



Muthoot Finance

Date: 27.03.2023.

TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Mr. A. SAI TEJA** Roll No. **217Z1E0001**, Student of **NALLA NARASIMHA REDDY EDUCATION SOCIETY'S GROUP OF INSTITUTIONS**, has done his Internship Work in our company for a period of one month. He has completed the assigned work as per requirement within the time frame. His performance during the period of work was satisfactory.

We wish him all the best for his future endeavors.



Mr. A. Raju

Asst. Manager

Date: 25.03.2023.

TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Mr. ANNAM AKHIL REDDY** Roll No. **217Z1E0003**, Student of **NALLA NARASIMHA REDDY EDUCATION SOCIETY'S GROUP OF INSTITUTIONS**, has done his Internship Work in our company for a period of one month. He has completed the assigned work as per requirement within the time frame. His performance during the period of work was satisfactory.

We wish him all the best for his future endeavors.



Vishnu
Mr. VISHNU RAO. N

Asst. Manager

AANYA ENTERPRISES TECHNOLOGY PRIVATE LIMITED

Date: 27.03.2023.

TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Ms. A.NAVANEETHA** Roll No. **217Z1E0004**, Student of **NALLA NARASIMHA REDDY EDUCATION SOCIETY'S GROUP OF INSTITUTIONS**, has done her Internship Work in our company for a period of one month. She has completed the assigned work as per requirement within the time frame. Her performance during the period of work was satisfactory.

We wish her all the best for her future endeavors.



Mr. Arun Jain

Branch Manager

Date: 27.03.2023.

TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Ms. BATHULA PRIYANKA** Roll No. **217Z1E0005**, Student of **NALLA NARASIMHA REDDY EDUCATION SOCIETY'S GROUP OF INSTITUTIONS**, has done her Internship Work in our company for a period of one month. She has completed the assigned work as per requirement within the time frame. Her performance during the period of work was satisfactory.

We wish her all the best for her future endeavors.



Mr. Raghava N

Branch Manager



TO WHOM SOEVER ITMAY CONCERN

This is to certify that **Ms. BOINI SRIJA** RollNo.217Z1E0006, Student of **NALLA NARASIMHA REDDY EDUCATION SOCIETY'S GROUP OF INSTITUTIONS**, has done her Internship Work in our company for a period of one month. She has completed the assigned work as per requirement within the time frame. Her performance during the period of work was satisfactory.

We wish her all the best for his future endeavors.



Mr. VIKRAM

Asst. Manager



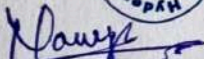
Date: 25.03.2023.

TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Mr. BOKA BHARGAV RAO** Roll No. **217Z1E0007**, Student of **NALLA NARASIMHA REDDY EDUCATION SOCIETY'S GROUP OF INSTITUTIONS**, has done his Internship Work in our company for a period of one month. He has completed the assigned work as per requirement within the time frame. His performance during the period of work was satisfactory.

We wish him all the best for his future endeavors.




Mrs. Navya N

Asst. Manager

Date: 27.03.2023.

TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Ms. B. AKHILA REDDY** Roll No. **217Z1E0008**, Student of **NALLA NARASIMHA REDDY EDUCATION SOCIETY'S GROUP OF INSTITUTIONS**, has done her Internship Work in our company for a period of one month. She has completed the assigned work as per requirement within the time frame. Her performance during the period of work was satisfactory.

We wish her all the best for her future endeavors.



Mr. Madhukar Naidu

Branch Manager



Date: 25.03.2023.

TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Mr. CHEPURI SAIRAM** Roll No. **217Z1E0009**, Student of **NALLA NARASIMHA REDDY EDUCATION SOCIETY'S GROUP OF INSTITUTIONS**, has done his Internship Work in our company for a period of one month. He has completed the assigned work as per requirement within the time frame. His performance during the period of work was satisfactory.

We wish him all the best for his future endeavors.



Mr. MAHENDRA KUMAR

Asst. Manager

Opposite to Ashoka Bhopal Chambers, Begumpet, Hyderabad, TS 500003.



**POWER FINANCE
CORPORATION LIMITED**

Date: 27.03.2023

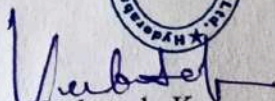
TO WHOM SO EVER IT MAY CONCERN

Duration: 30 Days

This is to certify that **Ms. DASARI MANISHA** Roll No. **217Z1E0011**, Student of **NALLA NARASIMHA REDDY EDUCATION SOCIETY'S GROUP OF INSTITUTIONS**, has done her Internship Work in our company. She has completed the assigned work as per requirement within the time frame. Her performance during the period of work was satisfactory.

We wish her all the best to her future endeavors.




M. Venkatesh K

Assistant Manager



SUNDARAM FINANCE

Enduring values. New age thinking.

Date: 25.03.2023.

TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Mr. DUBBARIGALLA RAJESH** Roll No. **217Z1E0012**, Student of **NALLA NARASIMHA REDDY EDUCATION SOCIETY'S GROUP OF INSTITUTIONS**, has done his Internship Work in our company for a period of one month. He has completed the assigned work as per requirement within the time frame. His performance during the period of work was satisfactory.

We wish him all the best for his future endeavors.



Mr. Ananda Rajan N

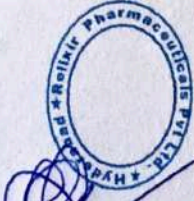
Asst. Manager

Date: 25.03.2023.

TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Ms. G. YASHWANTHI** Roll No. **217Z1E0013**, Student of **NALLA NARASIMHA REDDY EDUCATION SOCIETY'S GROUP OF INSTITUTIONS**, has done her Internship Work in our company for a period of one month. She has completed the assigned work as per requirement within the time frame. Her performance during the period of work was satisfactory.

We wish her all the best for her future endeavors.



Mrs. AASHA

Asst. Manager

Date: 27.03.2023.

TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Ms. GINNA PREMIKA** Roll No. 217Z1E0014, Student of **NALLA NARASIMHA REDDY EDUCATION SOCIETY'S GROUP OF INSTITUTIONS**, has done her Internship Work in our company for a period of one month. She has completed the assigned work as per requirement within the time frame. Her performance during the period of work was satisfactory.

We wish her all the best for her future endeavors.



Mrs. Mary

Assistant Manager

Date: 25.03.2023.

TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Mr. GOPARAJU MAHESH** Roll No. **217Z1E0015**, Student of **NALLA NARASIMHA REDDY EDUCATION SOCIETY'S GROUP OF INSTITUTIONS**, has done his Internship Work in our company for a period of one month. He has completed the assigned work as per requirement within the time frame. His performance during the period of work was satisfactory.

We wish him all the best for his future endeavors.




Mrs. Bhavani S

Asst. Manager

Date: 27.03.2023

TO WHOM SO EVER IT MAY CONCERN

Duration: 30 Days

This is to certify that **Ms. ANUDEEP GUDISE** Roll No. **217Z1E0016**, Student of **NALLA NARASIMHA REDDY EDUCATION SOCIETY'S GROUP OF INSTITUTIONS**, has done her Internship Work in our company. She has completed the assigned work as per requirement within the time frame. Her performance during the period of work was satisfactory.

We wish her all the best to her future endeavors.




M. Yogesh L

Branch Manager



AXIS BANK

Date: 25.03.2023.

TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Ms. GUGULOTH ABHINAYA** Roll No. **217Z1E0017**, Student of **NALLA NARASIMHA REDDY EDUCATION SOCIETY'S GROUP OF INSTITUTIONS**, has done her Internship Work in our company for a period of one month. She has completed the assigned work as per requirement within the time frame. Her performance during the period of work was satisfactory.

We wish her all the best for her future endeavors.



Mrs. Bhavani Shankar N

Asst. Manager



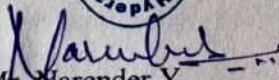
Date: 27.03.2023.

TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Ms. GUNDUMALLA SHANMUKHA SARANYA** Roll No. **217Z1E0018**, Student of **NALLA NARASIMHA REDDY EDUCATION SOCIETY'S GROUP OF INSTITUTIONS**, has done her Internship Work in our company for a period of one month. She has completed the assigned work as per requirement within the time frame. Her performance during the period of work was satisfactory.

We wish her all the best for her future endeavors.




Mr. Narender Y

Branch Manager



SURYODAY
A BANK OF SMILES

Date: 25.03.2023.

TO WHOM SO EVER IT MAY CONCERN

This is to certify that Ms. INUGALA RASHMIKA Roll No. 217Z1E0019, Student of NALLA NARASIMHA REDDY EDUCATION SOCIETY'S GROUP OF INSTITUTIONS, has done his Internship Work in our company for a period of one month. He has completed the assigned work as per requirement within the time frame. His performance during the period of work was satisfactory.

We wish him all the best for his future endeavors.



Mr. NAYAN JAGTAP

Asst. Manager



Date: 25.03.2023.

TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Ms. P.PRATHYUSHA** Roll No. **217Z1E0020**, Student of **NALLA NARASIMHA REDDY EDUCATION SOCIETY'S GROUP OF INSTITUTIONS**, has done her Internship Work in our company for a period of one month. She has completed the assigned work as per requirement within the time frame. Her performance during the period of work was satisfactory.

We wish her all the best for her future endeavors.

Mr. Nagesh Varma

Asst. Manager



Date: 25.03.2023

TO WHOM SOEVER ITMAY CONCERN

Thisistocertifythat**Mr. KOLUPULA PRASHANTH**RollNo.**217Z1E0021**,Studentof**NALLANARASIMHA REDDY EDUCATION SOCIETY'S GROUP OF INSTITUTIONS**,has done his Internship Work in our company for a period of one month. He has completed the assignedwork as per requirement within the time frame. His performance during the period of work wassatisfactory.

Wewishhimallthebestfor hisfutureendeavors.



Mr. SUNIL KUMAR K

Asst. Manager

Date: 25.03.2023



TO WHOM SOEVER ITMAY CONCERN

This is to certify that **Ms. KONDAM KAVYA** RollNo.217Z1E0022, Student of **NALLA NARASIMHA REDDY EDUCATION SOCIETY'S GROUP OF INSTITUTIONS**, has done her Internship Work in our company for a period of one month. she has completed the assigned work as per requirement within the time frame. Her performance during the period of work was satisfactory. We wish her all the best for his future endeavors.



Mr. RAHUL

Asst. Manager

SAMSUNG

Date: 27.03.2023.

TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Ms. KONDURI JAHNAVI** Roll No. **217Z1E0023**, Student of **NALLA NARASIMHA REDDY EDUCATION SOCIETY'S GROUP OF INSTITUTIONS**, has done her Internship Work in our company for a period of one month. She has completed the assigned work as per requirement within the time frame. Her performance during the period of work was satisfactory.

We wish her all the best for her future endeavors.




Mr. Arun Jain

Branch Manager

7th Floor, Gumi Delli Towers, Opposite Shoppers Stop, Begumpet-500016.

Date: 27.03.2023.

TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Ms. KUNTA MANIJYOTHI** Roll No. **217Z1E0026**, Student of **NALLA NARASIMHA REDDY EDUCATION SOCIETY'S GROUP OF INSTITUTIONS**, has done her Internship Work in our company for a period of one month. She has completed the assigned work as per requirement within the time frame. Her performance during the period of work was satisfactory.

We wish her all the best for her future endeavors.




Mrs. Rani T

Branch Manager



Date: 25.03.2023

TO WHOM SOEVER ITMAY CONCERN

This is to certify that **Mr. M LOKESHWAR REDDY** Roll No. **217Z1E0027**, Student of **NALLANARASIMHA REDDY EDUCATION SOCIETY'S GROUP OF INSTITUTIONS**, has done his Internship Work in our company for a period of one month. He has completed the assigned work as per requirement within the time frame. His performance during the period of work was satisfactory.

We wish him all the best for his future endeavors.



Mr. VIRUL P

Asst. Manager



Date: 25.03.2023

TO WHOM SOEVER ITMAY CONCERN

This is to certify that **Mr. MARKANTI DEVENDAR** Roll No. **217Z1E0028**, Student of **NALLANARASIMHA REDDY EDUCATION SOCIETY'S GROUP OF INSTITUTIONS**, has done his Internship Work in our company for a period of one month. He has completed the assigned work as per requirement within the time frame. His performance during the period of work was satisfactory.

We wish him all the best for his future endeavors.



Mr. NANDHU GOPAN

Asst. Manager


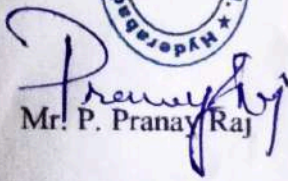
Lenovo

Date: 25.03.2023.

TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Mr. MARAKANTI SAIKUMAR** Roll No. **217Z1E0029**, Student of **NALLA NARASIMHA REDDY EDUCATION SOCIETY'S GROUP OF INSTITUTIONS**, has done his Internship Work in our company for a period of one month. He has completed the assigned work as per requirement within the time frame. His performance during the period of work was satisfactory.

