

ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY

(Permanently Affiliated to JNTUK, Approved by AICTE)

Department of Electronics and Communication Engineering



CERTIFICATE

This is to certify that the project report entitled "Quadruped Robot for Disaster Relief" is being submitted by Prajwala Motupalli (18P31A0447), Alluri B Bharath Kumar Varma (18P31A0404), Namu Naveen (18P31A0438) has been carried out in the partial fulfillment of the requirement for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering, Aditya College of Engineering & Technology, Surampalem affiliated to JNTUK, Kakinada is a record of bonafide work carried out by them under my guidance and supervision during the academic period 2021-2022.

Project Guide
Dr. R.V.V. Krishna, M. Tech, Ph. D
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EXTERNAL EXAMINER

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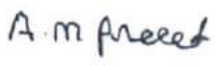
This is to certify that the technical project report entitled "SMART VEST FOR SECURITY PERSONNEL" is being submitted by Pullipudi Siva Mani Subrahmanya Hari Vamsi(18P31A0448), Kampena Krishna Chakradhar Babu(19P35A0403), Rekhapalli Surya Satya Sai Manikanta (18P31A0449), Gariganti Venkata Raghu Sai(18P31A0416) has been carried out in the partial fulfillment of the requirement for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering, Aditya College of Engineering & Technology, Surampalem affiliated to JNTUK, Kakinada is a record of bonafide work carried out by them under my guidance and supervision during the academic period 2021-2022.


Project Guide

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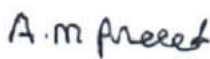


CERTIFICATE

This is to certify that the project report entitled "UNDERWATER IMAGE ENHANCEMENT BASED ON CLAHE AND MULTISCALE FUSION" is being submitted by Mogadala Jyothsna (18P31A0433), S.Raghavendra (19P35A0406), G.Sai Ganesh (18P31A0417), V.Aslesha (18P31A0458) has been carried out in the partial fulfillment of the requirement for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering, Aditya College of Engineering & Technology, Surampalem affiliated to JNTUK, Kakinada is a record of bonafide work carried out by them under my guidance and supervision during the academic period 2021-2022.


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CERTIFICATE

This is to certify that the project report entitled "LOAN PREDICTION USING MACHINE LEARNING" is being submitted by Devulapalli Akhila(18P31A0413),Nallamilli Ramya sri(18P31A0436),Sunkara Manoj Anand(18P31A0452), Bhupathiraju charan(18P31A0408) has been carried out in the partial fulfillment of the requirement for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering, Aditya College of Engineering & Technology, Surampalem affiliated to JNTUK, Kakinada is a record of bonafide work carried out by them under my guidance and supervision during the academic period 2021- 2022.

Kalyani

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CERTIFICATE

This is to certify that the project report entitled "Automatic number plate detection using MATLAB" is being submitted by Nagam Jayakrishna (18P31A0435), Vallabhasetti Prasanthi (18P31A0457), Kaserreddi Satya Mani Abhiram (18P31A0425), Imandi Purna Chandra Venkata Naga Sai (18P31A0418) has been carried out in the partial fulfillment of the requirement for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering, Aditya College of Engineering & Technology, Surampalem affiliated to JNTUK, Kakinada is a record of bonafide work carried out by them under my guidance and supervision during the academic period 2021-2022.

Project Guide

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CERTIFICATE

This is to certify that the project report entitled "SEMANTIC-SUPERVISED INFRARED AND VISIBLE IMAGE FUSION VIA A DUAL-DISCRIMINATOR GENERATIVE ADVERSARIAL NETWORK" is being submitted by N. Hima Naga Bindu (18P31A0439), B. Manojna Srihari (18P31A0407), K. Swaroop (18P31A0427), K. Aswitha (18P31A0420) has been carried out in the partial fulfillment of the requirement for the award of the degree of **Bachelor of Technology in Electronics and Communication Engineering**, Aditya College of Engineering & Technology, Surampalem affiliated to JNTUK, Kakinada is a record of bonafide work carried out by them under my guidance and supervision during the academic period 2021-2022.

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CERTIFICATE

This is to certify that the project report entitled "IMPLEMENTATION AND DESIGN OF SMART BLIND STICK FOR OBSTACLE DETECTION AND NAVIGATION SYSTEM" is being submitted by Bandaru Veera Chandra Sekhar (18P31A0406), Komireddy Gayatri Lokesh (18P31A0426), Biruda Lakshmi Pavani (18P31A0409), Kandipilli Veera Durga Prasad (18P31A0422) has been carried out in the partial fulfillment of the requirement for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering, Aditya College of Engineering & Technology, Surampalem affiliated to JNTUK, Kakinada is a record of bonafide work carried out by them under my guidance and supervision during the academic period 2021-2022.


Project Guide

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CERTIFICATE

This is to certify that the project report entitled "ATOMATIC HAND SANITIZER DISPENSER AND TOUCH-FREE BODY TEMPERATURE SENSING SYSTEM" is being submitted by Sai Santhoshi Kiran Kante (18P31A0424), Naga Nikhila Appala (18P31A0434), Sridevi Neela (18P31A0440), Bindu Yamini Potala (19P35A0404), Sri Gayatri Medisetti (18P31A0432) has been carried out in the partial fulfillment of the requirement for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering, Aditya College of Engineering & Technology, Surampalem affiliated to JNTUK, Kakinada is a record of bonafide work carried out by them under my guidance and supervision during the academic period 2021-2022.

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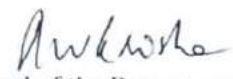
This is to certify that the project report entitled "BRAIN SENSE CONTROLLED WIRELESS" is being submitted by N.AISWARYA (18P31A0442), D.SAI NAMRATHA (18P31A0412), A.SAI SANDEEP (18P31A0402), A.SATYA KOTI (18P31A0401), has been carried out in the partial fulfillment of the requirement for the award of the degree of **Bachelor of Technology** in **Electronics and Communication Engineering**, Aditya College of Engineering & Technology, Surampalem affiliated to JNTUK, Kakinada is a record of bonafide work carried out by them under my guidance and supervision during the academic period 2021-2022.


Project Guide

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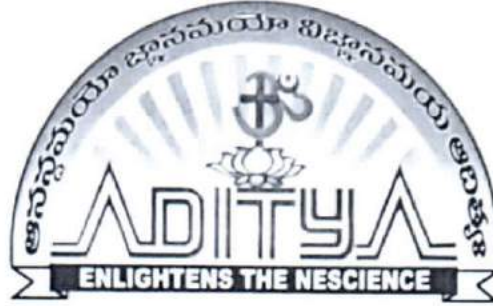
A.m. freest


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CERTIFICATE

This is to certify that the project report entitled "Collection and Segregation of Garbage Floating on Water" is being submitted by Pinapatruni Venkata Chandra Pavan (18P31A0446), Tupakula Sai Surya (18P31A0456), Ganugula Sai Sandeep (18P31A0415), Perabathina Sai Kiran (18P31A0444), Ayyala Eswar Surya Vamsi (18P31A0405) has been carried out in the partial fulfillment of the requirement for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering, Aditya College of Engineering & Technology, Surampalem affiliated to JNTUK, Kakinada is a record of bonafide work carried out by them under my guidance and supervision during the academic period 2021-2022.


