computer Science & Engineering in the Department of Computer Science & Engineering.


GUIDE

Mrs.M.ANITHA
M.Tech

Asst. Professor
DEPT. OF CSE




HEAD OF DEPARTMENT

Mrs. G. VENKATESWARI
M.Tech., (Ph. D.)

Asst. Professor & HoD
DEPT. OF CSE

Head Department of Computer Science
Bapatla Women's Engineering College
BAPATLA

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
BAPATLA WOMEN'S ENGINEERING COLLEGE

AN ISO 9001:2015 Certified Institution

(APPROVED BY A.I.C.T.E.)

(AFFILIATED TO ACHARYA NAGARJUNA UNIVERSITY, GUNTUR)

BAPATLA – 522101



BONAFIDE CERTIFICATE

This is to certify that the project entitled "ELECTRONIC HEALTH RECORDS USING CP-ABE ACCESS POLICY IN BLOCKCHAIN TECHNOLOGY", is the bonafide work done by P. JAYASREE (Y19CS2691), V. MANASA (Y19CS2713), T. RAMYA (Y19CS2703), N. MOUNI (Y19CS2686), T. LAKSHMI KEERTHANA (Y19CS2706), under the guidance and supervision of Mrs. G.V. LEELA KUMARI, M. Tech. Asst. Professor, Department of CSE, BWEC submitted in partial fulfilment of the requirements for the award of degree of Bachelor of Technology in Computer Science & Engineering under Acharya Nagarjuna University during the academic year 2022–2023.

G.V. Leela Kumari
GUIDE

Mrs.G.V. LEELA KUMARI, M. Tech

Asst.Professor

DEPARTMENT OF CSE

G. Venkateswari 3/5/22
HEAD OF THE DEPARTMENT

Mrs.G. VENKATESWARI, M. Tech. (Ph.D.)

Asst. Professor & HoD

DEPARTMENT OF CSE

Head Department of Computer Science
Bapatla Women's Engineering College
BAPATLA

CERTIFICATE



This is to certify that the project entitled "EFFECTUAL ADDER USING GDI TECHNIQUE", is the bonafied work done by K. YASWINI (Y19EC2619), under the guidance and supervision of Mrs. R. LOGANYA, Assistant Professor, Department of ECE, BWEC submitted in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering (ECE) affiliated to Acharya Nagarjuna University during the academic year 2022-2023.

Guide: *R.L.*

B. Mahalakshmi
Head of the Department:
28/4/23

Mrs. R. Loganya, M. E
Assistant Professor
Dept. of ECE, BWEC
Bapatla

Mrs. B. Maha Lakshmi, M.Tech, (Ph. D)
Assistant Professor
Dept. of ECE, BWEC
Bapatla

Head, Department of ECE
Bapatla Women's Engineering College
BAPATLA

G.D.
External Examiner ↓

CERTIFICATE



This is to certify that the project entitled "EFFECTUAL ADDER USING GDI TECHNIQUE", is the bonafied work done by CH. Lakshmi Venkata Naga Jyothi (Y19EC2606), under the guidance and supervision of Mrs. R. LOGANYA, Assistant Professor, Department of ECE, BWEC submitted in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering (ECE) affiliated to Acharya Nagarjuna University during the academic year 2022-2023.

Guide: *P.V.V*

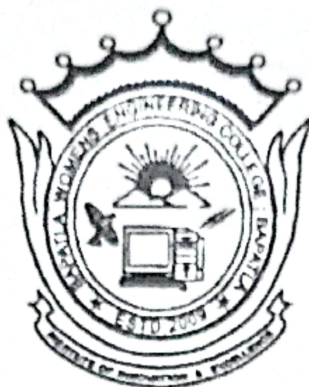
B. Maha Lakshmi
Head of the Department:
28/4/23

Mrs. R. Loganya, M. E
Assistant Professor
Dept. of ECE, BWEC
Bapatla

Mrs. B. Maha Lakshmi, M.Tech, (Ph. D)
Assistant Professor
Dept. of ECE, BWEC
Bapatla Head, Department of ECE
Bapatla Women's Engineering College
BAPATLA

H. D. U. J.
External Examiner

CERTIFICATE



This is to certify that the project entitled "EFFECTUAL ADDER USING GDI TECHNIQUE", is the bonafied work done by K. CHANDRIKA (Y19EC2614), under the guidance and supervision of Mrs. R. LOGANYA, Assistant Professor, Department of ECE, BWEC submitted in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering (ECE) affiliated to Acharya Nagarjuna University during the academic year 2022-2023.

Guide *R. Loganya*

Mrs. R. Loganya, M.E

Assistant Professor

Department of ECE

BWEC, Bapatla

B. Mahalakshmi
Head of Department *28/4/22*

Smt. B. Mahalakshmi, M. Tech (Ph. D)

Assistant Professor

Department of ECE

BWEC, Bapatla

Head, Department of ECE
Bapatla Women's Engineering College
BAPATLA

(H.D. V. S. R.)
External Examiner

CERTIFICATE



This is to certify that the project entitled "EFFECTUAL ADDER USING GDI TECHNIQUE", is the bonafied work done by K. LAKSHMI PRASANNA (Y19EC2618), under the guidance and supervision of Mrs. R. LOGANYA, Assistant Professor, Department of ECE, BWEC submitted in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering (ECE) affiliated to Acharya Nagarjuna University during the academic year 2022-2023.

Guide R.Lf

Mrs. R. Loganya, M.E

Assistant Professor

Department of ECE

BWEC, Bapatla

B. Mahalakshmi
Head of Department
28/4/23

Smt. B. Mahalakshmi, M. Tech (Ph. D)

Assistant Professor

Department of ECE

BWEC, Bapatla

Head, Department of ECE
Bapatla Women's Engineering College
BAPATLA

External Examiner

CERTIFICATE



This is to certify that the project entitled "DESIGN AND DEVELOPMENT OF INTELLIGENT TRAIN ENGINE SYSTEM FOR REAL TIME APPLICATIONS", is the bonafied work done by MD.SHEEMA ARJAMAN (Y1EC2625) under the guidance and supervision of G.KRISHNA VENI M.Tech,(Ph.D), Assistant Professor, Department of ECE, BWEC submitted in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering (ECE) under Acharya Nagarjuna University during the academic year 2022-2023.

Project Guide

G.K.Veni
SMT. G. KRISHNA VENI

Asst. Professor

Department of ECE

BWEC

Bapatla

B. Mahalakshmi
Head of the Department

28/4/23
SMT. B. MAHALAKSHMI

Assistant Professor

Department of ECE

BWEC

Bapatla

Head, Department of ECE
Bapatla Women's Engineering College
BAPATLA

L.H.D. Veni
External Examiner

CERTIFICATE



This is to certify that the project entitled "DESIGN AND DEVELOPMENT OF INTELLIGENT TRAIN ENGINE SYSTEM FOR REAL TIME APPLICATIONS", is the bonafied work done by **P.ANJALEE PRIYA (Y19EC2629)** under the guidance and supervision of **G.KRISHNA VENI M.Tech,(Ph.D)**, Assistant Professor, Department of ECE, BWEC submitted in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering (ECE) under Acharya Nagarjuna University during the academic year 2022-2023.

Project Guide


SMT. G. KRISHNA VENI

Asst. Professor

Department of ECE

BWEC

Bapatla


Head of the Department


SMT. B. MAHALAKSHMI

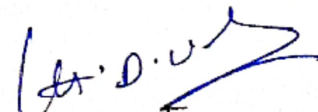
Assistant Professor

Department of ECE

BWEC

Bapatla

Head, Department of ECE
Bapatla Women's Engineering College
BAPATLA


External Examiner

CERTIFICATE



This is to certify that the project entitled "DESIGN AND DEVELOPMENT OF INTELLIGENT TRAIN ENGINE SYSTEM FOR REAL TIME APPLICATIONS", is the bonafied work done by **B.LASYA (VI9EC1603)** under the guidance and supervision of **G.KRISHNA VENI M.Tech.(Ph.D)**, Assistant Professor, Department of ECE, BWEC submitted in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering (ECE) under Acharya Nagarjuna University during the academic year 2022-2023


Project Guide

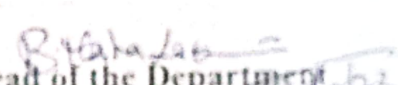
SMT. G. KRISHNA VENI

Asst. Professor

Department of ECE

BWEC

Bapatla


Head of the Department

SMT. B. MAHALAKSHMI

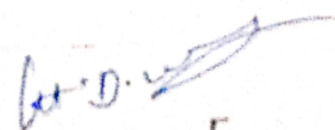
Assistant Professor

Department of ECE

BWEC

Bapatla

Head, Department of ECE
Bapatla Women's Engineering College
BAPATLA


External Examiner

CERTIFICATE



This is to certify that the project entitled "DESIGN AND DEVELOPMENT OF INTELLIGENT TRAIN ENGINE SYSTEM FOR REAL TIME APPLICATIONS", is the bonafied work done by **K.SUREKHA (Y19EC2620)** under the guidance and supervision of **G.KRISHNA VENI M.Tech,(Ph.D)**, Assistant Professor, Department of ECE, BWEC submitted in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering (ECE) under Acharya Nagarjuna University during the academic year 2022-2023.