We wish him all the best for his future endeavors.



Mr. P. Pranay Raj
Manager



Utkarsh Small Finance Bank
Aapki Ummood Ka Khaata

Date: 25.03.2023.

TO WHOM SOEVER ITMAY CONCERN

This is to certify that **Ms. MASNA SANDHYA** Roll No.217Z1E0030, Student of **NALLA NARASIMHA REDDY EDUCATION SOCIETY'S GROUP OF INSTITUTIONS**, has done his Internship Work in our company for a period of one month. He has completed the assigned work as per requirement within the time frame. His performance during the period of work was satisfactory.

We wish him all the best for his future endeavors.



Ms. ANKITA GUPTA

Asst. Manager

7-1-58, Concourse House Ameerpet, Hyderabad, TS 500012.

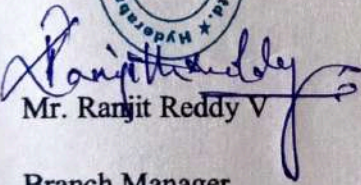
Date: 27.03.2023.

TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Mr. METHUKU MANIDEEP** Roll No. **217Z1E0031**, Student of **NALLA NARASIMHA REDDY EDUCATION SOCIETY'S GROUP OF INSTITUTIONS**, has done his Internship Work in our company for a period of one month. He has completed the assigned work as per requirement within the time frame. His performance during the period of work was satisfactory.

We wish him all the best for his future endeavors.




Mr. Ranjit Reddy V

Branch Manager

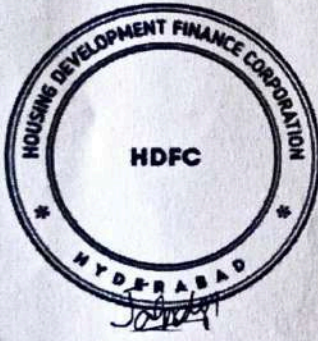


Date: 25.03.2023

TO WHOM SOEVER ITMAY CONCERN

This is to certify that **Ms. MOGILI RAMYA** Roll No.217Z1E0032, Student of **NALLA NARASIMHA REDDY EDUCATION SOCIETY'S GROUP OF INSTITUTIONS**, has done his Internship Work in our company for a period of one month. He has completed the assigned work as per requirement within the time frame. His performance during the period of work was satisfactory.

We wish him all the best for his future endeavors.



Mr. VIMAL BHANDARI

Asst. Manager

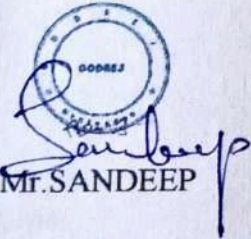
Date: 25.03.2023



TO WHOM SOEVER IT MAY CONCERN

This is to certify that **Ms. MD. Shainaz** Roll No. **217Z1E0033**, Student of **NALLANARASIMHA REDDY EDUCATION SOCIETY'S GROUP OF INSTITUTIONS**, has done his Internship Work in our company for a period of one month. He has completed the assigned work as per requirement within the time frame. His performance during the period of work was satisfactory.

We wish him all the best for his future endeavors.



Mr. SANDEEP

Asst. Manager



Date: 25.03.2023.

TO WHOM SOEVER ITMAY CONCERN

This is to certify that Ms. **MUSKE SRAVANTHI** RollNo.217Z1E0035, Student of **NALLA NARASIMHA REDDY EDUCATION SOCIETY'S GROUP OF INSTITUTIONS**, has done his Internship Work in our company for a period of one month. He has completed the assigned work as per requirement within the time frame. His performance during the period of work was satisfactory.

We wish him all the best for his future endeavors.



Mr. MAHIPAL J

Asst. Manager

IndusInd Bank

Date: 25.03.2023.

TO WHOM SOEVER ITMAY CONCERN

This is to certify that **Ms. PALVAI SRIHITHA** Roll No.217Z1E0036, Student of **NALLA NARASIMHA REDDY EDUCATION SOCIETY'S GROUP OF INSTITUTIONS**, has done his Internship Work in our company for a period of one month. He has completed the assigned work as per requirement within the time frame. His performance during the period of work was satisfactory.

We wish him all the best for his future endeavors.



Ms. BHAIRAVI DHRUV

Asst. Manager

3/1/101. Next to Sterling Hospital Thirumalgiri, Secundrabad, TS 500009



Date: 27.03.2023.

TO WHOM SO EVER IT MAY CONCERN

This is to certify that Ms. PANJALA MANISHA Roll No. 217Z1E0037, Student of NALLA NARASIMHA REDDY EDUCATION SOCIETY'S GROUP OF INSTITUTIONS, has done her Internship Work in our company for a period of one month. She has completed the assigned work as per requirement within the time frame. Her performance during the period of work was satisfactory.

We wish her all the best for her future endeavors.



M. SIDDHARTH

Manager

Date: 25.03.2023




TO WHOM SOEVER ITMAY CONCERN

This is to certify that **Ms.P. Shivani** Roll No. **217Z1E0038**, Student of **NALLANARASIMHA REDDY EDUCATION SOCIETY'S GROUP OF INSTITUTIONS**, has done his Internship Work in our company for a period of one month. He has completed the assigned work as per requirement within the time frame. His performance during the period of work was satisfactory.

We wish him all the best for his future endeavors.

[Faint signature]

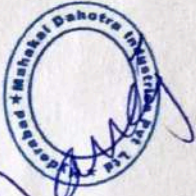

[Signature of Krishna Muthy]
Mr. KRISHNA MUTHY
Asst. Manager

Date: 27.03.2023.

TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Ms. P.PAVITHRA** Roll No. **217Z1E0040**, Student of **NALLA NARASIMHA REDDY EDUCATION SOCIETY'S GROUP OF INSTITUTIONS**, has done her Internship Work in our company for a period of one month. She has completed the assigned work as per requirement within the time frame. Her performance during the period of work was satisfactory.

We wish her all the best for her future endeavors.



Mr. S Manoj Kumar

Sales Manager



State Bank of India

Date: 25.03.2023

TO WHOM SOEVER ITMAY CONCERN

This is to certify that **Mr. Ramolla Bhanu prasad** Roll No. **217Z1E0041**, Student of **NALLANARASIMHA REDDY EDUCATION SOCIETY'S GROUP OF INSTITUTIONS**, has done his Internship Work in our company for a period of one month. He has completed the assigned work as per requirement within the time frame. His performance during the period of work was satisfactory.

We wish him all the best for his future endeavors.



Mr. Deepak Madhuri

Asst. Manager

Date: 25.03.2023



TO WHOM SOEVER ITMAY CONCERN

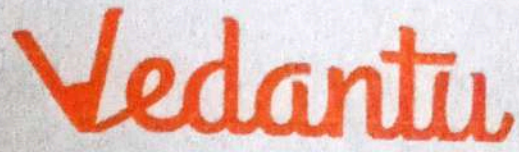
This is to certify that Mr. **R. KISHORE** Roll No. **217Z1E0042**, Student of **NALLANARASIMHA REDDY EDUCATION SOCIETY'S GROUP OF INSTITUTIONS**, has done his Internship Work in our company for a period of one month. He has completed the assigned work as per requirement within the time frame. His performance during the period of work was satisfactory.

We wish him all the best for his future endeavors.



Mr. ABHINAV
Asst. Manager

18-34 & 35, opp. Survey Of India, Uppal, Hyderabad, Ts 500039



Date: 25.03.2023.

TO WHOM SOEVER ITMAY CONCERN

This is to certify that **Ms. SHAIK NEHA FARHEEN** Roll No. **217Z1E0043**, Student of **NALLANARASIMHA REDDY EDUCATION SOCIETY'S GROUP OF INSTITUTIONS**, has done his Internship Work in our company for a period of one month. He has completed the assigned work as per requirement within the time frame. His performance during the period of work was satisfactory.

We wish him all the best for his future endeavors.



Mr. ANAND PRAKASH

Asst. Manager

ELLENDULA SANDEEP KUMAR

(Income Tax Practitioner and Sales Tax Practitioner)

H.No.1-1-97/4/1, Near Nehru Park, Siddipet, Dist : Medak - 502103 (T.S.)

Email Id : sandeep.ellendula@yahoo.in , ellendula_srinivas@yahoo.in

Dated: March 21, 2023

TO WHOMSO EVER IT MAY CONCERN

This is to certify that S. RAKESH, Roll No: 217Z1E0044 a student of NALLA NARSIMHA REDDY EDUCATION SOCIETY'S GROUP OF INSTITUTIONS has completed his internship project in our company for a period of one month. During the period of internship he was enthusiastic to learn new things.

We wish him all the best for future endeavors.



E. Sandeep

Ellendula Sandeep Kumar
(Income Tax Practitioner)
Reg.No.2/2014



RBL BANK

Date: 25.03.2023

TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Mr. SHERLA GURUPADAM** Roll No. **217Z1E0045**, Student of **NALLA NARASIMHA REDDY EDUCATION SOCIETY'S GROUP OF INSTITUTIONS**, has done his Internship Work in our company for a period of one month. He has completed the assigned work as per requirement within the time frame. His performance during the period of work was satisfactory.

We wish him all the best for his future endeavors.



Mr. VIMAL BHANDARI

Asst. Manager

1-89/4 Ragavendra nagar colony bhagyanagar colony boduppal 500092



TATA INVESTMENT CORPORATION LIMITED

Date: 25.03.2023.

TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Ms. SOFIYA PARVEEN** Roll No. **217Z1E0046**, Student of **NALLA NARASIMHA REDDY EDUCATION SOCIETY'S GROUP OF INSTITUTIONS**, has done her Internship Work in our company for a period of one month. She has completed the assigned work as per requirement within the time frame. Her performance during the period of work was satisfactory.

We wish her all the best for her future endeavors.



Mr. Amarender Reddy

Asst. Manager

Date: 27.03.2023.

TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Ms. SONALI** Roll No. **217Z1E0047**, Student of **NALLA NARASIMHA REDDY EDUCATION SOCIETY'S GROUP OF INSTITUTIONS**, has done her Internship Work in our company for a period of one month. She has completed the assigned work as per requirement within the time frame. Her performance during the period of work was satisfactory.

We wish her all the best for her future endeavors.



Mrs. Ch .Rajinikar

Branch Manager



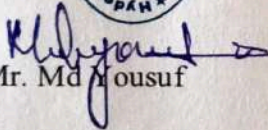
Date: 27.03.2023.

TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Ms. SURAKANTI APOORVA** Roll No. **217Z1E0048**, Student of **NALLA NARASIMHA REDDY EDUCATION SOCIETY'S GROUP OF INSTITUTIONS**, has done her Internship Work in our company for a period of one month. She has completed the assigned work as per requirement within the time frame. Her performance during the period of work was satisfactory.

We wish her all the best for her future endeavors.




Mr. Md Mousuf

Manager



Date: 27.03.2023.

TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Ms. THOKALA MEGHANA** Roll No. **217Z1E0049**, Student of **NALLA NARASIMHA REDDY EDUCATION SOCIETY'S GROUP OF INSTITUTIONS**, has done her Internship Work in our company for a period of one month. She has completed the assigned work as per requirement within the time frame. Her performance during the period of work was satisfactory.

We wish her all the best for her future endeavors.




Mr. Nagendran S

Branch Manager

Cadbury

Date: 27.03.2023.

TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Ms. THOLLA ASHWINI** Roll No. **217Z1E0050**, Student of **NALLA NARASIMHA REDDY EDUCATION SOCIETY'S GROUP OF INSTITUTIONS**, has done her Internship Work in our company for a period of one month. She has completed the assigned work as per requirement within the time frame. Her performance during the period of work was satisfactory.

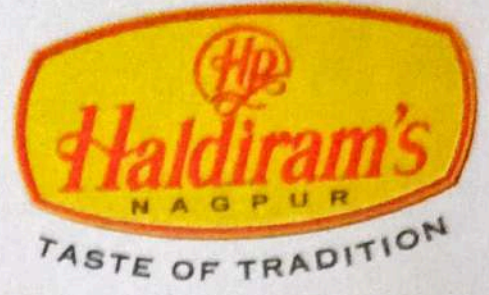
We wish her all the best for her future endeavors.



Mr. A Jaya Ram

Branch Manager

Address: Plot No D-153, Jeedimetla, Hyderabad - 500855



Date: 27.03.2023.

TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Ms. YELLAGOUNI RUSHMITHA** Roll No. **217Z1E0052**, Student of **NALLA NARASIMHA REDDY EDUCATION SOCIETY'S GROUP OF INSTITUTIONS**, has done her Internship Work in our company for a period of one month. She has completed the assigned work as per requirement within the time frame. Her performance during the period of work was satisfactory.

We wish her all the best for her future endeavors.



S Madhusudhan
Mr. S Madhusudhan

Sales Manager



Date: 27.03.2023.

TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Ms. A. SHIVANI** Roll No. **217Z1E0053**, Student of **NALLA NARASIMHA REDDY EDUCATION SOCIETY'S GROUP OF INSTITUTIONS**, has done her Internship Work in our company for a period of one month. She has completed the assigned work as per requirement within the time frame. Her performance during the period of work was satisfactory.

We wish her all the best for her future endeavors.



Mr. A. Naresh

Asst. Manager

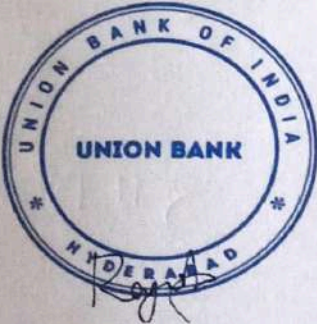


Date: 25.03.2023.

TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Mr. KANCHAM NAGARAJU** Roll No. **217Z1E0054**, Student of **NALLA NARASIMHA REDDY EDUCATION SOCIETY'S GROUP OF INSTITUTIONS**, has done his Internship Work in our company for a period of one month. He has completed the assigned work as per requirement within the time frame. His performance during the period of work was satisfactory.

We wish him all the best for his future endeavors.



Mr. RAJESHWAR RAO

Asst. Manager



NALLA NARASIMHA REDDY

Education Society's Group of Institutions - Integrated Campus

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Accredited by



Chowdariguda, Korremula (V), Ghatkesar (M), Medchal-Malkajgiri (Dist), Telangana State

Ph: +91-8415-255777, Fax: 08415-25 5666, Pin -500088

SCHOOL OF ENGINEERING

DEPARTMENT OF CIVIL ENGINEERING



CERTIFICATE

This is to certify that the major project entitled

“PLANNING AND EXECUTION OF CATCHPIT FOR A SEWAGE PIPELINE”

Carried out by

B. BHUPATHI REDDY (H. No.197Z1A0103)

K. BHARATH KUMAR (H. No.1907Z1A0108)

MD. ARSHIYA (H. No.207Z5A0106)

have submitted the major Project report and approved as per requirements and regulations of governing bod for the award of the degree of Bachelor of Technology (Civil Engineering) affiliated to Jawaharlal Nehru Technological University, Hyderabad, Telangana, India.

M.HEMANTH SAI
(Assit. Professor)
(INTERNAL GUIDE)

Date..... 20/06/2023

Mr.Y. SRINIVAS
(Professor & HoD)

Date. 21/6/23

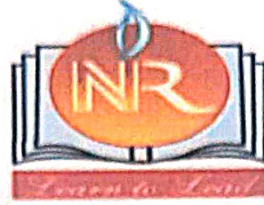
(EXTERNAL EXAMINER)

21/6/23
Date.....

Chowdariguda, Korremula (V), Ghatkesar (M), Medchal-Malkajgiri (Dist), Telangana State

Ph: +91-8415-255777, Fax: 08415-25 5666, Pin -500088

SCHOOL OF ENGINEERING
DEPARTMENT OF CIVIL ENGINEERING



CERTIFICATE

This is to certify that the major project entitled
“CONSTRUCTION OF RIGID PAVEMENT”

Carried out by

M. ARAVIND YADAV (H. No.197Z1A0110)

M. SUMANTH (H. No.197Z1A0111)

B. HARISH BABU (H. No.207Z5A0101)

have submitted the major Project report and approved as per requirements and regulations of governing body for the award of the degree of Bachelor of Technology (Civil Engineering) affiliated to Jawaharlal Nehru Technological University, Hyderabad, Telangana, India.

.....
M. KARTHIK KUMAR
(Asst. Professor)
(INTERNAL GUIDE)

Date...21/06/23

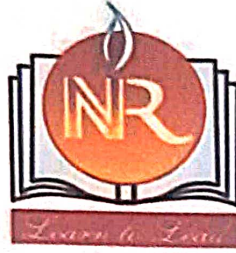
.....
Mr. Y. SRINIVAS
(Professor & HOD)

Date...21/6/23

.....
(EXTERNAL EXAMINER)

Date...21/6/23

SCHOOL OF ENGINEERING
DEPARTMENT OF CIVIL ENGINEERING



CERTIFICATE

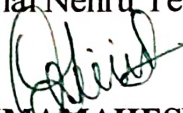
This is to certify that the project work entitled

**“SPATIO-TEMPORAL ANALYSIS OF EXTREME EVENTS OVER TELAGANA
REGION, INDIA”**

Carried out by

K PREETHAM KUMAR	(H.No.197Z1A0109)
V ASHOK	(H.No.197Z1A0114)
S AVINASH	(H.No.20845A0121)

have submitted and approved as per requirements and regulations of Governing Body for the award of the degree of Bachelor of Technology in Civil Engineering affiliated to Jawaharlal Nehru Technological University, Hyderabad, Telangana, India.


Dr. A. UMAMAHESHWARI

(Internal Guide)

Date 21/06/2023


Mr. Y. SRINIVAS

(HOD-CE)

Date 21/06/2023


EXTERNAL EXAMINER

Date 21/6/23.



NALLA NARASIMHA REDDY

Education Society's Group of Institutions - Integrated Campus

(Approved by AICTE, PCI, New Delhi. Affiliated to JNTU-Hyderabad)

Chowdariguda, Korremula (V), Ghatkesar (M), Medchal-Malkajgiri (Dist), Telangana(state),

Ph: +91-8415-255777, Fax: 08415-25 5666, Pin -500088

Accredited by



SCHOOL OF ENGINEERING

DEPARTMENT OF CIVIL ENGINEERING



CERTIFICATE

This is to certify that the major project entitled
**STUDY ON CONSTRUCTION OF STEEL BRIDGE AT RTC CROSS ROADS,
UNDER GHMC**

Carried out by

B NARESH

(H. No.197Z1A0102)

P VAMSHIDHAR REDDY

(H. No.197Z1A0113)

CH. KEERTHI SREE

(H. No.197Z1A0112)

have submitted the major Project report and approved as per requirements and regulations of governing body for the award of the degree of Bachelor of Technology (Civil Engineering) affiliated to Jawaharlal Nehru Technological University, Hyderabad, Telangana, India.

Y.SRINIVAS
(Professor & HoD)
(INTERNAL GUIDE)

Date.. 21-6-23

Y.SRINIVAS
(Professor & HoD)

Date..... 21-6-23

(EXTERNAL EXAMINER)

Date..... 21-6-23



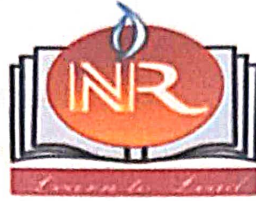
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Education Society's Group of Institutions - Integrated Campus
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Chowdariguda, Korremula (V), Ghatkesar (M), Medchal-Malkajgiri (Dist), Telangana State

Ph: +91-8415-255777, Fax: 08415-25 5666, Pin -500088

SCHOOL OF ENGINEERING
DEPARTMENT OF CIVIL ENGINEERING



CERTIFICATE

This is to certify that the major project entitled

**DESIGN ANALYSIS AND CONSTRUCTION OF 4-LANE ELEVATED CORRIDOR
FROM INDIRA PARK TO VST MAIN ROAD**

Carried out by

A.AJITH REDDY (H. No.197Z1A0101)
D.VAMSHI (H. No.207Z5A0103)
J.MANIRATHNA (H. No.207Z5A0105)

have submitted the major Project report and approved as per requirements and regulations of governing body for the award of the degree of Bachelor of Technology (Civil Engineering) affiliated to Jawaharlal Nehru Technological University, Hyderabad, Telangana, India.

Mr. P.SATHISH
Professor
(INTERNAL GUIDE)

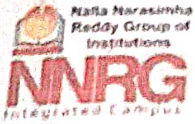
Dr. Y.SRINIVAS
(Professor & HoD)

(EXTERNAL EXAMINER)

Date.....
21/06/2023

Date.....
21/6/23

Date.....
21/06/23



NALLA NARASIMHA REDDY

Education Society's Group of Institutions - Integrated Campus

(Approved by AICTE, PCI, New Delhi. Affiliated to JNTU-Hyderabad)

Chowdariguda, Korremula (V), Ghatkesar (M), Medchal-Malkajgiri (Dist), Telangana(state),

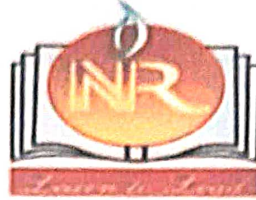
Ph: +91-8415-255777, Fax: 08415-25 5666, Pin -500088

Accredited by



SCHOOL OF ENGINEERING

DEPARTMENT OF CIVIL ENGINEERING



CERTIFICATE

This is to certify that the major project entitled

**PLANNING & EXECUTION OF RIGID PAVEMENT, WARD NO-9, RAMANTHAPUR,
UPPAL CIRCLE-2, MEDCHAL-MALKAJGIRI(D), TELANGANA(S).**

Carried out by

GANAPURAM VIVEK	(H. No.197Z1A0106)
D.SATYANARAYANA RAJU	(H. No.197Z1A0104)
MD.AMAAN HUSSAIN	(H. No.197Z1A0112)
M.NARESH	(H. No.207Z5A0107)

have submitted the major Project report and approved as per requirements and regulations of governing body for the award of the degree of Bachelor of Technology (Civil Engineering) affiliated to Jawaharlal Nehru Technological University, Hyderabad, Telangana, India.

Y.SRINIVAS
(Professor & HoD)
(INTERNAL GUIDE)

Date..... 21-6-23

Y.SRINIVAS
(Professor & HoD)

Date..... 21-6-23

(EXTERNAL EXAMINER)

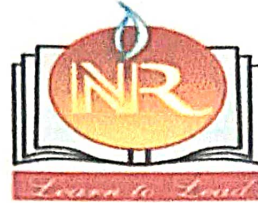
Date..... 21-6-23

Chowdariguda, Korremula (V), Ghatkesar (M), Medchal-Malkajgiri (Dist), Telangana State

Ph: +91-8415-255777, Fax: 08415-25 5666, Pin -500088

SCHOOL OF ENGINEERING

DEPARTMENT OF CIVIL ENGINEERING



CERTIFICATE

This is to certify that the major project entitled

**A DETAILED ESTIMATION AND COSTING OF NNRG CANTEEN
BUILDING**

Carried out by

D.VIGNESH (H. No.207Z5A0104)

D.UDAYKIRAN (H. No.197Z1A0105)

G.HUSSAIN (H. No.197Z1A0107)

have submitted the major Project report and approved as per requirements and regulations of governing body for the award of the degree of Bachelor of Technology (Civil Engineering) affiliated to Jawaharlal Nehru Technological University, Hyderabad, Telangana, India.

Mr. Nares
21/06/2023

Mr.NARESH
(INTERNAL GUIDE)

Date..21-06-2023

Y. Srinivas
Y.SRINIVAS
(HOD OF CIVIL DEPT)

Date..21-06-2023

External Examiner
(EXTERNAL EXAMINER)

Date..21-06-23

एन एस आई सी
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E.C.I.L X Road, Kushaiguda, Hyderabad - 500062, Telangana, India.




क्रमांक / S.No. 203909

दिनांक / Date: 16/06/2023

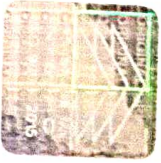
CERTIFICATE

This is to certify that Mr. / Ms. Akkapaka Sai kumar
son/daughter of Mr. Akkapaka Odelu pursuing B.Tech in EEE from
(College Name) Nalla Narasimha Reddy Education Society's Group Of Institutions
Roll No. 217Z5A0202 has successfully completed the Internship Cum Mini Project
entitled/in the area of EV Technology - Segregation of Load based on the weight PLC
_____ under
our guidance. It is a bonafide work carried out by her/him from 15/05/2023 to 14/06/2023

He/She has completed the assigned module as per the requirements within the time frame
During the above period, the trainee's conduct was found Good.


प्रशिक्षण प्रमुख

Head of Training




केन्द्र प्रमुख

Head of Centre

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E.C.I.L.X Road, Kushaiguda, Hyderabad - 500062, Telangana, India.



क्रमांक / S.No. 203908

दिनांक / Date: 16/06/2023

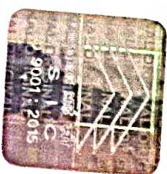
CERTIFICATE

This is to certify that Mr. / Ms. Aleti Venkata Sai
son/daughter of Mr. Aleti Rama Chander pursuing B.Tech in EEE from
(College Name) Nalla Narasimha Reddy Education Society's Group Of Institutions
Roll No. 217Z5A0203 has successfully completed the Internship Cum Mini Project
entitled/in the area of EV Technology - Design of 12V DC to 220V AC Inverter Circuit under

our guidance. It is a bonafide work carried out by her/him from 15/05/2023 to 14/06/2023
He/She has completed the assigned module as per the requirements within the time frame
During the above period, the trainee's conduct was found Good

प्रशिक्षण प्रमुख
प्रमुख

Head of Training



केन्द्र प्रमुख
प्रमुख

Head of Centre

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E.C.I.L.X Road, Kushaiguda, Hyderabad - 500062, Telangana, India.