Project Guide

Dr. T.S. Karthik., M.Tech., Ph.D

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CERTIFICATE


This is to certify that the project report entitled "CONTENT BASED IMAGE RETRIVAL" is being submitted by CH. MADHURI (18P31A0410), K. N. V. S. S. GOWRI SHANKAR (18P31A0423), S. H. K. S. PRAKASH RAJU (18P31A0451), P. AJIT SHARMA (18P31A0445), L. ABHISHEK SAI (18P31A0430), has been carried out in the partial fulfillment of the requirement for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering, Aditya College of Engineering & Technology, Surampalem affiliated to JNTUK, Kakinada is a record of bonafide work carried out by them under my guidance and supervision during the academic period 2021-2022.


PROJECT GUIDE

Mr. J. SRINIVASA RAO, M.Tech., (Ph.D)

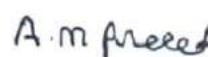
Assistant Professor

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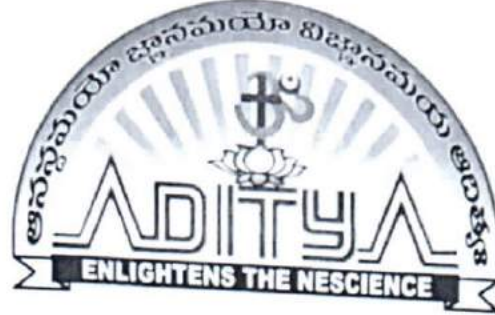
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Department of Electronics and Communication Engineering



CERTIFICATE

This is to certify that the project report entitled "NOVEL ENERGY EFFICIENT AD-HOC ON-DEMAND DISTANCE VECTOR(AODV) ROUTING PROTOCOL FOR WIRELESS SENSOR NETWORKS" is being submitted by Kurmadasu Veera Bhadra Sai Sree Kumar (18P31A0429), Akula Jagadeesh Pavan Kalyan (18P31A0403), Seela Malleswara Rao (18P31A0450), Pudi Phanindra Reddy (19P35A0405) has been carried out in the partial fulfillment of the requirement for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering. Aditya College of Engineering & Technology, Surampalem affiliated to JNTUK, Kakinada is a record of bonafide work carried out by them under my guidance and supervision during the academic period 2021-2022.

Vivek Rajpoot

Project Guide

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Department of Electronics and Communication Engineering



CERTIFICATE

This is to certify that the project report entitled "TALKING STANDEE USING RASPBERRY PI" is being submitted by N. Sree Bharathi (18P31A0437), P. Umaeswari (18P31A0443), G. Anusha (18P31A0414), M. Mourya Teja (18P31A0431) has been carried out in the partial fulfillment of the requirement for the award of the degree of **Bachelor of Technology in Electronics and Communication Engineering**, Aditya College of Engineering & Technology, Surampalem affiliated to JNTUK, Kakinada is a record of bonafide work carried out by them under my guidance and supervision during the academic period 2021-2022

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



This is to certify that Project report title "IoT BASED HOME CONTROL OF APPLIANCES" is being submitted by KAKI TEJASWI SAI LAKSHMI (18P31A0421), V. S. BHAVANI (18P31A0459), A. CHARAN SAI (19P35A0401), V.V.S. TARUN (18P31A0460) in the partial fulfillment of the requirement for the award of the degree of BACHELOR OF TECHNOLOGY in ELECTRONICS AND COMMUNICATION ENGINEERING from ADITYA COLLEGE OF ENGINEERING AND TECHNOLOGY, Surampalem during the academic period of 2021-2022.

Project Guide

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Department of Electronics and Communication Engineering



CERTIFICATE

This is to certify that the project report entitled "Student attendance system using RFID technology with a SMS notification" is being submitted by T.Vijayadevi (18P31A0453), K. Poorna Chandra Sekhar(18P31A0428), Ch. Satya Sai Trivedi(19P35A0402), T. Anil Kumar(18P31A0454) has been carried out in the partial fulfillment of the requirement for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering, Aditya College of Engineering & Technology, Surampalem affiliated to JNTUK, Kakinada is a record of bonafide work carried out by them under my guidance and supervision during the academic period 2021-2022.

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Department of Electronics and Communication Engineering



CERTIFICATE

This is to certify that the project report entitled "Smart Automatic Aqua Monitoring System" is being submitted by Nishant Kumar (18P31A0441), T.Anitha Sowjanya (18P31A0455) K.Mahalakshmi (18P31A0419), and D.Jyothendra Sai (18P31A0411) has been carried out in the partial fulfillment of the requirement for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering. Aditya College of Engineering & Technology, Surampalem affiliated to JNTUK, Kakinada is a record of bonafide work carried out by them under my guidance and supervision during the academic period 2021-2022.

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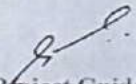
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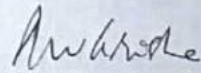
Department of Electronics and Communication Engineering

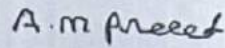



CERTIFICATE

This is to certify that the project report entitled "DESIGN AND FABRICATION OF FDM BASED PORTABLE 3D PRINTER" is being submitted by Voleti Sai suryamadhuri (18P31A04N6), Yaramati Veera Lakshmi Bhavani Mani Kumari(18P31A04I8), Kona Nagendra (19P35A0424), Pandati Pradeep(19P35A0426) has been carried out in the partial fulfillment of the requirement for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering, Aditya College of Engineering & Technology, Surampalem affiliated to JNTUK, Kakinada is a record of bonafide work carried out by them under my guidance and supervision during the academic period 2021-2022.


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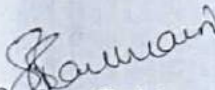
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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



CERTIFICATE

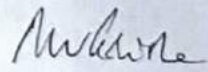
This is to certify that project report entitled "DESIGN AND IMPLEMENTATION OF REAL TIME PICK AND PLACE ROBOT CONTROLLED BY BLUETOOTH" is being submitted by B.Vyshnavi (18P31A04J2), G.Manikanta (18P31A04K0), S.Ashish (18P31A04N0) P.Samagna (19P35A0428) has been carried out in the partial fulfillment of the requirements for the award of degree of BACHELOR OF TECHNOLOGY in ELECTRONICS AND COMMUNATION ENGINEERING, Aditya College of Engineering And Technology, Surampalem affiliated to JNTUK, KAKINADA is a record of bonafide work carried out by them under my guidance and supervision during the academic period 2021-2022.


Project Guide

S.S.V.KIRANMAYI,M.TECH

Associate Professor

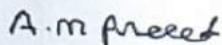
Department of E.C.E


Head of the Department

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Department of Electronics and Communication Engineering



CERTIFICATE

This is to certify that the project report entitled "IMPLEMENTATION OF SMART ASSISTANCE GLOVES FOR AGED PEOPLE" is being submitted by Thota Rajeswari (18P31A04N1), Maroju Janardhan Rao (18P31A04L1), Gandhi Ajay (18P31A04J6), Mangina Vinay (18P31A04L0) has been carried out in the partial fulfillment of the requirement for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering, Aditya College of Engineering & Technology, Surampalem affiliated to JNTUK, Kakinada is a record of bonafide work carried out by them under my guidance and supervision during the academic period 2021-2022.