Project Guide

G.K. Veni
SMT. G. KRISHNA VENI

Asst. Professor

Department of ECE

BWEC

Bapatla

B. Mahalakshmi
Head of the Department

28/9/23
SMT. B. MAHALAKSHMI

Assistant Professor

Department of ECE

BWEC

Bapatla

Head, Department of ECE
Bapatla Women's Engineering College
BAPATLA

H.O.
External Examiner



CERTIFICATE

This is to certify that the project entitled "MULTIPLE ACCOUNT ACCESS USING SINGLE ATM CARD WITH HIGHLY ENHANCED SECURITY", is the bonafied work done by **M.YAMUNA (Y19EC2624)**, under the guidance and supervision of **Mrs.B.Siva Kumari**, M.Tech Assistant Professor, Department of ECE, BWEC submitted in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering (ECE) under Acharya Nagarjuna University during the academic year 2022- 2023.

B. Siva Kumari
Project Guide:
Mrs.B.Siva Kumari, M.Tech
Assistant Professor
Dept. of ECE, BWEC
Bapatla

R. Mahalakshmi
Head of the Department
Mrs.B.MahaLakshmi, M.Tech,(ph.D)
Assistant Professor
Dept. of ECE, BWEC
Bapatla

Head, Department of ECE
Bapatla Women's Engineering College
BAPATLA

[Signature]
External Examiner

Department of Electronics and Communication Engineering
BAPATLA WOMEN'S ENGINEERING COLLEGE
(Affiliated to Acharya Nagarjuna University)



CERTIFICATE

This is to certify that the project entitled "MULTIPLE ACCOUNT ACCESS USING SINGLE ATM CARD WITH HIGHLY ENHANCED SECURITY", is the bonafied work done by N.LEELA PRAVALLIKA (Y19EC2626), under the guidance and supervision of Mrs.B.Siva Kumari, M.Tech Assistant Professor, Department of ECE, BWEC submitted in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering (ECE) under Acharya Nagarjuna University during the academic year 2022- 2023.

B. Siva Kumari
Project Guide:
Mrs.B.Siva Kumari, M.Tech
Assistant Professor
Dept. of ECE, BWEC
Bapatla

B. Mahalakshmi
Head of the Department
Mrs.B.MahaLakshmi, M.Tech,(ph.D)
Assistant Professor
Dept. of ECE, BWEC
Bapatla

Head, Department of ECE
Bapatla Women's Engineering College
BAPATLA

H.D. W.
External Examiner



CERTIFICATE

This is to certify that the project entitled "MULTIPLE ACCOUNT ACCESS USING SINGLE ATM CARD WITH HIGHLY ENHANCED SECURITY", is the bonafied work done by CH. SAI LAKSHMI(Y19EC2605), under the guidance and supervision of Mrs. B. Siva Kumari, M. Tech Assistant Professor, Department of ECE, BWEC submitted in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering (ECE) under Acharya Nagarjuna University during the academic year 2021- 2022.

B. Siva Kumari
Project Guide:

Mrs.B.Siva Kumari, M.Tech
Assistant Professor
Dept. of ECE, BWEC
Bapatla

B. Mahalakshmi
Head of the Department:

Mrs.B.MahaLakshmi, M.Tech,(ph.D)
Assistant Professor
Dept. of ECE, BWEC
Bapatla

Head, Department of ECE
Bapatla Women's Engineering College
BAPATLA

External Examiner

Department of Electronics and Communication Engineering
BAPATLA WOMEN'S ENGINEERING COLLEGE
(Affiliated to Acharya Nagarjuna University)



CERTIFICATE

This is to certify that the project entitled "MULTIPLE ACCOUNT ACCESS USING SINGLE ATM CARD WITH HIGHLY ENHANCED SECURITY", is the bonafied work done by **J.SATHWIK (Y19EC2613)**, under the guidance and supervision of **Mrs.B.Siva Kumari**, M.Tech Assistant Professor, Department of ECE, BWEC submitted in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering (ECE) under Acharya Nagarjuna University during the academic year 2022- 2023.

B. siva kumari
Project Guide:

Mrs.B.Siva Kumari, M.Tech
Assistant Professor
Dept. of ECE, BWEC
Bapatla

B. Mahalakshmi
Head of the Department:
Mrs.B.MahaLakshmi, M.Tech,(ph.D)
Assistant Professor
Dept. of ECE, BWEC
Bapatla

Head, Department of ECE
Bapatla Women's Engineering College
BAPATLA

H.D.
External Examiner

CERTIFICATE



This is to certify that the project entitled "DESIGN OF DUAL – BAND INVERTED LADDER SHAPED MIMO ANTENNA FOR 5G mm WAVE APPLICATIONS", is the bonafide work done by P. NAVYA (Y19EC2631) under the guidance and supervision of Mrs. G. KALYANI, Assistant Professor, Department of ECE, BWEC submitted in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering (ECE) under Acharya Nagarjuna University during the academic year 2022-2023.

Project guide: *G. Kalyani*
28/04/23

Mrs. G. Kalyani, M. Tech, (Ph. D)
Assistant Professor
Dept. of ECE, BWEC
Bapatla

B. Mahalakshmi
Head of the Department 28/4/23

Mrs. B. Mahalakshmi, M. Tech, (Ph. D)
Assistant Professor
Dept. of ECE, BWEC
Bapatla

Head, Department of ECE
Bapatla Women's Engineering College
BAPATLA

H.O.
External Examiner

CERTIFICATE



This is to certify that the project entitled "DESIGN OF DUAL – BAND INVERTED LADDER SHAPED MIMO ANTENNA FOR 5G mm WAVE APPLICATIONS", is the bonafide work done by P. Hyndavi (Y19EC2635) under the guidance and supervision of Mrs. G. Kalyani, Assistant Professor, Department of ECE, BWEC submitted in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering (ECE) under Acharya Nagarjuna University during the academic year 2022-2023.

Project guide: *G. Kalyani*
28/04/23

Mrs. G . Kalyani, M. Tech, (Ph. D)
Assistant Professor
Dept. of ECE, BWEC
Bapatla

B. Mahalakshmi
Head of the Department: 28/4/23

Mrs. B. Mahalakshmi M. Tech, (Ph. D)
Assistant Professor
Dept. of ECE, BWEC
Bapatla

Head, Department of ECE
Bapatla Women's Engineering College
BAPATLA

H.D.
External Examiner

CERTIFICATE



This is to certify that the project entitled "DESIGN OF DUAL – BAND INVERTED LADDER SHAPED MIMO ANTENNA FOR 5G mm WAVE APPLICATIONS", is the bonafide work done by P. Supriya(Y19EC2627) under the guidance and supervision of Mrs. G. Kalyani, Assistant Professor, Department of ECE, BWEC submitted in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering (ECE) under Acharya Nagarjuna University during the academic year 2022-2023.

Project guide: *G. Kalyani*
28/04/23

Mrs. G. Kalyani, M. Tech, (Ph. D)

~~Ph. D~~ Assistant Professor

Dept. of ECE, BWEC

Bapatla

B. Mahalakshmi
Head of the Department: 28/4/23

Mrs. B. Mahalakshmi, M. Tech, (Ph. D)

Assistant Professor

Dept. of ECE, BWEC

Bapatla

Head, Department of ECE
Bapatla Women's Engineering College
BAPATLA

Ext. D.
External Examiner

Department of Electronics and Communication Engineering
BAPATLA WOMEN'S ENGINEERING COLLEGE
 (Affiliated to Acharya Nagarjuna University)



CERTIFICATE

This is certify that the project work report on "DESIGN OF DUAL – BAND INVERTED LADDER SHAPED MIMO ANTENNA FOR 5G mm WAVE APPLICATIONS" is done by P. Tejo Vyshnavi (Y19EC2637), under the guidance and supervision of Mrs. G. Kalyani, Asst. professor submitted in partial fulfilment for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering by Acharya Nagarjuna University during the academic year of 2022 – 2023.

G. Kalyani
 PROJECT GUIDE: *28/6/23*

B. Maha Lakshmi
 HEAD OF THE DEPARTMENT: *28/6/23*

Smt. G.Kalyani, M. Tech (Ph.D.)

Smt. B. Maha Lakshmi, M. Tech (Ph.D.)

Asst. Professor

Head of Department

Department of ECE

Department of ECE

BWEC, Bapatla.