क्रमांक / S.No. 203892

दिनांक / Date: 16/06/2023

CERTIFICATE

This is to certify that Mr. / Ms. Angala Rakesh
son/daughter of Mr. Angala Raju pursuing B.Tech in EEE from
(College Name) Nalla Narasimha Reddy Education Society's Group Of Institutions
Roll No. 217Z5A0204 has successfully completed the Internship Cum Mini Project
entitled/in the area of IOT & BASIC EMBEDDED SYSTEM - Battery Management System
Using Arduino under _____

our guidance. It is a bonafide work carried out by her/him from 15/05/2023 to 14/06/2023
He/She has completed the assigned module as per the requirements within the time frame
During the above period, the trainee's conduct was found Good


प्रशिक्षण प्रमुख

Head of Training




केन्द्र प्रमुख

Head of Centre



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E.C.I.L.X Road, Kushaiguda, Hyderabad - 500062, Telangana, India.



क्रमांक / S.No. 203921

दिनांक / Date: 16/06/2023

CERTIFICATE

This is to certify that Mr. / Ms. Ankam Sumanth
son/daughter of Mr. Ankam Gangaiah pursuing B.Tech in EEE from
(College Name) Nalla Narasimha Reddy Education Society's Group Of Institutions
Roll No. 217Z5A0205 has successfully completed the Internship Cum Mini Project
entitled/in the area of EV Technology - Techno-Feasibility Analysis of EV Charging Using MIPower
_____ under
our guidance. It is a bonafide work carried out by her/him from 15/05/2023 to 14/06/2023
He/She has completed the assigned module as per the requirements within the time frame
During the above period, the trainee's conduct was found Good

Head of Training

प्रशिक्षण प्रमुख



Head of Centre

केन्द्र प्रमुख

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E.C.I.L.X Road, Kushaiguda, Hyderabad - 500062, Telangana, India.



क्रमांक / S.No. 203896

दिनांक / Date: 16/06/2023

CERTIFICATE

This is to certify that Mr. / Ms. Banoth Shiva Kumar
son/daughter of Mr. Banoth Kobal pursuing B.Tech in EEE from
(College Name) Nalla Narasimha Reddy Education Society's Group Of Institutions
Roll No. 217Z5A0207 has successfully completed the Internship Cum Mini Project
entitled/in the area of EV Technology - Techno-Feasibility Analysis of EV Charging Using MIPOWER
under _____

our guidance. It is a bonafide work carried out by her/him from 15/05/2023 to 14/06/2023
He/She has completed the assigned module as per the requirements within the time frame
During the above period, the trainee's conduct was found Good


प्रशिक्षण प्रमुख

Head of Training




केन्द्र प्रमुख

Head of Centre



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E.C.I.L X Road, Kushaunguda, Hyderabad - 500062, Telangana, India.



क्रमांक / S.No. 203900

दिनांक / Date: 16/06/2023

CERTIFICATE

This is to certify that Mr. / Ms. Belide Ganesh

son/daughter of Mr. Belide Nagaraju pursuing B.Tech in EEE from

(College Name) Nalla Narasimha Reddy Education Society's Group Of Institutions

Roll No. 217Z5A0208 has successfully completed the Internship Cum Mini Project

entitled/in the area of EV Technology - Battery Management System Using Arduino

under

our guidance. It is a bonafide work carried out by her/him from 15/05/2023 to 14/06/2023

He/She has completed the assigned module as per the requirements within the time frame

During the above period, the trainee's conduct was found Good

प्रशिक्षण प्रमुख

Head of Training



केन्द्र प्रमुख

Head of Centre



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E.C.I.L.X Road, Kushaiguda, Hyderabad - 500062, Telangana, India.



क्रमांक / S.No. 203894

दिनांक / Date: 16/06/2023

CERTIFICATE

This is to certify that Mr. / Ms. Bhukya Anil

son/daughter of Mr. Bhukya Nabaji pursuing B.Tech in EEE from

(College Name) Nalla Narasimha Reddy Education Society's Group Of Institutions

Roll No. 217Z5A0209 has successfully completed the Internship Cum Mini Project

entitled/in the area of EV Technology - Techno-Feasibility Analysis of EV Charging Using MIPower

under

our guidance. It is a bonafide work carried out by her/him from 15/05/2023 to 14/06/2023

He/She has completed the assigned module as per the requirements within the time frame

During the above period, the trainee's conduct was found Good


प्रशिक्षण प्रमुख

Head of Training




केन्द्र प्रमुख

Head of Centre



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E.C.I.L.X Road, Kusthaiguda, Hyderabad - 500062, Telangana, India.



क्रमांक / S.No. 203899

दिनांक / Date: 16/06/2023

CERTIFICATE

This is to certify that Mr. / Ms. Bhukya Praveen Kumar
son/daughter of Mr. Bhukya Kishan pursuing B.Tech in EEE from
(College Name) Nalla Narasimha Reddy Education Society's Group Of Institutions
Roll No. 217Z5A0210 has successfully completed the Internship Cum Mini Project
entitled/in the area of EV Technology - Battery Management System Using Arduino
_____ under

our guidance. It is a bonafide work carried out by her/him from 15/05/2023 to 14/06/2023
He/She has completed the assigned module as per the requirements within the time frame
During the above period, the trainee's conduct was found Good


शिक्षण प्रमुख

Head of Training




केन्द्र प्रमुख

Head of Centre



एन एस आई सी
N S I C

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E.C.I.L X Road, Kushaiguda, Hyderabad - 500062, Telangana, India.



क्रमांक / S.No. 203915

दिनांक / Date: 16/06/2023

CERTIFICATE

This is to certify that Mr. / Ms. Bushaboina Srinath

son/daughter of Mr. Bushaboina Parvathalu pursuing B.Tech in EEE from

(College Name) Nalla Narasimha Reddy Education Society's Group Of Institutions

Roll No. 217Z5A0211 has successfully completed the Internship Cum Mini Project

entitled/in the area of EV Technology - Design of Solar Based EV Battery Charging system

_____ under

our guidance. It is a bonafide work carried out by her/him from 15/05/2023 to 14/06/2023


He/She has completed the assigned module as per the requirements within the time frame

During the above period, the trainee's conduct was found Good


प्रशिक्षण प्रमुख

Head of Training




केन्द्र प्रमुख

Head of Centre



एन एस आई सी
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E.C.I.L.X Road, Kushaiguda, Hyderabad - 500062, Telangana, India.



क्रमांक / S.No. 203919

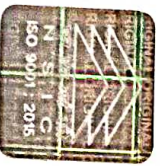
दिनांक / Date: 16/06/2023

CERTIFICATE

This is to certify that Mr. / Ms. Chandrayangudem Pranay Kumar
son/daughter of Mr. Chandrayangudem Narsimlu pursuing B.Tech in EEE from
(College Name) Nalla Narasimha Reddy Education Society's Group Of Institutions
Roll No. 217Z5A0212 has successfully completed the Internship Cum Mini Project
entitled/in the area of EV Technology - Design of Solar Based EV Battery Charging System
_____ under
our guidance. It is a bonafide work carried out by her/him from 15/05/2023 to 14/06/2023
He/She has completed the assigned module as per the requirements within the time frame
During the above period, the trainee's conduct was found Good

शशिकाण प्रभुख

Head of Training



केन्द्र प्रभुख

Head of Centre

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E.C.I.L.X Road, Kushaiguda, Hyderabad - 500062, Telangana, India.



क्रमांक / S.No. 203901

दिनांक / Date: 16/06/2023

CERTIFICATE

This is to certify that Mr. / Ms. Cheruku Geervani
son/daughter of Mr. Cheruku Raju Goud pursuing B.Tech in EEE from
(College Name) Nalla Narasimha Reddy Education Society's Group Of Institutions
Roll No. 217Z5A0214 has successfully completed the Internship Cum Mini Project
entitled/in the area of EV Technology - Design of 12V DC to 220V AC Inverter Circuit
_____ under

our guidance. It is a bonafide work carried out by her/him from 15/05/2023 to 14/06/2023
He/She has completed the assigned module as per the requirements within the time frame
During the above period, the trainee's conduct was found Good.

प्रशिक्षण प्रमुख

Head of Training



केन्द्र प्रमुख

Head of Centre

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क्रमांक / S.No. 203888

दिनांक / Date: 16/06/2023

CERTIFICATE

This is to certify that Mr. / Ms. Dasari Vaishnavi
son/daughter of Mr. Dasari Ravikumar pursuing B.Tech in EEE from
(College Name) Nalla Narasimha Reddy Education Society's Group Of Institutions
Roll No. 217Z5A0215 has successfully completed the Internship Cum Mini Project
entitled/in the area of EV Technology - Battery Management System Using Arduino
_____ under _____

our guidance. It is a bonafide work carried out by her/him from 15/05/2023 to 14/06/2023
He/She has completed the assigned module as per the requirements within the time frame
During the above period, the trainee's conduct was found Good


प्रशिक्षण प्रमुख

Head of Training




केन्द्र प्रमुख

Head of Centre



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क्रमांक / S.No. 203898

दिनांक / Date: 16/06/2023

CERTIFICATE

This is to certify that Mr. / Ms. Dhage Manoj

son/daughter of Mr. Dhage Mohan Rao pursuing B.Tech in EEE from

(College Name) Nalla Narasimha Reddy Education Society's Group Of Institutions

Roll No. 217Z5A0216 has successfully completed the Internship Cum Mini Project

entitled/in the area of EV Technology - Battery Pack Modelling Using C-Rate

under

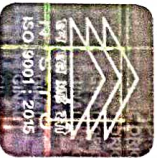
our guidance. It is a bonafide work carried out by her/him from 15/05/2023 to 14/06/2023


He/She has completed the assigned module as per the requirements within the time frame

During the above period, the trainee's conduct was found Good


प्रशिक्षण प्रमुख

Head of Training




केन्द्र प्रमुख

Head of Centre



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क्रमांक / S.No. 203890

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E.C.I.L X Road, Kushaiguda, Hyderabad - 500062, Telangana, India.



दिनांक / Date: 16/06/2023

CERTIFICATE

This is to certify that Mr. / Ms. Erigirala Rahul Charan

son/daughter of Mr. Erigirala Lingaiah pursuing B.Tech in EEE from
(College Name) Nalla Narasimha Reddy Education Society's Group Of Institutions

Roll No. 217Z5A0217 has successfully completed the Internship Cum Mini Project
entitled/in the area of EV Technology - Design of Solar Based EV Battery Charging system

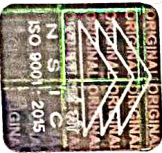
_____ under
our guidance. It is a bonafide work carried out by her/him from 15/05/2023 to 14/06/2023

He/She has completed the assigned module as per the requirements within the time frame

During the above period, the trainee's conduct was found Good


प्रशिक्षण प्रमुख

Head of Training




केन्द्र प्रमुख

Head of Centre

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क्रमांक / S.No. 203885

दिनांक / Date: 16/06/2023

CERTIFICATE

This is to certify that Mr. / Ms. Gaddam Sai Kumar

son/daughter of Mr. Gaddam Mallesh pursuing B.Tech in EEE from

(College Name) Nalla Narasimha Reddy Education Society's Group Of Institutions

Roll No. 217Z5A0219 has successfully completed the Internship Cum Mini Project

entitled/in the area of EV Technology - Techno-Feasibility Analysis of EV Charging Using MIPOWER

_____ under _____

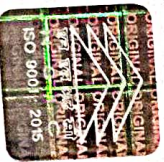
our guidance. It is a bonafide work carried out by her/him from 15/05/2023 to 14/06/2023

He/She has completed the assigned module as per the requirements within the time frame

During the above period, the trainee's conduct was found Good


प्रशिक्षण प्रमुख

Head of Training




केन्द्र प्रमुख

Head of Centre

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E.C.I.L.L X Road, Kushaiguda, Hyderabad - 500062, Telangana, India.