Anitha Pravalli

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Head of the Department
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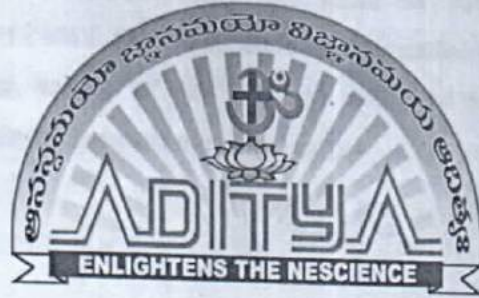
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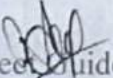
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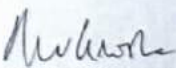


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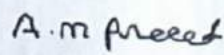
This is to certify that the project report entitled “DESIGN OF AN IEEE754 SINGLE PRECISION FLOATING POINT MULTIPLIER” is being submitted by T Veerendra (18P31A04N2), S Yaswanth Rajesh (19P35A0429), D Siva Kumar (18P31A04J4), M Ravi Kumar (18P31A04L2) has been carried out in the partial fulfillment of the requirement for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering, Aditya College of Engineering & Technology, Surampalem affiliated to JNTUK, Kakinada is a record of bonafide work carried out by them under my guidance and supervision during the academic period 2021-2022.


Project Guide

Mr. T. Anjaiah, M. Tech, (Ph. D)
Associate Professor,
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Head of the Department

Dr. R. V. V. Krishna, M. Tech, Ph. D
Professor & HOD
Department of ECE

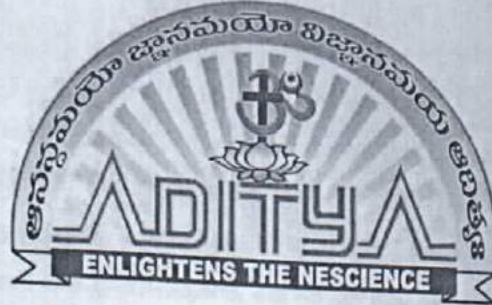

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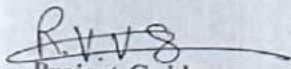
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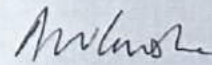


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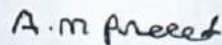
This is to certify that the project report entitled "COMPUTATIONAL EFFECTIVE MULTIMODAL MEDICAL IMAGE FUSION IN NSCT DOMAIN" is being submitted by Amajala Satya Anusha (18P31A04I2), Tummuri Amruth Reddy (18P31A04N4), Salagrama Mani Gowtham (18P31A04M5), Narkedimilli Sai Kumar (18P31A04L5) has been carried out in the partial fulfillment of the requirement for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering, Aditya College of Engineering & Technology, Surampalem affiliated to JNTUK, Kakinada is a record of bonafide work carried out by them under my guidance and supervision during the academic period 2021-2022.


Project Guide

Mr. R. V. V. SRINIVAS, M. Tech
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Head of the Department
Dr. R. V. V. KRISHNA, M. Tech, Ph.D.
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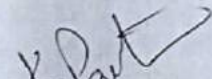
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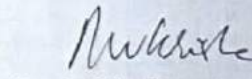


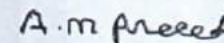
CERTIFICATE

This is to certify that the project report entitled "DESIGN AND IMPLEMENTATION OF HAND GESTURED CONTROLLED WHEEL CHAIR FOR DISABLED PERSON USING MEMS TECHNOLOGY" is being submitted by P. Ramya (18P31A04L7), S.D. Satish Reddy (18P31A04M7), K. Ram Laxman (18P31A04K5), B. Vinod Kumar (18P31A04J0) has been carried out in the partial fulfilment of the requirement for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering, Aditya College of Engineering & Technology, Surampalem affiliated to JNTUK, Kakinada is a record of bonafide work carried out by them under my guidance and supervision during the academic period 2021-2022.


Project Guide

Mr. K. Parvateesam, M.Tech
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Dr. R.V.V. KRISHNA, M.Tech, Ph.D.
Professor & HOD
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DEPARTMENT OF
ELECTRONICS & COMMUNICATION ENGINEERING



This is to certify that technical project report titled

**DESIGN AND FABRICATION OF CNC LASER
ENGRAVER**

Being submitted by

CH. SRUJANA	18P31A04J3
B. N. V. LAHIRI	18P31A04I6
M. KARTHIK KUMAR	18P31A04L3
MD. AMINA BEGUM	19P35A0425

in fulfillment of the requirements for award of the Degree of Bachelor of Technology in "ELECTRONICS & COMMUNICATION ENGINEERING". It is a bonafide work carried out by them under esteemed guidance and supervision of Mr. K. L. V. PRASAD, M.Tech. (Ph.D.)

K.L.V. Prasad
Project Guide

Mr. K. L. V. PRASAD, M.Tech (Ph.D.)
Senior Assistant Professor,
Department of ECE

R.V.V. Krishna
Head of the Department

Dr. R. V. V. KRISHNA, M.Tech, Ph.D.
Professor & HOD,
Department of ECE

A. m. preeth
Signature of External Examiner

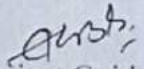
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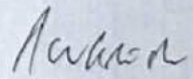


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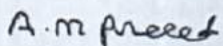
This is to certify that the project report entitled "SOLDIER HEALTH TRACKING SYSTEM" is being submitted by Badiganti Tejakrishna (18P31A04I5), Bikkina Manikanata (18P31A04I9), Sarakanam V Apparao (18P31A04M6), Tirandi Chaitanya Pavan (18P31A04N3) has been carried out in the partial fulfillment of the requirement for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering, Aditya College of Engineering & Technology, Surampalem affiliated to JNTUK, Kakinada is a record of bonafide work carried out by them under my guidance and supervision during the academic period 2021-2022.


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Dr. A. B. Siddique, M. Tech, Ph. D
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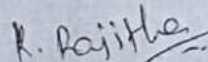
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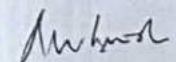


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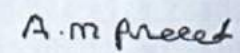
This is to certify that the project report entitled "MULTIPOINT WIRELESS DATA MONITORING SYSTEM FOR SMART VEHICLE" is being submitted by Satti Veera Venkata Ramya (18P31A04M8), Peddireddi Rajesh (18P31A04L8), Koram Hari Sai Raj (18P31A04K7) has been carried out in the partial fulfillment of the requirement for the award of the degree of **Bachelor of Technology in Electronics and Communication Engineering**, Aditya College of Engineering & Technology, Surampalem affiliated to JNTUK, Kakinada is a record of bonafide work carried out by them under my guidance and supervision during the academic period 2021-2022.