BWEC, Bapatla.
 Head, Department of ECE
 Bapatla Women's Engineering College
 BAPATLA

W.D. W.
 External Examiner

Department of Electronics and Communication Engineering
BAPATLA WOMEN'S ENGINEERING COLLEGE
 (Affiliated to Acharya Nagarjuna University)



CERTIFICATE

This is to certify that the project entitled "IoT BASED SYSTEM FOR CLASSIFICATION OF DIABETES USING CONVOLUTIONAL NEURAL NETWORK ALGORITHM", is the bonafide work done by CH. BHVAYA SREE (Y19EC2607) under the guidance and supervision of Mrs. B.MAHALAKSHMI, Assistant Professor, Department of ECE, BWEC submitted in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering (ECE) under Acharya Nagarjuna University during the academic year 2022-2023.

B. Mahalakshmi
 Project Guide: 28/4/23

Mrs. B. Mahalakshmi, M. Tech, (Ph.D.)
 Assistant Professor
 Dept. of ECE, BWEC
 Bapatla

B. Mahalakshmi
 Head of the Department: 28/4/23

Mrs. B. Mahalakshmi M. Tech, (Ph.D.)
 Assistant Professor
 Dept. of ECE, BWEC
 Bapatla

External Examiner
 External Examiner

Head, Department of ECE
 Bapatla Women's Engineering College
 BAPATLA

Department of Electronics and Communication Engineering

BAPATLA WOMEN'S ENGINEERING COLLEGE

(Affiliated to Acharya Nagarjuna University)



CERTIFICATE

This is certify that the project work report on "IoT BASED SYSTEM FOR CLASSIFICATION OF DIABETES USING CONVOLUTIONAL NEURAL NETWORK ALGORITHM" is done by P. Lakshmi Durga (Y19EC2637), under the guidance and supervision of Mrs. B. Mahalakshmi, Asst. professor submitted in partial fulfilment for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering by Acharya Nagarjuna University during the academic year of 2022 – 2023.

B. Mahalakshmi
PROJECT GUIDE:
28/4/23

Mrs. B. Mahalakshmi (Ph.D.)

Asst. Professor

Department of ECE

BWEC, Bapatla.

B. Mahalakshmi
HEAD OF THE DEPARTMENT:
28/4/23

Mrs. B. Mahalakshmi (Ph.D.)

Head of Department

Department of ECE

BWEC, Bapatla.

Head, Department of ECE
Bapatla Women's Engineering College
BAPATLA

H. D. [Signature]
External Examiner

Department of Electronics and Communication Engineering

BAPATLA WOMEN'S ENGINEERING COLLEGE

(Affiliated to Acharya Nagarjuna University)



CERTIFICATE

This is to certify that the project entitled "IoT BASED SYSTEM FOR CLASSIFICATION OF DIABETES USING CONVOLUTIONAL NEURAL NETWORK ALGORITHM", is the bonafide work done by P. NAGA NIHARIKA (Y19EC2636) under the guidance and supervision of Mrs. B.MAHALAKSHMI, Assistant Professor, Department of ECE, BWEC submitted in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering (ECE) under Acharya Nagarjuna University during the academic year 2022-2023.

B. Mahalakshmi
Project Guide: *28/1/23*

Mrs. B. Mahalakshmi, M. Tech, (Ph.D.)

Assistant Professor

Dept. of ECE, BWEC

Bapatla

B. Mahalakshmi
Head of the Department: *28/1/23*

Mrs. B. Mahalakshmi M. Tech, (Ph.D.)

Assistant Professor

Dept. of ECE, BWEC

Bapatla

G.H.D. W
External Examiner

Head, Department of ECE
Bapatla Women's Engineering College
BAPATLA

Department of Electronics and Communication Engineering

BAPATLA WOMEN'S ENGINEERING COLLEGE

(Affiliated to Acharya Nagarjuna University)



CERTIFICATE

This is to certify that the project entitled "IoT BASED SYSTEM FOR CLASSIFICATION OF DIABETES USING CONVOLUTIONAL NEURAL NETWORK ALGORITHM", is the bonafide work done by A. CHAITANYA LAKSHMI (Y19EC2601) under the guidance and supervision of Mrs. B.MAHALAKSHMI, Assistant Professor, Department of ECE, BWEC submitted in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering (ECE) under Acharya Nagarjuna University during the academic year 2022-2023.

B. Mahalakshmi
Project Guide: 28/4/23

Mrs. B. Mahalakshmi, M. Tech, (Ph.D.)

Assistant Professor

Dept. of ECE, BWEC

Bapatla

B. Mahalakshmi
Head of the Department: 28/4/23

Mrs. B. Mahalakshmi M. Tech, (Ph.D.)

Assistant Professor

Dept. of ECE, BWEC

Bapatla

Head, Department of ECE
Bapatla Women's Engineering College
BAPATLA

H.D.V.
External Examiner

Department of Electronics and Communication Engineering

BAPATLA WOMEN'S ENGINEERING COLLEGE

(Affiliated to Acharya Nagarjuna University)



CERTIFICATE

This is to certify that the project entitled "SMART HELMET FOR MINING WORKERS", is the bonafied work done by CH.SRUTHI (Y19EC2604), under the guidance and supervision of Ms.T.SOWMYA, Assistant Professor, Department of ECE, BWEC submitted in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering (ECE) under Acharya Nagarjuna University during the academic year 2022-2023.

Project Guide:
Ms. T. Sowmya, M.Tech
Assistant Professor
Dept. of ECE, BWEC
Bapatla

Head of the Department: 28/11/23
Mrs. B. Maha Lakshmi, M.Tech, (Ph. D)
Assistant Professor
Dept. of ECE, BWEC
Bapatla

Head, Department of ECE
Bapatla Women's Engineering College
BAPATLA

External Examiner

Department of Electronics and Communication Engineering
BAPATLA WOMEN'S ENGINEERING COLLEGE
(Affiliated to Acharya Nagarjuna University)



CERTIFICATE

This is to certify that the project entitled "SMART HELMET FOR MINING WORKERS", is the bonafied work done by LTANUJA(Y19EC2611) under the guidance and supervision of Ms.T.SOWMYA, Assistant Professor, Department of ECE, BWEC submitted in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering (ECE) under Acharya Nagarjuna University during the academic year 2022-2023.

Project Guide:
Ms.T.Sowmya, M.Tech
Assistant Professor
Dept. of ECE, BWEC
Bapatla

Head of the Department: 28/10/23
Mrs.B.Maha Lakshmi, M.Tech, (Ph.D)
Assistant Professor
Dept. of ECE, BWEC
Bapatla

Head, Department of ECE
Bapatla Women's Engineering College
BAPATLA


External Examiner

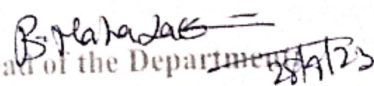
Department of Electronics and Communication Engineering
 BAPATLA WOMEN'S ENGINEERING COLLEGE
 (Affiliated to Acharya Nagarjuna University)



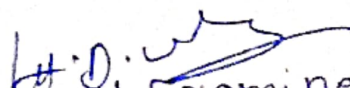
CERTIFICATE

This is to certify that the project entitled "SMART HELMET FOR MINING WORKERS", is the bonafied work done by LBHAVYA (Y19EC2612) under the guidance and supervision of Ms.T.SOWMYA, Assistant Professor, Department of ECE, BWEC submitted in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering (ECE) under Acharya Nagarjuna University during the academic year 2022-2023.


 Project Guide:
 Ms.T.Sowmya, M.Tech
 Assistant Professor
 Dept. of ECE, BWEC
 Bapatla


 Head of the Department
 Mrs.B.Maha Lakshmi, M.Tech, (Ph.D)
 Assistant Professor
 Dept. of ECE, BWEC
 Bapatla

Head, Department of ECE
 Bapatla Women's Engineering College
 BAPATLA


 External Examiner

Department of Electronics and Communication Engineering
BAPATLA WOMEN'S ENGINEERING COLLEGE

(Affiliated to Acharya Nagarjuna University)

CERTIFICATE



This to certify that the Project entitled " SMART HELMET FOR MINING WORKERS" is the Bonafide record of work done by M.Sindhu Priya (Y19EC2623) under the guidance and supervision of Ms.T.Sowmya M.Tech,Asst. Professor,Department of ECE,BWEC submitted in partial fulfilment of requirements for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering (ECE) by Acharya Nagarjuna University during the academic year 2022 – 2023.