क्रमांक / S.No. 203920

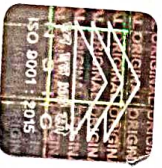
दिनांक / Date: 16/06/2023


CERTIFICATE

This is to certify that Mr. / Ms. Gaddam Venkatesh
son/daughter of Mr. Gaddam Kistaiah pursuing B.Tech in EEE from
(College Name) Nalla Narasimha Reddy Education Society's Group Of Institutions
Roll No. 217Z5A0220 has successfully completed the Internship Cum Mini Project
entitled/in the area of EV Technology - Battery Management System Using Arduino

our guidance. It is a bonafide work carried out by her/him from 15/05/2023 to 14/06/2023 under
He/She has completed the assigned module as per the requirements within the time frame
During the above period, the trainee's conduct was found Good


प्रशिक्षण प्रमुख
Head of Training




केन्द्र प्रमुख
Head of Centre

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क्रमांक / S.No. 203910

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दिनांक / Date: 16/06/2023

CERTIFICATE

This is to certify that Mr. / Ms. Guggilla Malleshham

son/daughter of Mr. Guggilla Kanaka Chandraiah pursuing B.Tech in EEE from
(College Name) Nalla Narasimha Reddy Education Society's Group Of Institutions

Roll No. 217Z5A0221 has successfully completed the Internship Cum Mini Project
entitled/in the area of EV Technology - Segregation of Load based on the weight PLC

our guidance. It is a bonafide work carried out by her/him from 15/05/2023 to 14/06/2023
under

He/She has completed the assigned module as per the requirements within the time frame

During the above period, the trainee's conduct was found Good


प्रशिक्षण प्रमुख

Head of Training




केन्द्र प्रमुख

Head of Centre



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क्रमांक / S.No. 203918

दिनांक / Date: 16/06/2023

CERTIFICATE

This is to certify that Mr. / Ms. Gunti Prabhucharan

son/daughter of Mr. Gunti Koteswar Rao pursuing B.Tech in EEE from

(College Name) Nalla Narasimha Reddy Education Society's Group Of Institutions

Roll No. 217Z5A0223 has successfully completed the Internship Cum Mini Project

entitled/in the area of EV Technology - Segregation of Load based on the weight PLC

_____ under _____

our guidance. It is a bonafide work carried out by her/him from 15/05/2023 to 14/06/2023

He/She has completed the assigned module as per the requirements within the time frame

During the above period, the trainee's conduct was found Good


शिक्षण प्रमुख

Head of Training




केन्द्र प्रमुख

Head of Centre



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क्रमांक / S.No. 203907

CERTIFICATE

दिनांक / Date: 16/06/2023

This is to certify that Mr. / Ms. Kandhukuri Pavan

son/daughter of Mr. Kandhukuri Ramesh pursuing B.Tech in EEE from
(College Name) Nalla Narasimha Reddy Group of Institutions

Roll No. 217Z5A0226 has successfully completed the Internship Cum Mini Project
entitled/in the area of EV Technology- Design of 12V DC to 220V AC Inverter Circuit

_____ under
our guidance. It is a bonafide work carried out by her/him from 15/05/2023 to 14/06/2023

He/She has completed the assigned module as per the requirements within the time frame

During the above period, the trainee's conduct was found Good


प्रशिक्षण प्रमुख

Head of Training




केन्द्र प्रमुख

Head of Centre

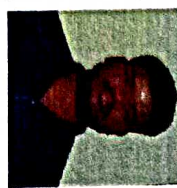


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क्रमांक / S.No. 203917

दिनांक / Date: 16/06/2023

CERTIFICATE

This is to certify that Mr. / Ms. Kanukuntla Karthik

son/daughter of Mr. Kanukuntla Laxmaiah pursuing B.Tech in EEE from

(College Name) Nalla Narasimha Reddy Group of Institutions

Roll No. 217Z5A0227 has successfully completed the Internship Cum Mini Project

entitled/in the area of EV Technology - Design of 12V to 220V AC Inverter Circuit under

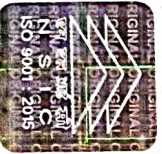
our guidance. It is a bonafide work carried out by her/him from 15/05/2023 to 14/06/2023


He/She has completed the assigned module as per the requirements within the time frame

During the above period, the trainee's conduct was found Good


प्रशिक्षण प्रमुख

Head of Training




केन्द्र प्रमुख

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क्रमांक / S.No. 203893

दिनांक / Date: 16/06/2023

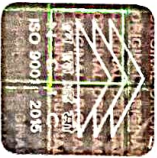
CERTIFICATE

This is to certify that Mr. / Ms. Kasa Venkata Naga Padma Sri
son/daughter of Mr. Kasa Umamaheshwar Rao pursuing B.Tech in EEE from
(College Name) Nalla Narasimha Reddy Education Society's Group Of Institutions
Roll No. 217Z5A0228 has successfully completed the Internship Cum Mini Project
entitled/in the area of EV Technology - Techno-Feasibility Analysis of EV Charging Using MIPOWER
_____ under
our guidance. It is a bonafide work carried out by her/him from 15/05/2023 to 14/06/2023

He/She has completed the assigned module as per the requirements within the time frame
During the above period, the trainee's conduct was found Good.


प्रशिक्षण प्रमुख

Head of Training




केन्द्र प्रमुख

Head of Centre

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क्रमांक / S.No. 203897

दिनांक / Date: 16/06/2023

CERTIFICATE

This is to certify that Mr. / Ms. Konda Venkata Sai Rahul

son/daughter of Mr. Konda Kumara Swamy pursuing B.Tech in EEE from

(College Name) Nalla Narasimha Reddy Education Society's Group Of Institutions

Roll No. 217Z5A0230 has successfully completed the Internship Cum Mini Project

entitled/in the area of EV Technology - Battery Pack Modelling Using C-Rate

under

our guidance. It is a bonafide work carried out by her/him from 15/05/2023 to 14/06/2023

He/She has completed the assigned module as per the requirements within the time frame

During the above period, the trainee's conduct was found Good.


शशिकांत प्रगुख

Head of Training




केन्द्र प्रगुख

Head of Centre



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क्रमांक / S.No. 203895

दिनांक / Date: 16/06/2023

CERTIFICATE

This is to certify that Mr. / Ms. Manda Ajay Kumar

son/daughter of Mr. Manda Raju pursuing B.Tech in EEE from

(College Name) Nalla Narasimha Reddy Education Society's Group Of Institutions

Roll No. 217Z5A0237 has successfully completed the Internship Cum Mini Project

entitled/in the area of EV Technology - Battery Pack Modelling Using C-Rate

_____ under

our guidance. It is a bonafide work carried out by her/him from 15/05/2023 to 14/06/2023

He/She has completed the assigned module as per the requirements within the time frame

During the above period, the trainee's conduct was found Good.


प्रशिक्षण प्रमुख

Head of Training



केन्द्र प्रमुख

Head of Centre



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क्रमांक / S.No. 203914

दिनांक / Date: 16/06/2023

CERTIFICATE

This is to certify that Mr. / Ms. Neerati Tharun
son/daughter of Mr. Neerati Saraiha pursuing B.Tech in EEE from
(College Name) Nalla Narasimha Reddy Education Society's Group Of Institutions
Roll No. 217Z5A0240 has successfully completed the Internship Cum Mini Project
entitled/in the area of EV Technology - Design of 12V DC to 220V AC Inverter Circuit
_____ under
our guidance. It is a bonafide work carried out by her/him from 15/05/2023 to 14/06/2023

He/She has completed the assigned module as per the requirements within the time frame
During the above period, the trainee's conduct was found Good


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Head of Training




केन्द्र प्रमुख

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E.C.I.L.X Road, Kushaiguda, Hyderabad - 500062, Telangana, India.



क्रमांक / S.No. 203911

CERTIFICATE

दिनांक / Date: 16/06/2023

This is to certify that Mr. / Ms. Nidanapalli Deepak

son/daughter of Mr. Nidanapalli Veeraiah pursuing B.Tech in EEE from
(College Name) Nalla Narasimha Reddy Education Society's Group Of Institutions

Roll No. 217Z5A0241 has successfully completed the Internship Cum Mini Project
entitled/in the area of EV Technology - Design of Solar Based EV Battery Charging System

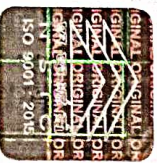
_____ under
our guidance. It is a bonafide work carried out by her/him from 15/05/2023 to 14/06/2023


He/She has completed the assigned module as per the requirements within the time frame

During the above period, the trainee's conduct was found Good


प्रशिक्षण प्रमुख

Head of Training




केन्द्र प्रमुख

Head of Centre

एन एस आई सी
N S I C



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THE NATIONAL SMALL INDUSTRIES CORPORATION LTD.
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E.C.I.L.X Road, Kushaiguda, Hyderabad - 500062, Telangana, India.




क्रमांक / S.No. 203891

दिनांक / Date: 16/06/2023

CERTIFICATE

This is to certify that Mr. / Ms. Palla Ruth Ratna Deepthi
son/daughter of Mr. Palla Thomas Prasanna Kumar pursuing B.Tech in EEE from
(College Name) Nalla Narasimha Reddy Education Society's Group Of Institutions
Roll No. 217Z5A0242 has successfully completed the Internship Cum Mini Project
entitled/in the area of EV Technology - Segregation of Load based on the weight PLC
_____ under
our guidance. It is a bonafide work carried out by her/him from 15/05/2023 to 14/06/2023
He/She has completed the assigned module as per the requirements within the time frame
During the above period, the trainee's conduct was found Good

Head of Training


प्रशिक्षण प्रमुख



Head of Centre


केन्द्र प्रमुख



एन एस आई सी
N S I C

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E.C.I.L.X Road, Kushaiguda, Hyderabad - 500062, Telangana, India.



क्रमांक / S.No. 203916

दिनांक / Date: 16/06/2023

CERTIFICATE

This is to certify that Mr. / Ms. Pittala Kiran

son/daughter of Mr. Pittala Ramchander pursuing B.Tech in EEE from

(College Name) Nalla Narasimha Reddy Education Society's Group Of Institutions

Roll No. 217Z5A0247 has successfully completed the Internship Cum Mini Project

entitled/in the area of EV Technology - Battery Pack Modelling Using C-Rate

_____ under _____

our guidance. It is a bonafide work carried out by her/him from 15/05/2023 to 14/06/2023


He/She has completed the assigned module as per the requirements within the time frame

During the above period, the trainee's conduct was found Good


शशिकाण्त प्रमुख

Head of Training




केन्द्र प्रमुख

Head of Centre



एन एस आई सी
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E.C.I.L X Road, Kusthaiguda, Hyderabad - 500062, Telangana, India.



क्रमांक / S.No. 203912

दिनांक / Date: 16/06/2023

CERTIFICATE

This is to certify that Mr. / Ms. Vadlakonda Vinay Kumar

son/daughter of Mr. Vadlakonda Shankar pursuing B.Tech in EEE from

(College Name) Nalla Narasimha Reddy Education Society's Group Of Institutions

Roll No. 217Z5A0252 has successfully completed the Internship Cum Mini Project

entitled/in the area of EV Technology - Design of Solar Based EV Battery Charging System

_____ under

our guidance. It is a bonafide work carried out by her/him from 15/05/2023 to 14/06/2023

He/She has completed the assigned module as per the requirements within the time frame

During the above period, the trainee's conduct was found Good


प्रशिक्षण प्रमुख

Head of Training




केन्द्र प्रमुख

Head of Centre

PELINT0147 /INTERNSHIP/PE/2023-2024

COMPLETION CERTIFICATION

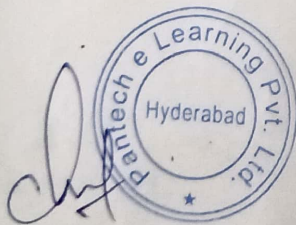
This is to certify that **Mr./Ms MADURI GANESH**,
Roll Number **(217Z5A0235)**, who is pursuing(**ELECTRICAL AND ELECTRONICS
ENGINEERING**) Department **NALLA NARSIMHA REDDY GROUP OF INSTITUTIONS**
,has successfully completed his/her Internship at, **Pantech e Learning Pvt. Ltd** on (“**The design
and analysis of large solar pv frame configurations with DC connected**”) under the guidance of
Mr./MS K.VAMSI in our organization.

During the Internship period, the candidate has shown keen interest and
commitment towards learning and his/her performance was good.

Duration of Internship From: 15/05/2023 to 15/06/2023

Yours truly,

Pantech E Learning Pvt.Ltd,



Chinnasamy C

(Branch Manager)

Pantech eLearning Pvt Ltd.,
4th Floor, Delta Chambers,
Behind Chennai Shopping Mall, Ameerpet, Hyderabad, Telangana 500016
Phone: 91 040 40077960 | hr@pantechmail.com

PELINT0181 /INTERNSHIP/PE/2023-2024

COMPLETION CERTIFICATION

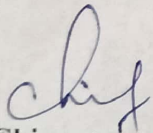
This is to certify that **Mr./Ms REKHALA SAMEL PAL**,
Roll Number (217Z5A0249), who is pursuing(**ELECTRICAL AND ELECTRONICS
ENGINEERING**) Department **NALLA NARSIMHA REDDY GROUP OF INSTITUTIONS**
,has successfully completed his/her Internship at, **Pantech e Learning Pvt. Ltd** on (“brushless dc
motor drives”) under the guidance of **Mr./MSK.VAMSI** in our organization.

During the Internship period, the candidate has shown keen interest and
commitment towards learning and his/her performance was good.