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Dept. of ECE


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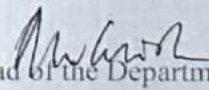
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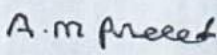


CERTIFICATE

This is to certify that the project report entitled “**DESIGN OF LOW POWER & HIGH SPEED DECODER USING VARIOUS EFFICIENT MOS LOGIC STYLES**” is being submitted by **D.Ravi Chandana (18P31A04J5), R.S.S.D.Hemanth(18P31A04M2), K.A.Sairam (18P31A04K3), K. Sampath Kumar (18P31A04K1)** has been carried out in the partial fulfilment of the requirement for the award of the degree of **Bachelor of Technology in Electronics and Communication Engineering, Aditya College of Engineering & Technology, Surampalem** affiliated to **JNTUK, Kakinada** is a record of bonafide work carried out by them under my guidance and supervision during the academic period 2021-2022.

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Department of ECE


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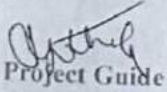
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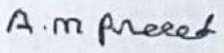
This is to certify that the project report entitled "WAVEATOM TRANSFORM-BASED MULTIMODAL MEDICAL IMAGE FUSION" is being submitted by R.Harshitha (18P31A04M1), B.Sridhar (18P31A04J1), K.D.N.V. Ramakrishna Reddy (18P31A04K4), M.Appala Raju (18P31A04K9) has been carried out in the partial fulfillment of the requirement for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering, Aditya College of Engineering & Technology, Surampalem affiliated to JNTUK, Kakinada is a record of bonafide work carried out by them under my guidance and supervision during the academic period 2021-2022.


Project Guide

Mrs. GOLAJAPU JYOTHSNA, M.Tech
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Professor & HOD
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Department of Electronics and Communication Engineering



CERTIFICATE

This is to certify that the project report entitled “**DESIGN OF ENERGY EFFICIENT MIMO COMMUNICATION SYSTEM**” is being submitted by **Seemakurti N V S S L Abheesti (18P31A04M9), Pachimala Srija (18P31A04L6), Reddy Mohith Babu (18P31A04M3), Surampudi Ravi Kiran (19P35A0430)** has been carried out in the partial fulfillment of the requirement for the award of the degree of **Bachelor of Technology in Electronics and Communication Engineering, Aditya College of Engineering & Technology, Surampalem** affiliated to **JNTUK, Kakinada** is a record of bonafide work carried out by them under my guidance and supervision during the academic period 2021-2022.

Project Guide

Mr. R. Anil Kumar, M. Tech, (Ph. D)

Associate Professor,

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Head of the Department

Dr. R. V. V. Krishna, M. Tech, Ph. D

Professor & HOD

Department of ECE

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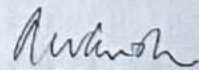


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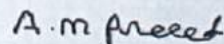
This is to certify that the project report entitled "COPY MOVE FORGERY DETECTION USING QUATERNION POLAR COMPLEX EXPONENTIAL TRANSFORM" is being submitted by Putta Meher Gayathri (18P31A04M0) Akkireddi Naga Surekha(18P31A04I1), Karanam Santhosh Kumar(18P31A04K2), Mutti Jaya Suma(18P31A04L4) has been carried out in the partial fulfillment of the requirement for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering, Aditya College of Engineering & Technology, Surampalem affiliated to JNTUK, Kakinada is a record of bonafide work carried out by them under my guidance and supervision during the academic period 2021-2022.


Project Guide


Dr. D. KISHORE, M.Tech, Ph.D.
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Head of the Department
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Professor & HOD
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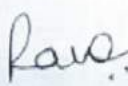


CERTIFICATE

This is to certify that the project report entitled "HEART DISEASE PREDICTION USING MACHINE LEARNING" is being submitted by Tirumalasetti Padma Priya (18P31A04B2), Pemmnaboidi Anusha (18P31A04A2), Surampudi Bhaskar (19P35A0414), Chippada Chandra Sekhar (17P31A0471) has been carried out in the partial fulfilment of the requirement for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering, Aditya College of Engineering & Technology, Surampalem affiliated to JNTUK, Kakinada is a record of bonafide work carried out by them under my guidance and supervision during the academic period 2021-2022.


Project Guide
Mr. J. Srinivasa Rao, M.Tech., (Ph.D.)
Assistant Professor
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ECE


Head of the Department
Dr. R. V. V. KRISHNA, M. Tech., (Ph.D.)
Professor & HOD
Dept. of

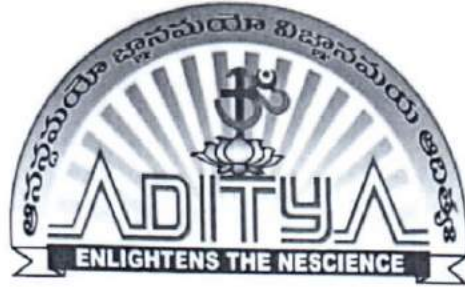

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Department of Electronics and Communication Engineering



CERTIFICATE

This is to certify that the project report entitled "SMART UNDERGROUND CABLE FAULT DETECTION USING INTERNET OF THINGS" is being submitted by Muthyam Surya Bhaskar (18P31A0494), Yelisetti Venkatesh (18P31A04B7), Seerapu Malaya Sugandhini (18P31A04A7), Mogali Ganga Durga Maheswara Rao (18HN1A0426) has been carried out in the partial fulfillment of the requirement for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering, Aditya College of Engineering & Technology, Surampalem affiliated to JNTUK, Kakinada is a record of bonafide work carried out by them under my guidance and supervision during the academic period 2021-2022.

Project Guide

Dr.T.S.KARTHIK, M.Tech., Ph.D

Professor

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Head of the Department

Dr.R.V.V.KRISHNA, M.Tech, Ph.D

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CERTIFICATE

This is to certify that the project report entitled "AUTOMATIC GRADING OF AGE-RELATED MACULAR DEGENERATION FROM FUNDUS IMAGE USING DEEP CONVOLUTIONAL NEURAL NETWORKS" is being submitted by Nalamothu Sukanya (18P31A0498), Katari Sai Atchuth (19P35A0412), R. Guru Raghavendra (18P31A04A4), K.V.V. Satyanarayana (18P31A0477) has been carried out in the partial fulfillment of the requirement for the award of the degree of **Bachelor of Technology** in **Electronics and Communication Engineering**, Aditya College of Engineering & Technology, Surampalem affiliated to JNTUK, Kakinada is a record of bonafide work carried out by them under my guidance and supervision during the academic period 2021-2022.

Project Guide
Ms. Velagala Jyothsna, M-Tech
Assistant Professor
Department of ECE

Head of the Department
Dr. R.V.V. Krishna, M-Tech, PhD
Professor & HOD
Department of ECE

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Department of Electronics and Communication Engineering



CERTIFICATE

This is to certify that the project report entitled "AN INTELLIGENT SYSTEM FOR AUDIO FORGERY DETECTION OF IMPOSTER AND TAMPERED SEGMENTS" is being submitted by Modukuri Naga Lavanya (18P31A0491), Angina Gangadhara Veera Prakash (18P31A0462), Dangeti Sree Rama Raju (19P35A0408), Namala Sai Ram (18P31A04A0) has been carried out in the partial fulfillment of the requirement for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering, Aditya College of Engineering & Technology, Surampalem affiliated to JNTUK, Kakinada is a record of bonafide work carried out by them under my guidance and supervision during the academic period 2021-2022.