Project Guide:
Ms. T.Sowmya, M.Tech
Asst. Professor
Department of ECE
BWEC
Bapatla

Head of the Department,
Mrs. B. Mahalakshmi, (Ph.D)
Asst. Professor
Department of ECE
BWEC
Bapatla

Head, Department of ECE
Bapatla Women's Engineering College
BAPATLA

External Examiner

Y19EC2621

CERTIFICATE



This is to certify that the project entitled "Fire Detection and Alerting System Using Raspberry Pi", is the bonafied work done by K. Koushika Sai (Y19EC2621) under the guidance and supervision of Ms. M. BHAVANI, Assistant Professor, Department of ECE, BWEC submitted in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering (ECE) under Acharya Nagarjuna University during the academic year 2022-2023.

Blm
28/1/23
Project Guide:

Ms. M. Bhavani, M. Tech
Assistant Professor
Dept. of ECE, BWEC
Bapatla

B. Maha Lakshmi
28/1/23
Head of the Department

B. Maha Lakshmi, M. Tech, (Ph. D)
Assistant Professor
Dept. of ECE, BWEC
Bapatla

Head, Department of ECE
Bapatla Women's Engineering College
BAPATLA

H.D. ...
External Examiner

CERTIFICATE



This is to certify that the project entitled "Fire Detection and Alerting System Using Raspberry Pi", is the bonafied work done by K. Bhavana (Y19EC2617) under the guidance and supervision of Ms. M. BHAVANI, Assistant Professor, Department of ECE, BWEC submitted in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering (ECE) under Acharya Nagarjuna University during the academic year 2022-2023.

MSL
28/4/23
Project Guide:

Ms. M. Bhavani, M. Tech
Assistant Professor
Dept. of ECE, BWEC
Bapatla

B. Maha Lakshmi
28/4/23
Head of the Department

B. Maha Lakshmi, M. Tech, (Ph. D)
Assistant Professor
Dept. of ECE, BWEC
Bapatla

Head, Department of ECE
Bapatla Women's Engineering College
BAPATLA

B. D. V. S.
External Examiner

Department of Electronics and Communication Engineering
BAPATLA WOMEN'S ENGINEERING COLLEGE
(Affiliated to Acharya Nagarjuna University)



CERTIFICATE

This is to certify that the project entitled "Fire Detection and Alerting System Using Raspberry Pi", is the bonafied work done by **P. Gayathri(Y19EC2634)**, under the guidance and supervision of **Ms. M. Bhavani**, M. Tech Assistant Professor, Department of ECE, BWEC submitted in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering (ECE) under Acharya Nagarjuna University during the academic year 2022- 2023.

Bhavan
28/4/23
Project Guide:

Ms. M. Bhavani, M.Tech
Assistant Professor
Dept. of ECE, BWEC
Bapatla

B. Mahalakshmi
28/4/23
Head of the Department

Mrs.B.MahaLakshmi, M.Tech,(ph.D)
Assistant Professor
Dept. of ECE, BWEC
Bapatla

Head, Department of ECE
Bapatla Women's Engineering College
BAPATLA

External Examiner
External Examiner

CERTIFICATE



This is to certify that the project entitled "Fire Detection and Alerting System Using Raspberry Pi", is the bonafied work done by P. Anitha (Y19EC2632) under the guidance and supervision of Ms. M. BHAVANI, Assistant Professor, Department of ECE, BWEC submitted in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering (ECE) under Acharya Nagarjuna University during the academic year 2022-2023.

936
28/11/23
Project Guide:
Ms. M. Bhavani, M. Tech
Assistant Professor
Dept. of ECE, BWEC
Bapatla

B. Maha Lakshmi
28/11/23
Head of the Department
B. Maha Lakshmi, M. Tech, (Ph. D)
Assistant Professor
Dept. of ECE, BWEC
Bapatla

Head, Department of ECE
Bapatla Women's Engineering College
BAPATLA

Let D.V
External Examiner

CERTIFICATE



This is to certify that the project entitled "SOLAR WIRELESS ELECTRIC VEHICLE CHARGING SYSTEM", is the bonafide work done by G. JAYA SRAVANI (Y19EC2608), under the guidance and supervision of Mrs. P. SRI HARITHA, Assistant Professor, Department of ECE, BWEC submitted in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering (ECE) affiliated to Acharya Nagarjuna University during the academic year 2022-2023.

P. Sri Haritha
Project Guide

Mrs. P. Sri Haritha, M. Tech,
Assistant Professor,
Dept. of ECE, BWEC,
Bapatla.

B. Mahalakshmi
Head of the Department 28/11/23

Mrs. B. Mahalakshmi, M. Tech, (Ph. D),
Assistant Professor,
Dept. of ECE, BWEC,
Bapatla.

Head, Department of ECE
Bapatla Women's Engineering College
BAPATLA

H. D. W.
External Examiner

CERTIFICATE



This is to certify that the project entitled "SOLAR WIRELESS ELECTRIC VEHICLE CHARGING SYSTEM", is the bonafide work done by **G. LAHARI (Y19EC2610)**, under the guidance and supervision of **Mrs. P. SRI HARITHA**, Assistant Professor, Department of ECE, BWEC submitted in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering (ECE) affiliated to Acharya Nagarjuna University during the academic year 2022-2023.

P. Sri Haritha
Project Guide

Mrs. P. Sri Haritha, M. Tech,
Tech. (Ph.D), Assistant Professor,
Dept. of ECE, BWEC,
Bapatla.

B. Mahalakshmi
Head of the Department 28/4/23

Mrs. B. Mahalakshmi, M. Tech (Ph.D)
Assistant Professor,
Dept. of ECE, BWEC,
Bapatla.

Head, Department of ECE
Bapatla Women's Engineering College
BAPATLA

W. D. S. J.
External Examiner

CERTIFICATE



This is to certify that the project entitled "SOLAR WIRELESS ELECTRIC VEHICLE CHARGING SYSTEM", is the bonafide work done by **G. PAVANI (Y19EC2609)**, under the guidance and supervision of **Mrs. P. SRI HARITHA**, Assistant Professor, Department of ECE, BWEC submitted in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering (ECE) affiliated to Acharya Nagarjuna University during the academic year 2022-2023.

P. Sri Haritha
Project Guide

Mrs. P. Sri Haritha, M. Tech,
Assistant Professor,
Dept. of ECE, BWEC,
Bapatla.

B. Mahalakshmi
Head of the Department 28/4/23

Mrs. B. Mahalakshmi, M. Tech, (Ph. D),
Assistant Professor,
Dept. of ECE, BWEC,
Bapatla.

Head, Department of ECE
Bapatla Women's Engineering College
BAPATLA

L.H.D.
External Examiner

CERTIFICATE



This is to certify that the project entitled "SOLAR WIRELESS ELECTRIC VEHICLE CHARGING SYSTEM", is the bonafide work done by P. NAVEENA (Y19EC2628) under the guidance and supervision of Mrs. P. SRI HARITHA, Assistant Professor, Department of ECE, BWEC submitted in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering (ECE) affiliated to Acharya Nagarjuna University during the academic year 2022-2023.

P. Sri Haritha
Project Guide

Mrs. P. Sri Haritha, M. Tech,
Tech, (Ph.D), Assistant Professor,
Dept. of ECE, BWEC,
Bapatla.

B. Mahalakshmi
Head of the Department *25/9/23*

Mrs. B. Mahalakshmi, M.Tech (Ph.D)
Assistant Professor,
Dept. of ECE, BWEC,
Bapatla.

Head, Department of ECE
Bapatla Women's Engineering College
BAPATLA

H. D. S.
External Examiner

Department of Electronics and Communication Engineering
BAPATLA WOMEN'S ENGINEERING COLLEGE
 (Affiliated to Acharya Nagarjuna University)



CERTIFICATE

This is certify that the project work report on "Alcohol Detection Alert System In Vehicle Using IoT" is done by M. Charulatha (Y19EC2622), under the guidance and supervision of Mrs. R. Lavanya, Asst. professor submitted in partial fulfilment for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering by Acharya Nagarjuna University during the academic year of 2022 - 2023.

R. Lavanya
PROJECT GUIDE:

B. Mahalakshmi
HEAD OF THE DEPARTMENT:

Smt. R. Lavanya, M. Tech (Ph.D.)
 Asst. Professor
 Department of ECE
 BWEC, Bapatla.

Smt. B. Maha Lakshmi, M. Tech (Ph.D.)
 Head of Department
 Department of ECE
 BWEC, Bapatla.

Head, Department of ECE
 Bapatla Women's Engineering College
 BAPATLA

[Signature]
 External Examiner

Department of Electronics and Communication Engineering

BAPATLA WOMEN'S ENGINEERING COLLEGE

(Affiliated to Acharya Nagarjuna University)



CERTIFICATE

This is certify that the project work report on "Alcohol Detection Alert System In Vehicle Using IoT" is done by A. PRAVALLIKA (Y19EC2602), under the guidance and supervision of Mrs. R. Lavanya, Asst. professor submitted in partial fulfilment for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering by Acharya Nagarjuna University during the academic year of 2022 – 2023.