Duration of Internship From: 15/05/2023 to 15/06/2023

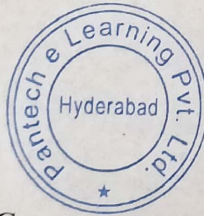
Yours truly,

Pantech E Learning Pvt.Ltd,



Chinnasamy C

(Branch Manager)



Pantech eLearning Pvt Ltd.,

4th Floor, Delta Chambers,

Behind Chennai Shopping Mall, Ameerpet, Hyderabad, Telangana 500016

Phone: 91 040 40077960 | hr@pantechmail.com

PELINT0144 /INTERNSHIP/PE/2023-2024

COMPLETION CERTIFICATION

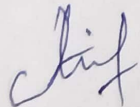
This is to certify that **Mr./Ms SANGU VENU**,
Roll Number (217Z5A0250), who is pursuing(**ELECTRICAL AND ELECTRONICS
ENGINEERING**) Department **NALLA NARSIMHA REDDY GROUP OF INSTITUTIONS**
,has successfully completed his/her Internship at, **Pantech e Learning Pvt. Ltd** on (“Ev 4 wheel”)
under the guidance of **Mr./MS K.VAMSI** in our organization.

During the Internship period, the candidate has shown keen interest and
commitment towards learning and his/her performance was good.

Duration of Internship From: 15/05/2023 to 15/06/2023

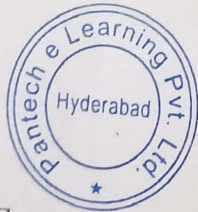
Yours truly,

Pantech E Learning Pvt.Ltd,



Chinnasamy C

(Branch Manager)



PELINT0116 /INTERNSHIP/PE/2023-2024

COMPLETION CERTIFICATION

This is to certify that **Mr./Ms CHENNURI SAI KRISHNA**,
Roll Number (217Z5A0213), who is pursuing(**ELECTRICAL AND ELECTRONICS
ENGINEERING**) Department **NALLA NARSIMHA REDDY GROUP OF INSTITUTIONS**
,has successfully completed his/her Internship at, **Pantech e Learning Pvt. Ltd** on (“EV 4wheels”)
under the guidance of **Mr./MSK.VAMSI**in our organization.

During the Internship period, the candidate has shown keen interest and
commitment towards learning and his/her performance was good.

Duration of Internship From: 15/05/2023 to 15/06/2023

Yours truly,

Pantech E Learning Pvt.Ltd,



Chinnasamy C

(Branch Manager)

Pantech eLearning Pvt Ltd.,
4th Floor, Delta Chambers,
Behind Chennai Shopping Mall, Ameerpet, Hyderabad, Telangana 500016
Phone: 91 040 40077960 | hr@pantechmail.com

PELINT0146 /INTERNSHIP/PE/2023-2024

COMPLETION CERTIFICATION

This is to certify that **Mr./Ms PANDI SATHISH KUMAR**, Roll Number (217Z5A0243), who is pursuing(**ELECTRICAL AND ELECTRONICS ENGINEERING**) Department **NALLA NARSIMHA REDDY GROUP OF INSTITUTIONS**, has successfully completed his/her Internship at, **Pantech e Learning Pvt. Ltd** on (“Switched capacitor voltage boost converter ev”) under the guidance of **Mr./MS K.VAMSI** in our organization.

During the Internship period, the candidate has shown keen interest and commitment towards learning and his/her performance was good.

Duration of Internship From: 15/05/2023 to 15/06/2023

Yours truly,

Pantech E Learning Pvt.Ltd,




Chinnasamy C

(Branch Manager)

Pantech eLearning Pvt Ltd.,
4th Floor, Delta Chambers,
Behind Chennai Shopping Mall, Ameerpet, Hyderabad, Telangana 500016
Phone: 91 040 40077960 | hr@pantechmail.com

PELINT0145 /INTERNSHIP/PE/2023-2024

COMPLETION CERTIFICATION

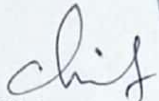
This is to certify that Mr./Ms KASTURI SHIVAMANI, Roll Number (217Z5A0229), who is pursuing(ELECTRICAL AND ELECTRONICS ENGINEERING) Department NALLA NARSIMHA REDDY GROUP OF INSTITUTIONS ,has successfully completed his/her Internship at, Pantech e Learning Pvt. Ltd on (“Solar PV frame”) under the guidance of Mr./MS K.VAMSI in our organization.

During the Internship period, the candidate has shown keen interest and commitment towards learning and his/her performance was good.

Duration of Internship From: 15/05/2023 to 15/06/2023

Yours truly,

Pantech E Learning Pvt.Ltd,


Chinnasamy C

(Branch Manager)



Pantech eLearning Pvt Ltd.,
4th Floor, Delta Chambers,
Behind Chennai Shopping Mall, Ameerpet, Hyderabad, Telangana 500016
Phone: 91 040 40077960 | hr@pantechmail.com

PELINT0149 /INTERNSHIP/PE/2023-2024

COMPLETION CERTIFICATION

This is to certify that **Mr./Ms PUNEM RATNAKAR DORA**, Roll Number (**217Z5A0248**), who is pursuing(**ELECTRICAL AND ELECTRONICS ENGINEERING**) Department **NALLA NARSIMHA REDDY GROUP OF INSTITUTIONS**, has successfully completed his/her Internship at, **Pantech e Learning Pvt. Ltd** on (“**Power quality improvements in a Zeta converter for brushless dc motor drives**”) under the guidance of **Mr./MS K.VAMSI** in our organization.

During the Internship period, the candidate has shown keen interest and commitment towards learning and his/her performance was good.

Duration of Internship From: 15/05/2023 to 15/06/2023

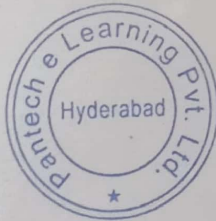
Yours truly,

Pantech E Learning Pvt.Ltd,



Chinnasamy C

(Branch Manager)



Pantech eLearning Pvt Ltd.,
4th Floor, Delta Chambers,
Behind Chennai Shopping Mall, Ameerpet, Hyderabad, Telangana 500016
Phone: 91 040 40077960 | hr@pantechmail.com

ELINT0434 /INTERNSHIP/PE/2023-2024

COMPLETION CERTIFICATION

This is to certify that Mr./Ms PERABOINA RAKESH, Roll Number (217Z5A0246), who is pursuing(ELECTRICAL AND ELECTRONICS ENGINEERING) Department NALLA NARSIMHA REDDY GROUP OF INSTITUTIONS ,has successfully completed his/her Internship at, Pantech e Learning Pvt. Ltd on ("EV VEHICLE") under the guidance of Mr./MS K.VAMSI in our organization.

During the Internship period, the candidate has shown keen interest and commitment towards learning and his/her performance was good.

Duration of Internship From: 15/05/2023 to 15/06/2023

Yours truly,

Pantech E Learning Pvt.Ltd,


Chinnasamy C

(Branch Manager)



Pantech eLearning Pvt Ltd,

4th Floor, Delta Chambers,

Behind Chennai Shopping Mall, Ameerpet, Hyderabad, Telangana 500016

Phone: 91 040 40077960 | hr@pantechmail.com

PELINT0148 /INTERNSHIP/PE/2023-2024

COMPLETION CERTIFICATION

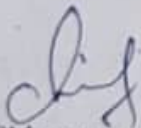
This is to certify that **Mr./Ms KUNSOOTH VASANTH**, Roll Number **(217Z5A0233)**, who is pursuing(**ELECTRICAL AND ELECTRONICS ENGINEERING**) Department **NALLA NARSIMHA REDDY GROUP OF INSTITUTIONS** ,has successfully completed his/her Internship at, **Pantech e Learning Pvt. Ltd** on (“Solar PV frame”) under the guidance of **Mr./MSK.VAMSI**in our organization.

During the Internship period, the candidate has shown keen interest and commitment towards learning and his/her performance was good.

Duration of Internship From: 15/05/2023 to 15/06/2023

Yours truly,

Pantech E Learning Pvt.Ltd,



Chinnasamy C

(Branch Manager)



Pantech eLearning Pvt Ltd.,

4th Floor, Delta Chambers,

Behind Chennai Shopping Mall, Ameerpet, Hyderabad, Telangana 500016

Phone: 91 040 40077960 | hr@pantechmail.com

A

MAJOR PROJECT ON

**Identification Of Diabetic Retinopathy Using the Retinal
Images Using Image Processing**

(A report submitted in partial fulfilment of the requirements for the degree of Bachelor of
Technology in Electrical and Electronics Engineering)

Submitted by

R.VENKATESH (187Z1A0222)

Under the Guidance of

P.SAI JYOTHI(M.Tech)

Assistant Professor



Department of Electrical & Electronics Engineering

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500088, Telangana state.

2022-2023

A

MAJOR PROJECT ON

**Identification Of Diabetic Retinopathy Using the Retinal
Images Using Image Processing**

(A report submitted in partial fulfilment of the requirements for the degree of Bachelor of
Technology in Electrical and Electronics Engineering)

Submitted by

B.RUCHITHA (197Z1A0201)

Under the Guidance of

P.SAI JYOTHI(M.Tech)

Assistant Professor



Department of Electrical & Electronics Engineering

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500088, Telangana state.

2022-2023

A MAJOR PROJECT REPORT

ON

“CONTROL OF A THREE-PHASE HYBRID CONVERTER FOR A PV CHARGING STATION”

*(A report submitted in partial fulfillment of the requirement for the degree of
Bachelor of Technology in Electrical and Electronics Engineer)*

Submitted by

CHILAKALA NARENDHAR (197Z1A0202)

Under the Esteemed Guidance of
Mr.DR.P.RAMESH
Professor



Department of Electrical & Electronics Engineering

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www.nnrg.edu.in

A. Y: 2022-2023

A MAJOR PROJECT REPORT
ON
**“POWER QUALITY IMPROVEMENT IN HYBRID POWER
SYSTEM USING D-STATCOM”**

*(A report submitted in partial fulfillment of the requirement for the degree of
Bachelor of Technology in Electrical and Electronics Engineer)*

Submitted by

DHARAVATH SIDDU(197Z1A0203)

Under the Esteemed Guidance of
Mr .N. UMAMAHESHWAR
Assistant professor



Department of Electrical & Electronics Engineering

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www.nnrg.edu.in

A.Y:2022-2023

A MAJOR PROJECT REPORT

ON

**“Improvement of Power System Stability Using Static
Synchronous Series Compensator (SSSC)”**

*(A report submitted in partial fulfillment of the requirement for the degree of
Bachelor of Technology in Electrical and Electronics Engineer)*

Submitted by

CHINTALA SHIVAREDDY (207Z5A0201)

Under the Esteemed Guidance of
Mr .J. KISHORE BABU
Assistant professor



Department of Electrical & Electronics Engineering

NALLA NARASIMHA REDDY
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www.nnrg.edu.in

A. Y: 2022-2023

A MAJOR PROJECT REPORT

ON

“PERFORMANCE OF INDUCTION MOTOR WITH MULTI LEVEL INVERTER FOR ELECTRIC VEHICLES”

*(A report submitted in partial fulfilment of the requirement for the degree of
Bachelor of Technology in Electrical and Electronics Engineer)*

Submitted by

D.SAI PRAKASH (207Z5A0202)

Under The Esteemed Guidance of
Mr.G.SANDEEP RAO
Assistant Professor



Department of Electrical & Electronics Engineering

NALLA NARASIMHA REDDY

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www.nnrg.edu.in

A. Y:2022-2023

A MAJOR PROJECT REPORT

ON

**“Improvement of Power System Stability Using Static
Synchronous Series Compensator (SSSC)”**

*(A report submitted in partial fulfillment of the requirement for the degree of
Bachelor of Technology in Electrical and Electronics Engineer)*

Submitted by

KAMUNI VAMSHIKRISHNA (207Z5A0203)

Under the Esteemed Guidance of
Mr .J. KISHORE BABU
Assistant professor



Department of Electrical & Electronics Engineering

NALLA NARASIMHA REDDY
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www.nnrg.edu.in

A. Y:2022-2023

A

MAJOR PROJECT ON
**“Solar PV Array Based Off Board Electric Vehicle
Batteries Charger”**

(A report submitted in partial fulfilment of the requirements for the degree of Bachelor of
Technology in Electrical and Electronics Engineering)

Submitted by

M.DHARANI (207Z5A0204)

Under the Guidance of

Mr. NOMULA UMA MAHESHWAR (M. TECH)
Assistant Professor



Department of Electrical & Electronics Engineering

**NALLA NARASIMHA REDDY EDUCATION
SOCIETIE'S GROUP OF INSTITUTIONS**

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500088, Telangana state.