Project Guide
Dr. N. V. LALITHA, M. Tech, Ph. D
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Head of the Department
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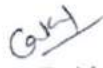
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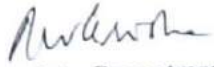
Department of Electronics and Communication Engineering



CERTIFICATE

This is to certify that the project report entitled "DEVELOPMENT OF SMART HELMET BASED ON IOT FOR SAFETY AND ACCIDENT DETECTION" is being submitted by P. Rohini (19P35A0413), S. Swathi (18P31A04A8), K. TanmaiSree (18P31A0478), T. Deepak Reddy (18P31A04B1) has been carried out in the partial fulfilment of the required for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering, Aditya College of Engineering & Technology, Surampalem, Permanently affiliated to JNTUK, Kakinada is a record of bonafide work carried out by them under my guidance and supervision during the academic period 2021-2022.


Project Guide
Mr. G. A. Arun Kumar, M. Tech., (Ph. D)
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Head of the Department
Dr. R. V. Vijaya Krishna, M. Tech., Ph. D.,
Professor
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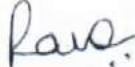


CERTIFICATE

This is to certify that the project report entitled "HUMAN FOLLOWING ROBOT USING RASPBERRY PI" is being submitted by Gadhi Veera Venkata Ramana (18P31A0469), Nookala Veerabhadra Rao (18P31A04A1), Kottapalli Veera Venkata Ram Mohan (18P31A0482), kakarla Sai Venkata Gangadhar (18P31A0475) has been carried out in the partial fulfillment of the requirement for the award of the degree of **Bachelor of Technology in Electronics and Communication Engineering**, Aditya College of Engineering & Technology, Surampalem affiliated to **JNTUK, Kakinada** is a record of bonafide work carried out by them under my guidance and supervision during the academic period 2021-2022.


Project Guide
Mr. G. SATTIBABU, M.Tech., (Ph.D)
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Head of the Department
Dr. R. V. V. KRISHNA, M. Tech, Ph.D.
Professor & HOD
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Department of Electronics and Communication Engineering



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This is to certify that the project work entitled "CONVOLUTIONAL NEURAL NETWORK BASED PADDY LEAF DISEASE DETECTION", is a bonafide work carried out by Chinthapalli Hari Hara Nandana Reddy (18P31A0466), Kurapati Yaswanth Chowdary (18P31A0484), Maddula Sri Sai Satyavati Ramadevi Divyanjali (18P31A0486), Talluri Karthik (19P35A0415) in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering from Aditya College of Engineering & Technology during the academic year 2018-2022.


Project Guide

Mr. P. RAMESH KUMAR, M.Tech(Ph.D)
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This is to certify that the project report entitled "IOT BASED GARBAGE MONITORING" is being submitted by Abhay Kumar (18P31A0461), Chundru Sindhu (18P31A0467), Madireddi Venkanababu (18P31A0487), Mukalla Pavan Kumar (18P31A0493) has been carried out in the partial fulfillment of the requirement for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering, Aditya College of Engineering & Technology, Surampalem affiliated to JNTUK, Kakinada is a record of bonafide work carried out by them under my guidance and supervision during the academic period 2021-2022.

Project Guide
Mr. S. DURGA PRASAD, M.Tech
Assistant Professor
Dept. of ECE

Head of the Department
Dr. R. V. V. KRISHNA, M. Tech, Ph.D.
Professor & HOD
Dept. of ECE

EXTERNAL EXAMINER

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Department of Electronics and Communication Engineering



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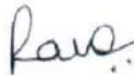
This is to certify that the project report entitled "AUTOMATIC SOLAR OPERATED SEED SOWING MACHINE" is being submitted by Chintam Rupa Sai Sri (18P1A0465), Ungarala Vinay Kumar (18P31A04B4), Talluri Rishi Kiran (18P31A04B0), Pithani Naga Nikilesh Roy (18P31A04A3) has been carried out in the partial fulfillment of the requirement for the award of the degree of **Bachelor of Technology in Electronics and Communication Engineering**, Aditya College of Engineering & Technology, Surampalem affiliated to JNTUK, Kakinada is a record of bonafide work carried out by them under my guidance and supervision during the academic period 2021-2022


Project Guide

Mrs. V. RAMA TULASI, M.Tech
Assistant Professor
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Head of the Department
Dr. R. V. V. KRISHNA, M. Tech, Ph.D.
Professor & HOD
Dept. of ECE



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CERTIFICATE

This is to certify that the project report entitled "OTP BASED SMART WIRELESS LOCKING SYSTEM USING ARDUINO" is being submitted by Nam Mahalakshmi (18P31A0499), Velampalepu Rohit Anjani Kumar (18P31A04B5), Yagana Srirama Satyanarayana Murthy (18P31A04B6), Midde Yamini Likitha (18P31A0490) has been carried out in the partial fulfillment of the requirement for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering, Aditya College of Engineering & Technology, Surampalem affiliated to JNTUK, Kakinada is a record of bonafide work carried out by them under my guidance and supervision during the academic period 2021-2022.

Project Guide

Ms. P. ANANTHA SRAVANTHI, M.E(Ph.D)

Assistant Professor

Department of ECE

Head of the Department

Dr. R. V. V. KRISHNA, M.Tech, Ph.D

Professor

Department of ECE

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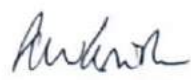


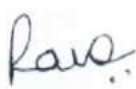
CERTIFICATE

This is to certify that the project report entitled "USE OF DYNAMIC ROUTING PROTOCOLS AMONG VLANs" is being submitted by Nakkilla Sri Lakshmi Bharani (18P31A0497), Saladi Leena Emerold (18P31A04A6), Danimireddi Hari Krishna (18P31A0468), Gaddam Venkata Sai Vinay Kumar (19P35A0410) has been carried out in the partial fulfillment of the requirement for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering, Aditya College of Engineering & Technology, Surampalem affiliated to JNTUK, Kakinada is a record of bonafide work carried out by them under my guidance and supervision during the academic period 2021-2022.


Project Guide

Dr. Vivek Rajpoot, M.Tech., Ph.D
Assistant Professor
Department of ECE


Head of the Department
Dr. R. V. V. KRISHNA, M.Tech., Ph.D
Professor & HOD
Department of ECE


EXTERNAL EXAMINER

II


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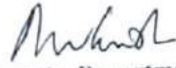
Department of Electronics and Communication Engineering



CERTIFICATE

This is to certify that the project report entitled "IOT BASED LOW-COST MEDICAL SERVICE ROBOT FOR COVID VIRUS AFFECTED PEOPLE " is being submitted by Devu Visalakshi (19P35A0409), Yerra. Sridevi Naga Sai(18P31A04B8) Garaga Venkatesh (18P31A0471), Metikoti Bhavana (18P31A0489), Makireddi Lakshmi Satya Sandeep (18P31A0488) has been carried out in the partial fulfillment of the requirement for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering, Aditya College of Engineering & Technology, Surampalem affiliated to JNTUK, Kakinada is a record of bonafide work carried out by them under my guidance and supervision during the academic period 2021-2022.