R. Lavanya
PROJECT GUIDE:

Smt. R. Lavanya, M. Tech (Ph.D.)

Asst. Professor

Department of ECE

BWEC, Bapatla.

B. Mahalakshmi
HEAD OF THE DEPARTMENT:
28/4/23

Smt. B. Maha Lakshmi, M. Tech (Ph.D.)

Head of Department

Department of ECE

BWEC, Bapatla.

Head, Department of ECE
Bapatla Women's Engineering College
BAPATLA

External Examiner

Department of Electronics and Communication Engineering
BAPATLA WOMEN'S ENGINEERING COLLEGE
 (Affiliated to Acharya Nagarjuna University)



CERTIFICATE

This is certify that the project work report on "Alcohol Detection Alert System In Vehicle Using IoT" is done by K.HARIKA (YI9EC2615), under the guidance and supervision of Mrs. R. Lavanya, Asst. professor submitted in partial fulfilment for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering by Acharya Nagarjuna University during the academic year of 2022 – 2023.

R. Lavanya

PROJECT GUIDE:

Smt. R. Lavanya, M. Tech (Ph.D.)

Asst. Professor

Department of ECE

BWEC, Bapatla.

B. Maha Lakshmi

HEAD OF THE DEPARTMENT:

28/4/23

Smt. B. Maha Lakshmi, M. Tech (Ph.D.)

Head of Department

Department of ECE

BWEC, Bapatla.

Head, Department of ECE
 Bapatla Women's Engineering College
 BAPATLA

[Signature]
 External Examiner

CERTIFICATE



This is to certify that the project entitled "PERFORMANCE ANALYSIS AND ENHANCEMENT OF PROBE FEED PATCH ANTENNA USING PARAMETRIC ANALYSIS IN HFSS" is the bonafied work done by T.V.V.JAYASRI (Y19EC2648) under the guidance and supervision of Ms. E.SUMALATHA, Assistant Professor, Dept. of ECE, BWEC submitted in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology (B.Tech) in Electronics and Communication Engineering (ECE) affiliated to Acharya Nagarjuna University during the academic year 2022-2023.

Guide

E. Sumalatha 27/4/2023

Ms. E. Sumalatha, M. Tech

Asst. Professor

Dept. of ECE

BWEC, Bapatla

Head of the Department

B. Mahalakshmi

Mrs. B. Mahalakshmi, M. Tech, (Ph.D.)

Asst. Professor *28/4/23*

Dept. of ECE

BWEC, Bapatla

Head, Department of ECE
Bapatla Women's Engineering College
BAPATLA

Let D
External Examiner

CERTIFICATE



This is to certify that the project entitled "PERFORMANCE ANALYSIS AND ENHANCEMENT OF PROBE FEED PATCH ANTENNA USING PARAMETRIC ANALYSIS IN HFSS" is the bonafied work done by A.KUSUMA (L20EC2724), under the guidance and supervision of Ms. E.SUMALATHA, Assistant Professor, Dept. of ECE, BWEC submitted in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology (B.Tech) in Electronics and Communication Engineering (ECE) affiliated to Acharya Nagarjuna University during the academic year 2022-2023.

Guide

E. Sumalatha 27/4/2023

Ms. E.Sumalatha, M. Tech

Asst. Professor

Dept. of ECE

BWEC, Bapatla

Head of the Department

B. Mahalakshmi

Mrs. B. MahaLakshmi, M. Tech, (Ph.D.)

Asst. Professor

25/4/23

Dept. of ECE

BWEC, Bapatla

Head, Department of ECE
Bapatla Women's Engineering College
BAPATLA

External Examiner

CERTIFICATE



This is to certify that the project entitled "PERFORMANCE ANALYSIS AND ENHANCEMENT OF PROBE FEED PATCH ANTENNA USING PARAMETRIC ANALYSIS IN HFSS" is the bonafied work done by M.MOUNYA SREE MAHALAKSHMI (L20EC2738) under the guidance and supervision of Ms. E.SUMALATHA, Assistant Professor, Dept. of ECE, BWEC submitted in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology (B.Tech) in Electronics and Communication Engineering (ECE) affiliated to Acharya Nagarjuna University during the academic year 2022-2023.

Guide

E. Sumalatha 27/4/2023

Ms. E.Sumalatha, M. Tech

Asst. Professor

Dept. of ECE

BWEC, Bapatla

Head of the Department

B. Mahalakshmi
Mrs. B. Mahalakshmi, M. Tech, (Ph.D.)

Asst. Professor 27/4/23

Dept. of ECE

BWEC, Bapatla

Head, Department of ECE
Bapatla Women's Engineering College
BAPATLA

W. D.
External Examiner

CERTIFICATE



This is to certify that the project entitled "PERFORMANCE ANALYSIS AND ENHANCEMENT OF PROBE FEED PATCH ANTENNA USING PARAMETRIC ANALYSIS IN HFSS" is the bonafied work done by A.NAGALAKSHMI (L20EC2722) under the guidance and supervision of Ms. E.SUMALATHA, Assistant Professor, Dept. of ECE, BWEC submitted in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology (B.Tech) in Electronics and Communication Engineering (ECE) affiliated to Acharya Nagarjuna University during the academic year 2022-2023.

Guide

E. Sumalatha 27/4/2023

Ms. E.Sumalatha, M. Tech

Asst. Professor

Dept. of ECE

BWEC, Bapatla

Head of the Department

B. Mahalakshmi
Mrs. B. Mahalakshmi, M. Tech, (Ph.D.)

Asst. Professor

Dept. of ECE

BWEC, Bapatla

Head, Department of ECE
Bapatla Women's Engineering College
BAPATLA

Ext. D
External Examiner

Department of Electronics and Communication Engineering
BAPATLA WOMEN'S ENGINEERING COLLEGE
(Affiliated to Acharya Nagarjuna University)



CERTIFICATE

This is to certify that the Project report on "DESIGN OF DUAL BAND L-SHAPED MIMO ANTENNA FOR 5G MM WAVE APPLICATIONS" is the bonafide record of work done by CH. USHA (L20EC2726) under the guidance and supervision of Smt. G. KALYANI Assistant Professor, Department Of ECE, BWEC submitted in partial fulfilment of the requirements for the Award of Degree of Bachelor of Technology in Electronics And Communication Engineering (ECE) under Acharya Nagarjuna University During the academic year 2022-2023.

G. Kalyani
Project Guide: 10/10/23

Smt. G. Kalyani, M. Tech, (Ph.D)

Asst. Professor

Dept. of ECE

BWEC, Bapatla

B. Mahalaxmi
Head of the Department of ECE
Bapatla Women's Engineering College

Mrs. B. Mahalaxmi, M. Tech, (Ph.D)

Asst. Professor

Dept. of ECE

BWEC, Bapatla

External Examiner

Department of Electronics and Communication Engineering
BAPATLA WOMEN'S ENGINEERING COLLEGE
(Affiliated to Acharya Nagarjuna University)



CERTIFICATE

This is to certify that the Project report on "DESIGN OF DUAL-BAND L-SHAPED MIMO ANTENNA FOR 5G MM WAVE APPLICATIONS" is the bonafide record of work done by S. HEMA SRI BHAVANI (Y19EC2645) under the guidance and supervision of Smt. G. KALYANI Assistant Professor, Department Of ECE, BWEC submitted in partial fulfilment of the requirements for the Award of Degree of Bachelor of Technology in Electronics And Communication Engineering (ECE) under Acharya Nagarjuna University During the academic year 2022-2023.

G. Kalyani
Project Guide: 01/05/23

Smt. G. Kalyani, M. Tech, (Ph.D)

Asst. Professor

Dept. of ECE

BWEC, Bapatla

B. Mahalakshmi
Head of the Department
Bapatla Women's Engineering College
BAPATLA

Mrs. B. Mahalakshmi, M. Tech, (Ph.D)

Asst. Professor

Dept. of ECE

BWEC, Bapatla

Dr. D. J.
External Examiner

Department of Electronics and Communication Engineering
BAPATLA WOMEN'S ENGINEERING COLLEGE
(Affiliated to Acharya Nagarjuna University)



CERTIFICATE

This is to certify that the Project report on "DESIGN OF DUAL-BAND L-SHAPED MIMO ANTENNA FOR 5G MM WAVE APPLICATIONS" is the bonafide record of work done by.Y. DEVAPRIYA(Y19EC2652) under the guidance and supervision of Smt. G. KALYANI Assistant Professor, Department Of ECE, BWEC submitted in partial fulfilment of the requirements for the Award of Degree of Bachelor of Technology in Electronics And Communication Engineering (ECE) under Acharya Nagarjuna University During the academic year 2022-2023.