2022-2023

A MAJOR PROJECT REPORT
ON
**“POWER QUALITY IMPROVEMENT IN HYBRID POWER
SYSTEM USING D-STATCOM”**

*(A report submitted in partial fulfillment of the requirement for the degree of
Bachelor of Technology in Electrical and Electronics Engineer)*

Submitted by

MAMIDIPALLI PAVAN(207Z5A0205)

Under the Esteemed Guidance of
Mr .N. UMAMAHESHWAR
Assistant professor



Department of Electrical & Electronics Engineering

NALLA NARASIMHA REDDY

EDUCATION SOCIETY'S GROUP OF INSTITUTIONS

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www.nnrg.edu.in

A. Y:2022-2023

A MAJOR PROJECT REPORT
ON
**“Improvement of Power System Stability Using Static
Synchronous Series Compensator (SSSC)”**

*(A report submitted in partial fulfillment of the requirement for the degree of
Bachelor of Technology in Electrical and Electronics Engineer)*

Submitted by

SHAIK AKRAM

(207Z5A0206)

Under the Esteemed Guidance of
Mr .J. KISHORE BABU
Assistant professor



Department of Electrical & Electronics Engineering

NALLA NARASIMHA REDDY
EDUCATION SOCIETY'S GROUP OF INSTITUTIONS

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A.Y:2022-2023

A MAJOR PROJECT REPORT
ON
“PERFORMANCE OF INDUCTION MOTOR WITH
MULTI LEVEL INVERTER FOR ELECTRIC VEHICLES”

*(A report submitted in partial fulfilment of the requirement for the degree of
Bachelor of Technology in Electrical and Electronics Engineer)*

Submitted by
T.LAUKIK (20725A0207)

Under The Esteemed Guidance of
Mr.G.SANDEEP RAO
Assistant Professor



Department of Electrical & Electronics Engineering

NALLA NARASIMHA REDDY

EDUCATION SOCIETY'S GROUP OF INSTITUTIONS

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www.nnrg.edu.in

A. Y:2022-2023

A

MAJOR PROJECT ON
**“Solar PV Array Based Off Board Electric Vehicle
Batteries Charger”**

(A report submitted in partial fulfilment of the requirements for the degree of Bachelor of
Technology in Electrical and Electronics Engineering)

Submitted by

V.NITHYA SRI (207Z5A0208)

Under the Guidance of

Mr. NOMULA UMA MAHESHWAR (M. TECH)
Assistant Professor



Department of Electrical & Electronics Engineering

**NALLA NARASIMHA REDDY EDUCATION
SOCIETIE'S GROUP OF INSTITUTIONS**

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Near Narapally, Chowdariguda(V), Korremula'X'Road, Ghatkesar(M), Medchal(D), Hyderabad-
500088, Telangana state.

2022-2023



भारत डायनामिक्स लिमिटेड

BHARAT DYNAMICS LIMITED

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रक्षा मंत्रालय Ministry of Defence

कंचनबाग Kanchanbagh :: हैदराबाद Hyderabad - 500058.

प्रणाली प्रौद्योगिकी तथा प्रबंधन संस्थान

INSTITUTE OF SYSTEMS, TECHNOLOGY AND MANAGEMENT



पंजीकरण संख्या Regd No. 204

वर्ष Year 2023

Skill India
अभ्यास करो, कृषि करो

क्र.सं. S.No. P-2022-167

परियोजना प्रमाण-पत्र PROJECT CERTIFICATE

सुधी / श्री

Ms. / Mr. R. B. JOHARIKA

पुत्री / पुत्र श्रीमती एवं श्री

Daughter / Son of Smt. R. KANAKA MAHALAXMI Shri. R. K. BALAJI

कॉलेज / संस्थान

College / Institute NALLA NARASIMHA REDDY GROUP OF INSTITUTIONS

विषय / क्षेत्र

Subject / Discipline B-TECH [ECE] वर्ष/सेमिस्टर 3-2

परियोजना कार्य / प्रशिक्षण कार्य

has completed Project Work / Training on DESIGN AND PROTOTYPE DEVELOPMENT OF QUADRANT ESTIMATION UNIT OF LASERBEAM RIDER GUIDANCE SYSTEM

Duration 45 DAYS Period from 17-02-2023 to 01-04-2023

के बीच पूर्ण किया है.

इस कार्य के दौरान इन्होंने अध्ययन में पर्याप्त रुचि दिखाई है.

He / She has shown keen interest in learning during the period of Project.

प्रमुख (मा.सं.) 03/04/2023
Head (HR)



प्रभारी, परियोजना कार्य
Incharge, Project Works
एन. नारासिंहायुक्त स्वामी



भारत डायनामिक्स लिमिटेड

BHARAT DYNAMICS LIMITED

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प्रणाली प्रौद्योगिकी तथा प्रबंधन संस्थान

INSTITUTE OF SYSTEMS, TECHNOLOGY AND MANAGEMENT



Skill India
शिक्षण से नए - गुणवत्ता से

पंजीकरण संख्या Regd. No. 207

वर्ष Year 2023

क्र.सं. S.No. P-2022-168

परियोजना प्रमाण-पत्र PROJECT CERTIFICATE

सुखी/श्री

Ms./Mr. VALLANGULA. TETASVI

पुत्री/पुत्र श्रीमती एवं श्री

Daughter / Son of Smt. VALLANGULA. BAMA Shri VALLANGULA. PRASAD

कॉलेज/संस्थान

College / Institute NALLA NARASIMHA REDDY GROUP OF INSTITUTIONS.

विषय / क्षेत्र

Subject / Discipline B.Tech - ECE

वर्ष/सेमिस्टर

Year / Semester 3-2

परियोजना कार्य / प्रशिक्षण कार्य

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He / She has shown keen interest in learning during the period of Project.

प्रमुख (मा.सं.)
Head (HR)

लातिमा नरसिम्हा

LATINA NARASIMHAM

उप महाप्रबंधक (प्रशासनिक कार्य) के सी यू एवं आई सी यू
Dy. General Manager (Head HR) KBU & IBU



N. Mallikarjuna Swamy

प्रभारी, परियोजना कार्य
Incharge, Project Works

एन मल्लिकार्जुन स्वामी

N. MALLIKARJUNA SWAMY
प्रबंधक (मा.सं.) शिवायु प्रशिक्षण एवं विधि
Manager (HR) APP TRG & LEGAL



भारत डायनामिक्स लिमिटेड

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प्रणाली प्रौद्योगिकी तथा प्रबंधन संस्थान

INSTITUTE OF SYSTEMS, TECHNOLOGY AND MANAGEMENT



Skill India
अभियान 2025 गुणवत्ता

पंजीकरण संख्या Regd. No. 206

वर्ष Year 2023

क्र.सं. S.No. P-2022-169

परियोजना प्रमाण-पत्र PROJECT CERTIFICATE

सुश्री/श्री

Ms. / Mr. KASTHI RISHIKA

पुत्री/पुत्र श्रीमती एवं श्री

Daughter / Son of Smt. KASTHI PAVANI Shri KASTHI VIJAY KUMAR

कॉलेज/संस्थान

College / Institute NALLA NARASIMHA REDDY GROUP OF INSTITUTIONS

विषय / क्षेत्र

Subject / Discipline BTECH - ECE वर्ष/सेमिस्टर 3-2

परियोजना कार्य/प्रशिक्षण कार्य

has completed Project Work / Training on DESIGN AND PROTOTYPE DEVELOPMENT OF QUADRANT ESTIMATION UNIT FOR LASERBEAM RIDER GUIDANCE SYSTEM

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He / She has shown keen interest in learning during the period of Project.

प्रमुख (मा.सं.)
Head (HR) 031041202



प्रभारी, परियोजना कार्य
Incharge, Project Works
एन मल्लिकार्जुन स्वामी

N. MALLIKARJUNA SWAMY
प्रबंधक (मा.सं.) शिवायु प्रशिक्षण एवं विधि
Manager (HR) APP TRG & LEGAL



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Skill India
शिक्षण परम - गुणवत्ता परम

पंजीकरण संख्या Regd. No. 203

वर्ष Year 2023

क्र.सं. S.No. P-2022-166

परियोजना प्रमाण-पत्र PROJECT CERTIFICATE

सुश्री / श्री

Ms./Mr. KOMATIPALLY SAYAMMA

पुत्री / पुत्र श्रीमती एवं श्री

Daughter / Son of Smt. KOMATIPALLY LAXMI Shri KOMATIPALLY THIRUNATH

कॉलेज / संस्थान

College / Institute NALLA NARASIMHA REDDY GROUP OF INSTITUTIONS

विषय / क्षेत्र

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He / She has shown keen interest in learning during the period of Project.

प्रमुख (मा.सं.)

Head (HR)

तातिना नरसिम्हम

TATINA NARASIMHAM

उप महाप्रबंधक (व्यव. मा.सं.) के बी यू एवं आई बी यू
Dy. General Manager (Head HR) KBU & IBU



N. Mallikarjuna Swamy

प्रभारी, परियोजना कार्य
Incharge, Project Works
एन मल्लिकार्जुन स्वामी

N. MALLIKARJUNA SWAMY
प्रबंधक (मा.सं.) शिक्षण प्रशिक्षण एवं विधि
Manager (HR) APP TRG & LEGAL



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रक्षा मंत्रालय Ministry of Defence
कंचनबाग Kanchanbagh :: हैदराबाद Hyderabad – 500058.

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Skill India
शिक्षण 2025 - 2025

पंजीकरण संख्या Regd. No. 205

क्र.सं. S.No. P-2022-165

वर्ष Year 2023

परियोजना प्रमाण-पत्र PROJECT CERTIFICATE

सुश्री/श्री

Ms./Mr. VADTHAVATH PRANITHA

पुत्री/पुत्र श्रीमती एवं श्री

Daughter / Son of Smt. VADTHAVATH SHOBA Shri VADTHAVATH AMRU

कॉलेज/संस्थान

College / Institute NALLA NARASIMHA REDDY GROUP OF INSTITUTIONS

विषय / क्षेत्र

Subject / Discipline BTECH - ECE वर्ष/सेमेस्टर
Year / Semester 3-2

परियोजना कार्य / प्रशिक्षण कार्य

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He / She has shown keen interest in learning during the period of Project.

प्रमुख (म.सं.)
Head (HR)



N. Mallikarjuna Swamy
प्रभारी, परियोजना कार्य
Incharge, Project Works
एज मल्लिकार्जुन स्वामी

N. MALLIKARJUNA SWAMY
प्रबंधक (म.सं.) शिक्षण परीक्षण एवं विधि
Manager (HR) APP TRG & LEGAL

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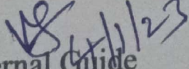
School of Engineering

Department of Electronics and Communication

Engineering

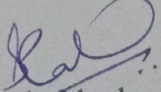
CERTIFICATE

This is to certify that the project work entitled "BLOOD CELL DETECTION IN HUMAN BLOOD SAMPLES USING MICROSCOPIC IMAGES" submitted by G.SAI SANTHOSH REDDY - 197Z1A0430, K.UDAY KIRAN - 197Z1A0446, G.VAMSI KRISHNA - 197Z1A0428 is in partial fulfillment for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering from Jawaharlal Nehru Technological University, Hyderabad during the academic year 2022-23.


Internal Guide

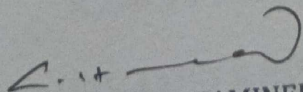
DR.V. SRAVAN KUMAR

Associate Professor


Head of the department

DR.S.RAVICHAND

Professor


EXTERNAL EXAMINER

School of Engineering

Department of Electronics and Communication Engineering

CERTIFICATE

This is to certify that the project work entitled "POWER CONSERVATION SYSTEM USING OPEN-CV" submitted by G.SAI SANTHOSH REDDY, K.UDAY KIRAN, G.VAMSI KRISHNA bearing roll numbers 197Z1A0430 ,197Z1A0446, 197Z1A0428 is in fulfillment for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering from Jawaharlal Nehru Technological University, Hyderabad during the academic year 2022-23.

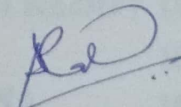
This project is a record of bonafide work carried out by them under the supervised guidance and has not been submitted to any other university or institution for the award of any degree.

Internal Guide

V8/15/6/23

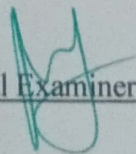
Dr. V.SRAVAN KUMAR
Associate professor

Head of the Department



Dr. S. RAVICHAND
Professor

External Examiner



Nalla Narasimha Reddy Education Society's Group of Institutions

(Approved by AICTE, Affiliated to JNTUH & Accredited by NBA and NAAC)

An Autonomous Institution

Chowdariguda, Medchal-Malkajgiri (Dist.), Hyderabad –500088, Telangana



School of Engineering

Department of Electronics and Communication Engineering

CERTIFICATE

This is to certify that the project work entitled “**Examination Room Guide Using RFID Technology**” submitted by **CH.Saishivani(197Z1A0418)**, **G.Pramitha(197Z1A0427)**, **I.Suhas(197Z1A0435)**, **B.Ginitha(197Z1A0415)** are in partial fulfillment for the award of the degree of **Bachelor of Technology in Electronics and Communication Engineering** from **Jawaharlal Nehru Technological University, Hyderabad** during the academic year **2022-23**.