Project Guide
Mr.K. JAYARAM KUMAR, M. Tech(Ph. D)
Assistant Professor
Dept. of ECE


Head of the Department
Dr. R. V. V. KRISHNA, M. Tech, Ph.D.
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EXTERNAL EXAMINER


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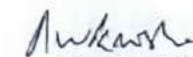
This is to certify that the technical project report entitled
**“LUNG NODULE SEGMENTATION USING RANDOM-WALK
APPROACH ON REALTIME LUNG CT IMAGES”**

Submitted by

RISHABH SINHA	18P31A04A5
I V S L S SOWMYA	18P31A0473
K VEERANDRA KUMAR	18P31A0481
G VAMSI KRISHNA	18P31A0472
K NAVEEN	18P31A0476


Project Guide

Mrs. A RAMA VASANTHA
M.tech.,(Ph.d)
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Department of ECE


Head of the Department

Dr. R.V.KRISHNA,
M.Tech,Ph.D
Professor
Department of ECE

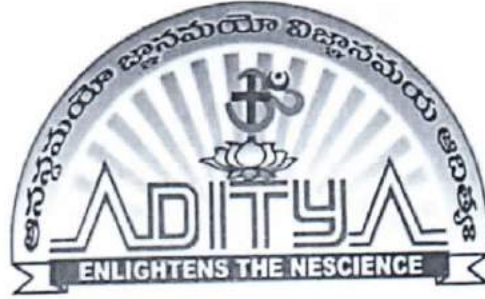

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CERTIFICATE

This is to certify that the project report entitled "SKIN CANCER SEGMENTATION USING MATLAB SOFTWARE" is being submitted by Carolina Ganduri (18P31A0470), Ramya Devi Mutyala (18P31A0495), Bhuvan Teja Hari Hara Kumar Kotti (18P31A0483), Dilip Surya Kumar Ijjarothula (19P35A0411), Varun Appana (18P31A0463) has been carried out in the partial fulfillment of the requirement for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering, Aditya College of Engineering & Technology, Surampalem affiliated to JNTUK, Kakinada is a record of Bonafide work carried out by them under my guidance and supervision during the academic period 2021-2022.

Project Guide

Dr. R. V. V. Krishna, M. Tech, Ph.D.
Professor & HOD
Dept. of ECE

Head of the Department

Dr. R. V.V. Krishna, M. Tech, Ph.D.
Professor & HOD
Dept. of ECE

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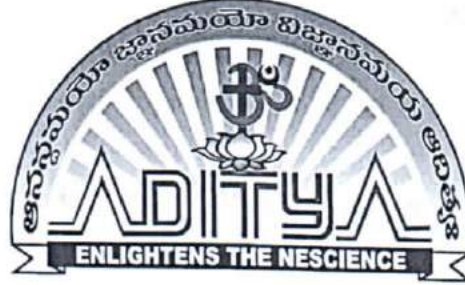
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Department of Electronics and Communication Engineering



CERTIFICATE

This is to certify that the project report entitled "DESIGN OF WIDE-BAND MIMO FILTENNA" is being submitted by Tirumanadham U S V Vishnu Aishwarya (18P31A04B3), Lakkoju VV Naga Sri Charan(18P31A0485), Korapati Hema Varshini (18P31A0480), Naidu Dinesh Sai Kumar (18P31A0496) has been carried out in the partial fulfillment of the requirement for the award of the degree of **Bachelor of Technology** in **Electronics and Communication Engineering**, Aditya College of Engineering & Technology, Surampalem affiliated to JNTUK, Kakinada is a record of bonafide work carried out by them under my guidance and supervision during the academic period 2018 - 2022.

Project Guide
Mrs. V. PREETHI, M. Tech
Assistant Professor
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Head of the Department
Dr. R. V. V. KRISHNA, M. Tech, Ph.D.
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**Department of Electronics and Communication
Engineering**



CERTIFICATE

This is to certify that the project report entitled "DESIGN AND FABRICATION OF FDM BASED PORTABLE 3D PRINTER" is being submitted by Gunuru Varun Kumar (18P31A04D6), Illa Durga Prakash (18P31A04D7), Yadlapalli Sri Gayatri (18P31A04H6), Adabala Adi Narayana (19P35A0416) has been carried out in the partial fulfillment of the requirement for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering, Aditya College of Engineering & Technology, Surampalem affiliated to JNTUK, Kakinada is a record of bonafide work carried out by them under my guidance and supervision during the academic period 2021-2022.

Project Guide
Dr. A. B. Siddique, M. Tech, Ph.D.
Assistant Professor
Dept. of ECE

Head of the Department
Dr. R. V. V. KRISHNA, M. Tech, Ph.D.
Professor & HOD
Dept. of ECE

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SIIRAMPALAM- 533 437

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DEPARTMENT OF
ELECTRONICS AND COMMUNICATION ENGINEERING



This is to certify that technical project report titled

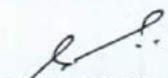
“LIBRARY MANAGEMENT SYSTEM”

Being submitted by

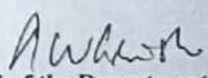
N.REKHA SRI RANI	18P31A04F5
K. LAKSHMI	18P31A04E2
A. KRISHNA KANTH	18P31A04C4
D. PRIYA RAGINI	18P31A04D1

In the partial fulfilment of the requirements for the award of Degree of Bachelor of Technology in **ELECTRONICS AND COMMUNICATION ENGINEERING**.

It is a record of bonafide work carried out by her/his under the esteemed guidance and supervision of **Mrs. Sneha M Joseph** during the academic year 2021-2022.



Project Guide

Mrs. Sneha M Joseph, M.Tech (Ph.D)
Assistant Professor
Department of ECE


Head of the Department

Dr. R.V.V.Krishna, M.Tech, Ph.D.
Professor
Department of ECE


EXTERNAL EXAMINER


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DEPARTMENT OF
ELECTRONICS & COMMUNICATION ENGINEERING



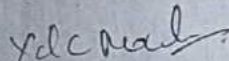
This is to certify that technical project report titled

DESIGN AND FABRICATION OF CNC LASER
ENGRAVER

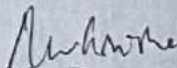
Being submitted by

K. PADMINI SIRISHA	18P31A04E0
M. SAI	18P31A04F1
P. AMRUTHA	18P31A04F9
S. SURYA PRAKASH	18P31A04G8

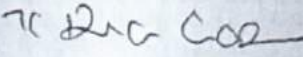
in fulfillment of the requirements for award of the Degree of Bachelor of Technology in "ELECTRONICS & COMMUNICATION ENGINEERING". It is a bonafide work carried out by them under esteemed guidance and supervision of Mr. Y. D. CHANDRA MOULI, M. Tech.


Project Guide

Mr. Y.D. CHANDRA MOULI, M. Tech
Assistant Professor,
Department of ECE


Head of the Department

Dr. R. V. V. KRISHNA, M. Tech, Ph. D.
Professor & HoD,
Department of ECE


Signature of External Examiner

CERTIFICATE



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

This is to certify that technical project report titled

Design and Implementation of Energy Efficient Vedic Multiplier using VLSI Design Logic Styles

Being submitted by

A. NANDINI	(18P31A04C3)
A. NIKHIL	(19P35A0417)
G. MALLESH	(18P31A04D3)
K. VIJAY MOHAN	(18P31A04E6)
K. SUPRIYA	(18P31A04E4)

In the partial fulfilment of the requirements for award of the Degree of Bachelor of Technology in "ELECTRONICS AND COMMUNICATION ENGINEERING". It is a bonafide work carried out by him/her under the esteemed guidance and supervision of Mrs. Alekhya Yalla during the academic year 2021-2022.