G. Kalyani
10/11/23
Project Guide:

Smt. G. Kalyani, M. Tech, (Ph.D)

Asst. Professor

Dept. of ECE

BWEC, Bapatla

B. Mahalakshmi
Head of the Department
Bapatla Women's Engineering College
Mrs. B. Mahalakshmi, M. Tech, (Ph.D)

Asst. Professor

Dept. of ECE

BWEC, Bapatla

[Signature]
External Examiner

Department of Electronics and Communication Engineering
BAPATLA WOMEN'S ENGINEERING COLLEGE
(Affiliated to Acharya Nagarjuna University)



CERTIFICATE

This is to certify that the Project report on "DESIGN OF DUAL-BAND L-SHAPED MIMO ANTENNA FOR 5G MM WAVE APPLICATIONS" is the bonafide record of work done by K. YAMINI (Y19EC2651) under the guidance and supervision of Smt. G. KALYANI Assistant Professor, Department Of ECE, BWEC submitted in partial fulfilment of the requirements for the Award of Degree of Bachelor of Technology in Electronics And Communication Engineering (ECE) under Acharya Nagarjuna University During the academic year 2022-2023.

G. Kalyani
01/05/23
Project Guide:

Smt. G. Kalyani, M. Tech, (Ph.D)

Asst. Professor

Dept. of ECE

BWEC, Bapatla

B. Mahabala
Head of the Department, ECE
Bapatla Women's Engineering College
Mrs. B. Mahabala, M. Tech, (Ph.D)

Asst. Professor

Dept. of ECE

BWEC, Bapatla

Dr. D. V. S. Rao
External Examiner

CERTIFICATE



This is to certify that the project entitled " **Dual-Band Nona Aperture SIW Embedded Dielectric Resonator Antenna For 5G mm-Wave Applications**", is the bonafied work done by **P. Ramya Vani (Y19EC2639)**, under the guidance and supervision of **Mrs. Divya Gudapati, M. Tech, (Ph. D)**, Assistant Professor, Department of ECE, BWEC submitted in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering under Acharya Nagarjuna University during the academic year 2022-2023.

Project Guide *G. Divya* 28/4/23
Mrs. G. Divya, M. Tech, (Ph.D)
Assistant Professor
Dept. of ECE, BWEC
Bapatla

B. Mahalakshmi
Head of the Department 28/4/23
Mrs. B. Mahalakshmi, M. Tech, (Ph.D)
Assistant Professor BAPATLA
Dept. of ECE, BWEC
Bapatla

H. D. J.
External Examiner

CERTIFICATE



This is to certify that the project entitled " **Dual-Band Nona Aperture SIW Embedded Dielectric Resonator Antenna For 5G mm-Wave Applications**", is the bonafied work done by **S.Venkataramana(Y19EC2642)**, under the guidance and supervision of **Mrs. Divya Gudapati, M. Tech, (Ph. D)**, Assistant Professor, Department of ECE, BWEC submitted in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering under Acharya Nagarjuna University during the academic year 2022-2023.

Project Guide *G. Divya* 28/4/23

Mrs. G. Divya, M. Tech, (Ph. D)

Assistant Professor

Dept. of ECE, BWEC

Bapatla

B. Mahalakshmi
Head of the Department

Mrs. B. MahaLakshmi, M. Tech, (Ph.D)

Assistant Professor

Dept. of ECE, BWEC

Bapatla

External Examiner

CERTIFICATE



This is to certify that the project entitled " **Dual-Band Nona Aperture SIW Embedded Dielectric Resonator Antenna For 5G mm-Wave Applications**", is the bonafied work done by **G. Gowthami(L20EC2730)**, under the guidance and supervision of **Mrs. Divya Gudapati, M. Tech, (Ph. D)**, Assistant Professor, Department of ECE, BWEC submitted in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering under Acharya Nagarjuna University during the academic year 2022-2023.

Project Guide *G. Gowthami*
28/1/23

Mrs. G. Divya, M. Tech, (Ph.D)

Assistant Professor

Dept. of ECE, BWEC

Bapatla

B. Mahalakshmi
Head of the Department

Mrs. B. Mahalakshmi, M. Tech, (Ph.D)

Assistant Professor
Bapatla Women's Engineering College
BAPATLA

Dept. of ECE, BWEC

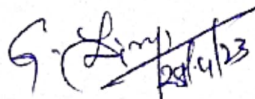
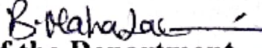

Bapatla


H. D. J.
External Examiner

CERTIFICATE



This is to certify that the project entitled " **Dual-Band Nona Aperture SIW Embedded Dielectric Resonator Antenna For 5G mm-Wave Applications**", is the bonafied work done by **M. VasumaTeja(L20EC2737)** under the guidance and supervision of **Mrs. Divya Gudapati, M. Tech, (Ph. D)**, Assistant Professor, Department of ECE, BWEC submitted in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering under Acharya Nagarjuna University during the academic year 2022-2023.

Project Guide 	Head of the Department 
Mrs. G. Divya, M. Tech, (Ph.D)	Mrs. B. MahaLakshmi, M. Tech, (Ph.D)
Assistant Professor	Assistant Professor
Dept. of ECE, BWEC	Dept. of ECE, BWEC 
Bapatla	Bapatla


External Examiner

Department of Electronics and Communication Engineering

BAPATLA WOMEN'S ENGINEERING COLLEGE

(Affiliated to Acharya Nagarjuna University)



CERTIFICATE

This is to certify that the Project entitled "DESIGN OF LOW POWER SINGLEPRECISION FLOATING POINT MULTIPLIER" is the bonafied work done by K.Krishnaveni (L20EC2734), under the guidance and supervision of Mrs.A.V. MUTYALAMMA, Asst.Professor, M.Tech submitted in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology in Electronics And Communication Engineering affiliated to Acharya Nagarjuna University during the academic year 2022-2023.

Guide: A.V. mutyalu.
28/04/2023.
Mrs. A.V. Mutyalamma, M.Tech

Asst. Professor
Dept. of ECE
BWEC, Bapatla

B. Mahadev
Head of the Department:
Head, Department of ECE
Bapatla Women's Engineering College
Mrs. B. Mahalakshmi, M.Tech (Ph.D)

Asst. Professor
Dept. of ECE
BWEC, Bapatla

External Examiner

(Affiliated to Acharya Nagarjuna University)



CERTIFICATE

This is to certify that the Project entitled "DESIGN OF LOW POWER SINGLE PRECISION FLOATING POINT MULTIPLIER" is the bonafied work done by S.SIVANANDINI(Y19EC2641), under the guidance and supervision of Mrs.A.V. MUTYALAMMA, Asst.Professor, M.Tech submitted in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology in Electronics And Communication Engineering affiliated to Acharya Nagarjuna University during the academic year 2022-2023.

Guide: A.V. mutyalam 28/04/23
Mrs. A.V. Mutyalamma, M.Tech

Asst. Professor
Dept. of ECE
BWEC, Bapatla

B. Mahalakshmi 3
Head of the Department 28/04/23
Mrs. B. Maha Lakshmi, M. Tech, (Ph.D)

Asst. Professor, Head, Department of ECE
Bapatla Women's Engineering College
BAPATLA
BWEC, Bapatla

External Examiner

Department of Electronics and Communication Engineering

BAPATLA WOMEN'S ENGINEERING COLLEGE

(Affiliated to Acharya Nagarjuna University)



CERTIFICATE

This is to certify that the Project entitled "DESIGN OF LOW POWER SINGLE PRECISION FLOATING POINT MULTIPLIER" is the bonafied work done by A.Dharani (L20EC2723) under the guidance and supervision of Mrs.A.V.MUTYALAMMA, Asst.Professor, Dept. of ECE, BWEC submitted in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology in Electronics And Communication Engineering affiliated to Acharya Nagarjuna University during the academic year 2022-2023.

Guide: A.V. mutyalam
28/04/2023.

Mrs. A.V. Mutyalamma, M.Tech

Asst. Professor

Dept. of ECE

BWEC, Bapatla

B. Maha Lakshmi
Head of the Department
28/4/23

Mrs. B. Maha Lakshmi
Head, Department of ECE
Bapatla Women's Engineering College
BAPATLA

Asst. Professor

Dept. of ECE

BWEC, Bapatla

Let. D.
External Examiner

Department of Electronics and Communication Engineering
BAPATLA WOMEN'S ENGINEERING COLLEGE
(Affiliated to Acharya Nagarjuna University)



CERTIFICATE

This is to certify that the Project entitled "DESIGN OF LOW POWER SINGLEPRECISION FLOATING POINT MULTIPLIER" is the bonafied work done by N.Swathi Vijaya Lakshmi (L20EC2739). under the guidance and supervision of Mrs.A.V. MUTYALAMMA, Asst.Professor, M.Tech submitted in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology in Electronics And Communication Engineering affiliated to Acharya Nagarjuna University during the academic year 2022-2023.