Project Guide

Mrs. Alekhya Yalla, M.Tech, (Ph.D))

Assistant Professor

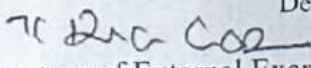
Department of ECE

Head of the Department

Dr. R.V.V.Krishna, M.Tech, Ph.D

Professor

Department of ECE


Signature of External Examiner


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ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY

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Department Of Electronics and Communication Engineering



CERTIFICATE

This is to certify that the project report entitled " COPY MOVE FORGERY DETECTION USING GRAY SCALE CO-OCCURRENCE MATRIX WITH SUPPORT VECTOR MACHINE " is being submitted by Vineela Sowjanya Sabbella(18P31A04G5), Shaik Gowsia(18P31A04G9), Sai Prasanna Sivaneni(18P31A04H1), Thridey Reddy Yatam(18P31A04G6) has been carried out in the partial fulfillment of the requirement for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering, Aditya College of Engineering & Technology, Surampalem affiliated to JNTUK, Kakinada is a record of bonafide work carried out by them under my guidance and supervision during the academic period 2021-2022.

Project Guide

Mr. J. SURENDRANADH, M. Tech

Assistant Professor

Dept. of ECE

Head of the Department

Dr. R.V.V. KRISHNA, M. Tech, Ph.D.

Professor & HOD

Department. of ECE

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Department of Electronics and Communication Engineering



CERTIFICATE

This is to certify that the project report entitled "DESIGN AND IMPLEMENTATION OF AUTOMATIC MULTI-PURPOSE CROP PROTECTION SYSTEM WITH GSM ALERT" is being submitted by Duppalapudi Venkata Prakash (18P31A04D2), Mathamsetti N. N. L. Sai Ramesh (18P31A04F2), Kota Victor Rajesh (18P31A04E7), P. Manikanta (18P31A04F8) has been carried out in the partial fulfillment of the requirement for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering, Aditya College of Engineering & Technology, Surampalem affiliated to JNTUK, Kakinada is a record of bonafide work carried out by them under my guidance and supervision during the academic period 2021-2022.

Project Guide
Mr. K. Parvateesam, M.Tech
Assistant Professor
Dept. of ECE

Head of the Department
Dr. R. V. V. KRISHNA, M. Tech, Ph.D.
Professor & HOD
Dept. of ECE

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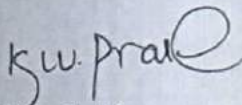
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Department of Electronics and Communication Engineering



CERTIFICATE

This is to certify that the project report entitled "INTELLIGENT SECURE SMART CROP PROTECTION FROM WILD ANIMALS" is being submitted by K. S.S. R. D. Chandu (18P31A04E1), P. Asha Jyothi (18P31A04G0), M. Jaya Bharathi (18P31A04F3), M. Prem Kumar (18P31A04F0) has been carried out in the partial fulfillment of the requirement for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering, Aditya College of Engineering & Technology, Surampalem affiliated to JNTUK, Kakinada is a record of bonafide work carried out by them under my guidance and supervision during the academic period 2021-2022.

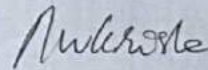


Project Guide

Mr. K. L. V. Prasad, M. Tech, (Ph. D)

Sr. Assistant Professor

Dept. of ECE

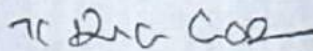


Head of the Department

Dr. R. V. V. Krishna, M. Tech, Ph.D.

Professor & HOD

Dept. of ECE



EXTERNAL EXAMINER



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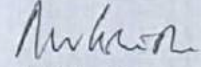
This is to certify that the project report entitled "DESIGN AND FABRICATION OF REMOTELY CONTROLLED FOOD SERVING ROBOT" is being submitted by S. Uday Kumar (18P31A04H0), Y. Satya Sai (18P31A04H8), Y. Rakesh (18P31A04H7), J. Sai Krishna (18P31A04D8) has been carried out in the partial fulfillment of the requirement for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering, Aditya College of Engineering & Technology, Surampalem affiliated to JNTUK, Kakinada is a record of bonafide work carried out by them under my guidance and supervision during the academic period 2021-2022.


Project Guide

K Venkata Ramana, M.Tech, (Ph.D)

Assistant Professor

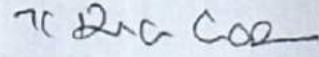
Department of ECE


Head of the Department

Dr. R. V. V. KRISHNA, M.Tech, Ph.D

Professor

Department of ECE


Signature of External Examiner

CERTIFICATE

DEPARTMENT OF
ELECTRONICS AND COMMUNICATION ENGINEERING



This is to certify that the Main Project report entitled

Energy & Spectral Efficiency Optimization using Clustering and Pricing-based Robust Power Control scheme for Vehicular Communication.

Being submitted by

V. Kanchana	18P31A04H5
S. Urmila	18P31A04G4
K. Satish	18P31A04E5
K. H S Saketh	18P31A04E8

In the partial fulfillment of the requirements for the award of Degree of Bachelor of Technology in **ELECTRONICS AND COMMUNICATION ENGINEERING**. It is a record of bonafide work carried out by her/his under the guidance and supervision of **Mr R.Anil Kumar** during the academic year 2021-2022.

Project Guide

Mr. R.ANIL KUMAR, (Ph.D)

Sr Assistant Professor

Department of ECE

Head of the Department

Dr. R.V.V. KRISHNA, M.Tech, Ph.D

Professor & HOD

Department of ECE

Signature of External Examiner

PRINCIPAL
Aditya College of
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Department of Electronics and Communication Engineering



CERTIFICATE

This is to certify that the project report entitled "SMART TROLLEY USING ARDUINO" is being submitted by S.Harshitha(18P31A04G7) V. Jagadish (18P31A04H4) T.V.V. Rajesh (18P31A04H3) N.Y.S. Vamsi Teja (18P31A04G1) has been carried out in the partial fulfillment of the requirement for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering, Aditya College of Engineering & Technology, Surampalem affiliated to JNTUK, Kakinada is a record of bonafide work carried out by them under my guidance and supervision during the academic period 2021-2022.

Project Guide

Mr. S.Venkata Kiran, M.Tech(Ph.D)
Assistant Professor
Dept. of ECE

Head of the Department

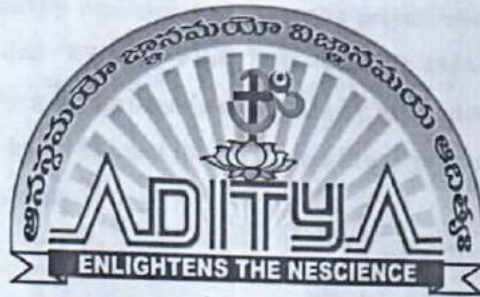
Dr. R. V. V.KRISHNA M. Tech, Ph.D.
Professor & HOD
Dept. of ECE

EXTERNAL EXAMINER

PRINCIPAL
Aditya College of
Engineering & Technology
SURAMPALAM- 537 637

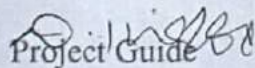
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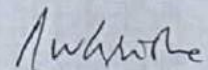


CERTIFICATE

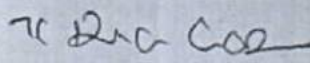
This is to certify that the project report entitled "FUSED FEATURE BASED IMAGE RETRIEVAL SYSTEM" is being submitted by A. Sri Sahithi (18P31A04C2), N. Sai Mukesh (19P35A0421), G. Vijay Vardhan (18P31A04D4), B. Hanisha (18P31A04C7) has been carried out in the partial fulfillment of the requirement for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering, Aditya College of Engineering & Technology, Surampalem affiliated to JNTUK, Kakinada is a record of bonafide work carried out by them under my guidance and supervision during the academic period 2021-2022.



Project Guide

Dr. D. Kishore, M. Tech, Ph. D
Associate Professor
Department of ECE


Head of the Department

Dr. R. V. V. Krishna, M. Tech, Ph. D
Professor
Department of ECE


External Examiner


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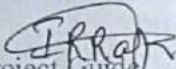
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Department of Electronics and Communication Engineering

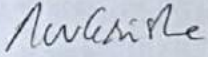


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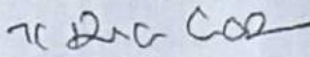
This is to certify that the project report entitled "WIRELESS NOTICE BOARD USING W63 CONTROLLER" is being submitted by G. V.R. Tulasi (18P31A04D5), D. Chandra Mouli (18P31A04D0), D. Sai Dattu (19P35A0418), R. Jyothi Swaroop (19P35A0422) has been carried out in the partial fulfillment of the requirement for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering, Aditya College of Engineering & Technology, Surampalem affiliated to JNTUK, Kakinada is a record of bonafide work carried out by them under my guidance and supervision during the academic period 2021-2022.


Project Guide

Mr. I. Ramesh Raja, M.E (Ph. D)
Associate Professor,
Department of ECE


Head of the Department

Dr. R. V. V. Krishna, M. Tech, Ph. D
Professor & HOD
Department of ECE


External Examiner


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SURAMPALM- 533 437

CERTIFICATE
DEPARTMENT OF
ELECTRONICS & COMMUNICATION ENGINEERING



This is to certify that technical project report titled

**DESIGN AND FABRICATION OF CNC LASER
ENGRAVER**

Being submitted by

K. SRIRAM

18P31A04D9

N. LAVANYA

18P31A04F6


P. KUSUMA ALEKYA

18P31A04G2

B. RANJAN

18P31A04G3

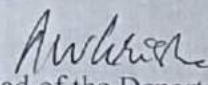
in fulfillment of the requirements for award of the Degree of Bachelor of Technology in "ELECTRONICS & COMMUNICATION ENGINEERING". It is a bonafide work carried out by them under esteemed guidance and supervision of Mr. T. ANJALIAH, M.Tech. (Ph.D.)


Project Guide

Mr. T. ANJALIAH, M.Tech (Ph.D.)

Associate Professor,

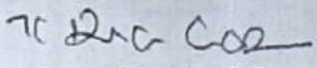
Department of ECE


Head of the Department

Dr. R. V. V. KRISHNA, M.Tech, Ph.D.;

Professor & HoD,

Department of ECE


Signature of External Examiner

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This is to certify that the project report entitled "INFANT CRY CLASSIFICATION AND RECOGNITION" is being submitted by M.SuryaJyothi (18P31A04E9), CH.Swathi sri (18P31A04C8), A.V V S Sai Swaroop (18P31A04C1), A.Arun Kumar (18P31A04C5) has been carried out in the partial fulfillment of the requirement for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering, Aditya College of Engineering & Technology, Surampalem affiliated to JNTUK, Kakinada is a record of bonafide work carried out by them under my guidance and supervision during the academic period 2021-2022.

Project Guide
Dr. V. Vijayasri Bolisetty, M.Tech, Ph.D.
Associate Professor
Dept. of ECE

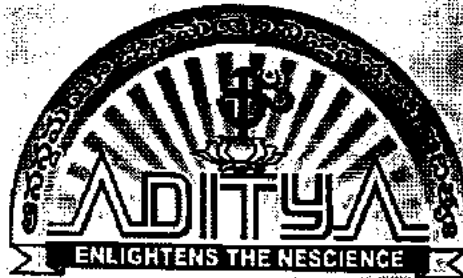
Head of the Department
Dr. R. V. V. Krishna, M.Tech, Ph.D.
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EXTERNAL EXAMINER

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This is to certify that the project report entitled "WIRELESS NOTICE BOARD USING W63 CONTROLLER" is being submitted by G. Veerendra (19P35A0420), T.M.N.V.Vaibhav (18P31A04H2), D.Naresh (19P31A0419), O.V.S.S. Praneeth (18P31A04F7) has been carried out in the partial fulfillment of the requirement for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering, Aditya College of Engineering & Technology, Surampalem affiliated to JNTUK, Kakimada is a record of bonafide work carried out by them under my guidance and supervision during the academic period 2021-2022.


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Mrs. M. Karvalya M. Tech
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Head of the Department
Dr. R. V. ...
Professor
Department of ECE

Signature of External Examiner

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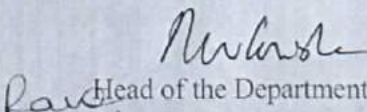


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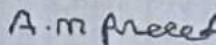
This is to certify that the project report entitled "WIRELESS NOTICE BOARD USING W63 CONTROLLER" is being submitted by D. S.B.S.R. Rohith (19P35A0423), G. Lokesh (18P31A04J8), P. Revathi Reddy (18JR1A0483), G. Venkat Kumar (18P31A04J7) has been carried out in the partial fulfillment of the requirement for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering, Aditya College of Engineering & Technology, Surampalem affiliated to JNTUK, Kakinada is a record of bonafide work carried out by them under my guidance and supervision during the academic period 2021-2022.


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Head of the Department

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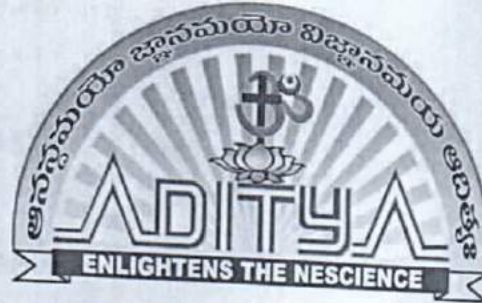
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This is to certify that the project report entitled "LL AND HH SUB-BAND BASED DIGITAL WATERMARKING USING DWT-SVD" is being submitted by P.Durga Lakshmi (18P31A04L9), V.G.P.L.Sivani (18P31A04N5), M.Pavan Kalyan (18P31A04K8), R. Avinash (18P31A04M4) has been carried out in the partial fulfillment of the requirement for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering, Aditya College of Engineering & Technology, Surampalem affiliated to JNTUK, Kakinada is a record of bonafide work carried out by them under my guidance and supervision during the academic period 2021-2022.

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