Guide: A.V. mutyalu.
28/04/2023
Mrs. A.V. Mutyalamma ,M.Tech

Asst. Professor
Dept. of ECE
BWEC, Bapatla

B. Bhavadan
Head of the Department
Mrs. B. Maha Lakshmi
Asst. Professor
Dept. of ECE
BWEC, Bapatla
Head, Department of ECE
Bapatla Women's Engineering College
BAPATLA (Ph.D)

External Examiner

Department of Electronics and Communication Engineering
BAPATLA WOMEN'S ENGINEERING COLLEGE
(Affiliated to Acharya Nagarjuna University)

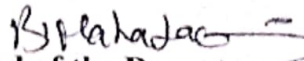
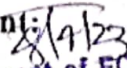


CERTIFICATE

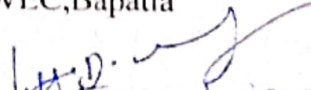
This is to certify that the Project report on "Design and implementation of High Speed Multiplier using Parallel Prefix Adder" is the bonafide record of work done by K.Madhavi Raja Rajeswari (L20EC2732) under the guidance and supervision of Smt.K.SRILATHA submitted in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering by Acharya Nagarjuna University During the academic year 2022-2023.


Project Guide:

Mrs. K. Srilatha
Asst. Professor
Department of ECE
BWEC,Bapatla


Head of the Department:

Mrs. B. Mahalakshmi, Department of ECE
Asst. Professor, Bapatla Women's Engineering College
BAPATLA

Department of ECE
BWEC,Bapatla


External Examiner

Department of Electronics and Communication Engineering
BAPATLA WOMEN'S ENGINEERING COLLEGE
(Affiliated to Acharya Nagarjuna University)



CERTIFICATE

This is to certify that the Project report on "Design and implementation of High Speed Multiplier using Parallel Prefix Adder" is the bonafide record of work done by N.MYDHILI (L20EC2740) under the guidance and supervision of Smt.K.SRILATHA submitted in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering by Acharya Nagarjuna University During the academic year 2022-2023.

[Signature]
28/4/23
Guide:

Mrs.K.Srilatha
Asst. Professor
Department of ECE
BWEC,Bapatla

[Signature]
Head of the Department
Department of ECE
Bapatla Women's Engineering College
8/3/23

Mrs. B. Mahalaxmi, M.Tech (Ph.D.)

Asst. Professor
Department of ECE
BWEC,Bapatla

[Signature]
External Examiner

Department of Electronics and Communication Engineering
BAPATLA WOMEN'S ENGINEERING COLLEGE
(Affiliated to Acharya Nagarjuna University)

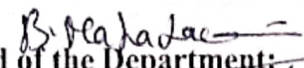
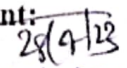
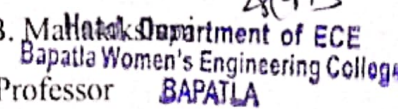


CERTIFICATE

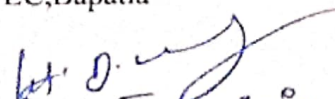
This is to certify that the Project report on "Design and implementation of High Speed Multiplier using Parallel Prefix Adder" is the bonafide record of work done by K.Hima Bindhu (L20EC2733) under the guidance and supervision of Smt.K.SRILATHA submitted in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering by Acharya Nagarjuna University During the academic year 2022-2023.


Project Guide:

Mrs. K. Srilatha
Asst. Professor
Department of ECE
BWEC,Bapatla


Head of the Department: 
Mrs. B. Mahalakshmi
Asst. Professor 

Department of ECE
BWEC,Bapatla


External Examiner

Department of Electronics and Communication Engineering
BAPATLA WOMEN'S ENGINEERING COLLEGE
(Affiliated to Acharya Nagarjuna University)

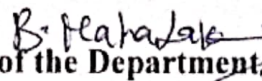


CERTIFICATE

This is to certify that the Project report on "Design and implementation of High Speed Multiplier using Parallel Prefix Adder" is the bonafide record of work done by SK.SAJIDA (Y19EC2644) under the guidance and supervision of Smt.K.SRILATHA submitted in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering by Acharya Nagarjuna University During the academic year 2022-2023.

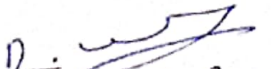

Project Guide:

Mrs.K.Srilatha
Asst. Professor
Department of ECE
BWEC,Bapatla


Head of the Department:

Mrs. B. Mahalakshmi, M.T.
Asst. Professor
Department of ECE
BWEC,Bapatla

Head, Department of ECE
Bapatla Women's Engineering College
BAPATLA


External Examiner

Department of Electronics and Communication
Engineering

BAPATLA WOMEN'S ENGINEERING COLLEGE

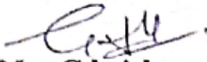
(Affiliated to Acharya Nagarjuna University)



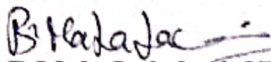
CERTIFICATE

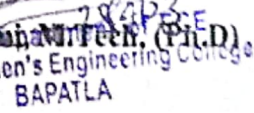
This is to certify that the project entitled "IOT BASED SMART ACCIDENT DETECTION FOR REAL TIME APPLICATIONS", is the bonafied work done by CH.VENKATA KALYANI (Y19EC2653) under the guidance and supervision of Mrs. G. KRISHNAVENI, Assistant Professor, Department of ECE, BWEC submitted in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering (ECE) under Acharya Nagarjuna University during the academic year 2022-2023.

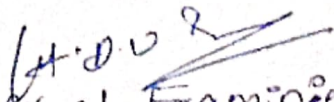
Project Guide


Mrs.G.krishnaveni, M.Tech, (Ph.D)
Assistant Professor
Dept. of ECE
BWEC, Bapatla

Head of the Department


Mrs.B.Mahalakshmi, M.Tech, (Ph.D)
Assistant Professor
Dept. of ECE
BWEC, Bapatla




External Examiner

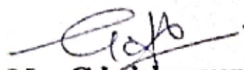
**Department of Electronics and Communication
Engineering**
BAPATLA WOMEN'S ENGINEERING COLLEGE
(Affiliated to Acharya Nagarjuna University)



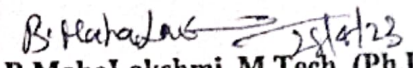
CERTIFICATE

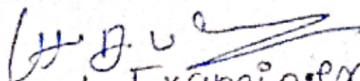
This is to certify that the project entitled "IOT BASED SMART ACCIDENT DETECTION FOR REAL TIME APPLICATIONS", is the bonafied work done by M. SWETHA (Y19EC2647), under the guidance and supervision of Mrs. G. KRISHNAVENI, Assistant Professor, Department of ECE, BWEC submitted in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering (ECE) under Acharya Nagarjuna University during the academic year 2022-2023.

Project Guide


Mrs.G.krishnaveni, M.Tech, (Ph.D)
Assistant Professor
Dept. of ECE
BWEC, Bapatla

Head of the Department


Mrs.B.MahaLakshmi, M.Tech, (Ph.D)
Assistant Professor
Dept. of ECE
BWEC, Bapatla


External Examiner

Department of Electronics and Communication
Engineering

BAPATLA WOMEN'S ENGINEERING COLLEGE


(Affiliated to Acharya Nagarjuna University)



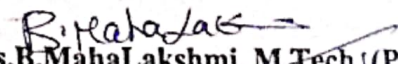
CERTIFICATE

This is to certify that the project entitled "IOT BASED SMART ACCIDENT DETECTION FOR REAL TIME APPLICATIONS", is the bonafied work done by P. ISWARYA (Y19EC2638), under the guidance and supervision of Mrs. G. KRISHNAVENI, Assistant Professor, Department of ECE, BWEC submitted in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering (ECE) under Acharya Nagarjuna University during the academic year 2022-2023.

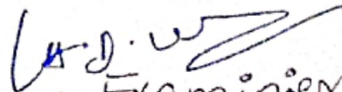
Project Guide


Mrs. G. Krishnaveni, M.Tech, (Ph.D)
Assistant Professor
Dept. of ECE
BWEC, Bapatla

Head of the Department


Mrs. B. Mahalakshmi, M.Tech, (Ph.D)
Assistant Professor
Dept. of ECE
BWEC, Bapatla

Department of ECE
Bapatla Women's Engineering College
BAPATLA


External Examiner

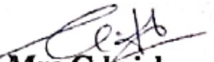
**Department of Electronics and Communication
Engineering**
BAPATLA WOMEN'S ENGINEERING COLLEGE
(Affiliated to Acharya Nagarjuna University)



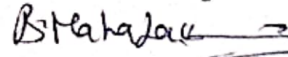
CERTIFICATE

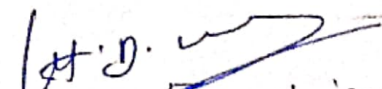
This is to certify that the project entitled “**IOT BASED SMART ACCIDENT DETECTION FOR REAL TIME APPLICATIONS**”, is the bonafied work done by **M. HIMABINDHU(L20EC2735)**, under the guidance and supervision of **Mrs. G. KRISHNAVENI**, Assistant Professor, Department of ECE, BWEC submitted in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering (ECE) under Acharya Nagarjuna University during the academic year 2022-2023.

Project Guide


Mrs.G.krishnaveni,M.Tech, (Ph.D)
Assistant Professor
Dept. of ECE
BWEC, Bapatla

Head of the Department


Mrs.B.MahaLakshmi, M.Tech, (Ph.D)
Assistant Professor
Dept. of ECE
Head, Department of ECE
Bapatla Women's Engineering College
BWEC, Bapatla BAPATLA


External Examiner

Department of Electronics and Communication Engineering
BAPATLA WOMEN'S ENGINEERING COLLEGE
(Affiliated to Acharya Nagarjuna University)



CERTIFICATE

This is to certify that the Project report on "A METHOD TO DETECT DISEASED PLANT LEAVES USING IMAGE PROCESSING IN MATLAB" is the bonafide record of work done by M.PAVANI (L20EC2736) under the guidance and supervision of Mrs. E. SUNEETHA, Assistant. Professor, Dept. of ECE, BWEC submitted in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering by Acharya Nagarjuna University during the academic year 2022-2023.

E. Suneetha
Guide:

Mrs. E. Suneetha, M.Tech (Ph.D.)

Assistant. Professor

Department of ECE

BWEC, Bapatla

Head, Department of ECE
Bapatla Women's Engineering College
BAPATLA

B. Mahalakshmi
Head of the Department:

Mrs. B. Mahalakshmi, M.Tech (Ph.D.)

Assistant. Professor

Department of ECE

BWEC, Bapatla

H. D. S.
External Examiner

Department of Electronics and Communication Engineering
BAPATLA WOMEN'S ENGINEERING COLLEGE
(Affiliated to Acharya Nagarjuna University)



CERTIFICATE

This is to certify that the Project report on "A METHOD TO DETECT DISEASED PLANT LEAVES USING IMAGE PROCESSING IN MATLAB" is the bonafide record of work done by SK. AKRIMUNNISA (Y19EC2643) under the guidance and supervision of Mrs. E. SUNEETHA, Assistant. Professor, Dept. of ECE, BWEC submitted in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering by Acharya Nagarjuna University during the academic year 2022-2023.

E. Suneetha
Guide:

Mrs.E.Suneetha, M.Tech (Ph.D)

Assistant. Professor

Department of ECE

BWEC, Bapatla

Head, Department of ECE
Bapatla Women's Engineering College
BAPATLA
B. Mahalakshmi
Head of the Department:

Mrs.B.Mahalakshmi, M.Tech (Ph.D)

Assistant. Professor

Department of ECE

BWEC, Bapatla

Utho
External Examiner

Department of Electronics and Communication Engineering
BAPATLA WOMEN'S ENGINEERING COLLEGE
(Affiliated to Acharya Nagarjuna University)



CERTIFICATE

This is to certify that the Project report on "A METHOD TO DETECT DISEASED PLANT LEAVES USING IMAGE PROCESSING IN MATLAB" is the bonafide record of work done by Y.PRIYANKA (L20EC2742) under the guidance and supervision of Mrs. E. SUNEETHA, Assistant. Professor, Dept. of ECE, BWEC submitted in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering by Acharya Nagarjuna University during the academic year 2022-2023.

E. Suneetha
Guide:

Mrs.E.Suneetha, M.Tech (Ph.D)

Assistant. Professor

Department of ECE

BWEC, Bapatla

B. Mahalakshmi
Head of the Department:

Mrs.B.Mahalakshmi, M.Tech (Ph.D)

Assistant. Professor

Department of ECE

BWEC, Bapatla

L. D. V.
External Examiner

Department of Electronics and Communication Engineering
BAPATLA WOMEN'S ENGINEERING COLLEGE
(Affiliated to Acharya Nagarjuna University)



CERTIFICATE

This is to certify that the Project report on "A METHOD TO DETECT DISEASED PLANT LEAVES USING IMAGE PROCESSING IN MATLAB" is the bonafide record of work done by GEETHIKA. R (L20EC2729) under the guidance and supervision of Mrs. E. SUNEETHA, Assistant. Professor, Dept. of ECE, BWEC submitted in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering by Acharya Nagarjuna University during the academic year 2022-2023.

E. Suneetha
Guide:

Mrs. Suneetha, M.Tech (Ph.D)
Assistant. Professor
Department of ECE
BWEC, Bapatla

Head, Department of ECE
Bapatla Women's Engineering College
BAPATLA
B. Mahalakshmi
Head of the Department:
22/1/23

Mrs.B.Mahalakshmi, M.Tech (Ph.D)
Assistant. Professor
Department of ECE
BWEC, Bapatla

G. D. ...
External Examiner

Department of Electronics and Communication Engineering

BAPATLA WOMEN'S ENGINEERING COLLEGE
(Affiliated to Acharya Nagarjuna University)



CERTIFICATE

This is to certify that the Project report on "Machine Learning-based Diabetes Classification using Raspberry-Pi" is the bonafide record of work done by R. TEJASWINI (Y19EC2640) under the guidance and supervision of Smt. B. MAHALAKSHMI submitted in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering by Acharya Nagarjuna University During the academic year 2022-2023.

B. Mahalakshmi
Guide
28/4/23

Mrs. B. Mahalakshmi (Ph.D.)

Asst. Professor

Department of ECE

BWEC, Bapatla

Head, Department of ECE
Bapatla Women's Engineering College
B. Mahalakshmi
Head of the Department
28/4/23

Mrs. B. Mahalakshmi (Ph.D.)

Asst. Professor

Department of ECE

BWEC, Bapatla

U. D. ...
External Examiner

Department of Electronics and Communication Engineering

BAPATLA WOMEN'S ENGINEERING COLLEGE

(Affiliated to Acharya Nagarjuna University)



CERTIFICATE

This is to certify that the Project report on "Machine Learning-based Diabetes Classification using Raspberry-Pi" is the bonafide record of work done by K. SUPRAJA (Y19EC2646) under the guidance and supervision of Smt. B.MAHALAKSHMI submitted in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering by Acharya Nagarjuna University During the academic year 2022-2023.

B. Mahalakshmi
Guide: *28/4/23*

Mrs. B. Mahalakshmi(Ph.D.)

Asst. Professor

Department of ECE

BWEC, Bapatla

B. Mahalakshmi
Head of the Department: *28/4/23*

Mrs. B. Mahalakshmi(Ph.D.)

Asst . Professor

Department of ECE

BWEC, Bapatla

Head, Department of ECE
Bapatla Women's Engineering College
BAPATLA

[Signature]
External Examiner

Department of Electronics and Communication Engineering

BAPATLA WOMEN'S ENGINEERING COLLEGE

(Affiliated to Acharya Nagarjuna University)



CERTIFICATE

This is to certify that the Project report on "Machine Learning-based Diabetes Classification using Raspberry-Pi" is the bonafide record of work done by A. Ramya (L20EC2721) under the guidance and supervision of Smt. B.MAHALAKSHMI submitted in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering by Acharya Nagarjuna University During the academic year 2022-2023.

B. Mahalakshmi
Guide
28/4/23

Mrs. B. Mahalakshmi (Ph.D.)

Asst. Professor

Department of ECE

BWEC, Bapatla

Head, Department of ECE
Bapatla Women's Engineering College
B. Mahalakshmi
BAPATLA

Head of the Department

Mrs. B. Mahalakshmi (Ph.D.)

Asst. Professor

Department of ECE

BWEC, Bapatla

External Examiner

Department of Electronics and Communication Engineering

BAPATLA WOMEN'S ENGINEERING COLLEGE
(Affiliated to Acharya Nagarjuna University)



CERTIFICATE

This is to certify that the Project report on "Machine Learning-based Diabetes Classification using Raspberry-Pi" is the bonafide record of work done by V. Sumythri (Y19EC2650) under the guidance and supervision of Smt. B.MAHALAKSHMI submitted in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering by Acharya Nagarjuna University During the academic year 2022-2023.

B. Mahalakshmi
Guide
28/4/23

Mrs. B. Mahalakshmi (Ph.D.)

Asst. Professor

Department of ECE

BWEC, Bapatla

Head, Department of ECE
Bapatla Women's Engineering College
B. Mahalakshmi
Head of the Department
28/4/23

Mrs. B. Mahalakshmi (Ph.D.)

Asst. Professor

Department of ECE

BWEC, Bapatla

[Signature]
External Examiner