This project is a record of bonafide work carried out by them under the supervised guidance and has not been submitted to any other university or institution for the award of any degree.

Internal Guide

Dr. S. RAVICHAND

Professor

Head of the Department

Dr. S. RAVICHAND

Professor

External Examiner



School of Engineering

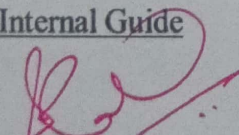
Department of Electronics and Communication Engineering

CERTIFICATE

This is to certify that the project work entitled "LED COUNTDOWN TIMER DISPLAY FOR EXAMINATION HALL" submitted by G. PRAMITHA, I. SUHAS REDDY bearing roll numbers 19Z1A0427, 197Z1A0435, is in fulfillment for the award of the degree of **Bachelor of Technology in Electronics and Communication Engineering** from **Jawaharlal Nehru Technological University, Hyderabad** during the academic year **2022-23**.

This project is a record of bonafide work carried out by them under the supervised guidance and has not been submitted to any other university or institution for the award of any degree.

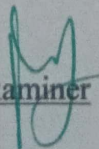
Internal Guide


Dr. S. RAVI CHAND
professor

Head of the Department


Dr. S. RAVI CHAND
Professor

External Examiner



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An Autonomous Institution

Chowdariguda, Medchal-Malkajgiri (Dist.), Hyderabad -500088, Telangana



School of Engineering

Department of Electronics and Communication Engineering

CERTIFICATE

This is to certify that the project work entitled "WIRELESS ELECTRIC BIKE CHARGING SYSTEM" submitted by J. KARTHIK-197Z1A0436, K. ANUDEEP-197Z1A0448, D. JAYAKRISHNA REDDY-197Z1A0423 are in partial fulfillment for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering from Jawaharlal Nehru Technological University, Hyderabad during the academic year 2022-23.

This project is a record of bonafide work carried out by them under the supervised guidance and has not been submitted to any other university or institution for the award of any degree.

Internal Guide

Mr. A. ARAVIND

Assistant Professor

Head of the Department

Dr. S. RAVICHAND

Professor

External Examiner



**Nalla Narasimha Reddy Education Society's
Group of Institutions**

(Approved by AICTE, Affiliated to JNTUH & Accredited by NBA and NAAC)

An Autonomous Institution

Chowdariguda, Medchal-Malkajgiri (Dist.), Hyderabad -500088,

School of Engineering

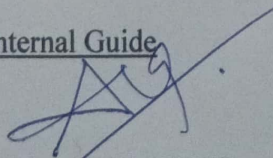
Department of Electronics and Communication Engineering

CERTIFICATE

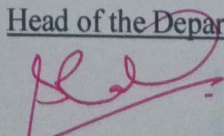
This is to certify that the project work entitled **“WALL CLEANING ROBOT”** submitted by **J. KARTHIK, K. ANUDEEP, D. JAYAKRISHNA REDDY** bearing roll numbers **197Z1A0436,197Z1A0448,197Z1A0423** is in fulfillment for the award of the degree of **Bachelor of Technology in Electronics and Communication Engineering** from **Jawaharlal Nehru Technological University, Hyderabad** during the academic year **2022-23**.

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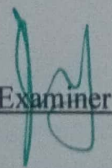
Internal Guide


Mr. A. ARAVIND
Assistant professor

Head of the Department


Dr. S. RAVICHAND
Professor

External Examiner



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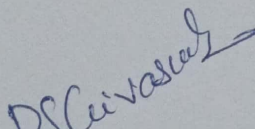
School of Engineering

Department of Electronics and Communication Engineering

CERTIFICATE

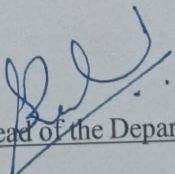
This is to certify that the project work entitled "LIGHT ANIMATION USING ARDUINO AND PYTHON GUI" submitted by D.TANVITHA REDDY bearing Roll.No.197Z1A0425, D.SHASHI VARDHAN bearing Roll.No.197Z1A0421, is in partial fulfillment for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering from Jawaharlal Nehru Technological University, Hyderabad during the academic year 2022-23.

This project is a record of bonafide work carried out by them under the supervised guidance and has not been submitted to any other university or institution for the award of any degree.


Internal Guide

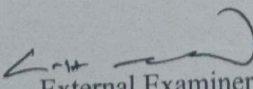
Mr. P.S. SREENIVASA REDDY

Associate Professor


Head of the Department

Dr. S. RAVI CHAND

Professor


External Examiner



**Nalla Narasimha Reddy Education Society's
Group of Institutions**

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An Autonomous Institution

Chowdariguda, Medchal-Malkajgiri (Dist.), Hyderabad -500088,

School of Engineering

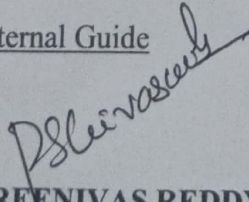
Department of Electronics and Communication Engineering

CERTIFICATE

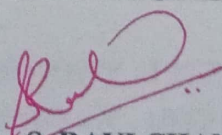
This is to certify that the project work entitled "SECURE DATA ENCODING SCHEME FOR VISUAL CRYPTOGRAPHY" submitted by D. TANVITHA REDDY, D. SHASHI VARDHAN bearing roll numbers 197Z1A0425, 197Z1A0421 is in fulfillment for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering from Jawaharlal Nehru Technological University, Hyderabad during the academic year 2022-23.

This project is a record of bonafied work carried out by them under the supervised guidance and has not been submitted to any other university or institution for the award of any degree.

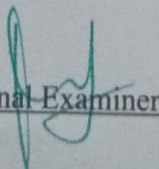
Internal Guide


P.S. SREENIVAS REDDY
Associate professor

Head of the Department


Dr. S. RAVI CHAND
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Chowdariguda, Medchal-Malkajgiri (Dist.), Hyderabad -500088, Telangana



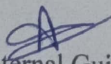
School of Engineering

Department of Electronics and Communication Engineering

CERTIFICATE

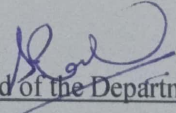
This is to certify that the project work entitled **AHB TO APB BRIDGE DESIGN** submitted by **B. ANUHYA**, bearing Roll.No.197Z1A0413, **A. AKHIL KUMAR**, bearing Roll No.197Z1A0401 and **SREEJA DESHPANDE**, bearing Roll No.187Z1A0488 are in partial fulfillment for the award of the degree of **Bachelor of Technology in Electronics and Communication Engineering** from **Jawaharlal Nehru Technological University, Hyderabad** during the academic year **2022-23**.

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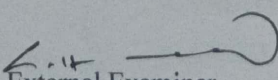
Mrs. A. ANURADHA

Assistant Professor


Head of the Department

Dr. S. RAVICHAND

Professor


External Examiner



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Department of Electronics and Communication Engineering

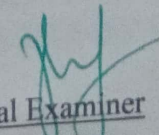
CERTIFICATE

This is to certify that the project work entitled "A POWER-EFFICIENT PARALLEL DESIGN FOR LINEAR FEEDBACK SHIFT RESISTER" submitted by B. ANUHYA, B. DIVYA, A. AKHIL KUMAR, SREEJA DESHPANDE bearing roll numbers 197Z1A0413,197Z1A0417,197Z1A0401,187Z1A0488 is in fulfillment for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering from Jawaharlal Nehru Technological University, Hyderabad during the academic year 2022-23.

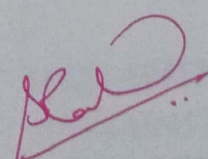
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Mrs. K. ANURADHA
Assistant professor


External Examiner

Head of the Department


DR. S. RAVICHAND
Professor

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School of Engineering

Department of Electronics and Communication Engineering

CERTIFICATE

This is to certify that the project work entitled "PASSWORD AUTHENTICATION FOR PERSONAL VAULT" submitted by Anvesh Reddy, M, E. Kedarnath, G. Sathvika bearing Roll.No.197Z1A0406,197Z1A0426,197Z1A0434 is in partial fulfillment for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering from Jawaharlal Nehru Technological University, Hyderabad during the academic year 2022-23.

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Ms. N. LAVANYA

Assistant Professor

Head of the Department

Dr. S. Ravichand

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External Examiner





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School of Engineering

Department of Electronics and Communication Engineering

CERTIFICATE

This is to certify that the project work entitled “**IOT BASED LOCKER SYSTEM USING AUTHENTICATOR APPLICATION**” submitted by **ANVESH REDDY. M, E. KEDARNATH, G. SATHVIKA** bearing roll numbers **197Z1A0406,197Z1A0426,197Z1A0434** is in fulfillment for the award of the degree of **Bachelor of Technology in Electronics and Communication Engineering** from **Jawaharlal Nehru Technological University, Hyderabad** during the academic year **2022-23**.

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Ms. N. LAVANYA

Assistant Professor

Head of the Department

Dr. S. Ravichand

Professor

External Examiner



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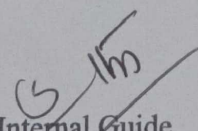
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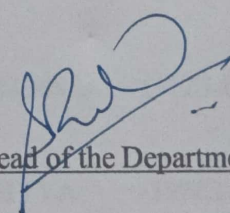
This is to certify that the project work entitled "AHB-APB bridge architecture" submitted by **Kadaru Prasanna, Dewkathe Divya, Godishe Badrinath** bearing Roll.Nos.197Z1A0445, 197Z1A0424, 197Z1A0431 is in partial fulfillment for the award of the degree of **Bachelor of Technology in Electronics and Communication Engineering** from **Jawaharlal Nehru Technological University, Hyderabad** during the academic year 2022-23.

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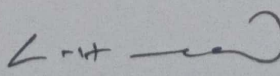

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E. SUNEETHA

Associate Professor


Head of the Department
Dr. S. RAVICHAND

Professor


External Examiner



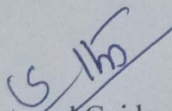
School of Engineering

Department of Electronics and Communication Engineering

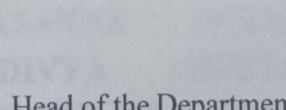
CERTIFICATE

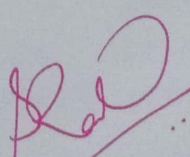
This is to certify that the project work entitled "**DESIGN OF HIGH SPEED AND LOW POWER CARRY SELECT ADDER**" submitted by **KADARU PRASANNA, DEWKATHE DIVYA, GODISHE BADRINATH**, bearing roll numbers **197Z1A0445, 197Z1A0424, 197Z1A0431**, is in fulfillment for the award of the degree of **Bachelor of Technology in Electronics and Communication Engineering** from **Jawaharlal Nehru Technological University, Hyderabad** during the academic year **2022-23**.

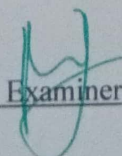
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E. SUNEETHA
Associate professor


Head of the Department


Dr. S. RAVICHAND
Professor


External Examiner

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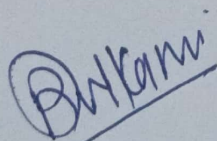
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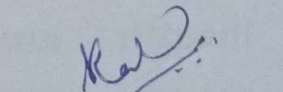
This is to certify that the project work entitled "IOT BASED SMART SHOPPING CART" submitted by **B. MUKESH KUMAR - 197Z1A0411, J.PRAVEEN KUMAR - 197Z1A0440, K. MAHESH - 197Z1A0444**, is in partial fulfillment for the award of the degree of **Bachelor of Technology in Electronics and Communication Engineering** from **Jawaharlal Nehru Technological University, Hyderabad** during the academic year **2022-23**.

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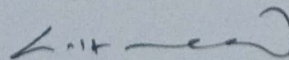
Mr P.K KULKARNI

Associate Professor


Head of the Department

DR. S. RAVI CHAND

Professor


External Examiner

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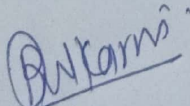
School of Engineering

Department of Electronics and Communication Engineering

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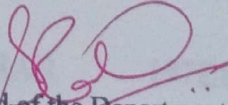
This is to certify that the project work entitled "A SMART HELMET FOR UNDER GROUND MINING WORKERS" submitted by B.MUKESH KUMAR, J. PRAVEEN KUMAR, K.MAHESH bearing roll numbers 197Z1A0411, 197Z1A0440, 197Z1A0444 is in fulfillment for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering from Jawaharlal Nehru Technological University, Hyderabad during the academic year 2022-23.

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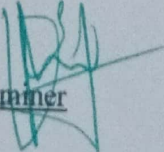
Mr. P. K. KULLKARNI

Associate professor


Head of the Department

DR. S. RAVI CHAND

Professor


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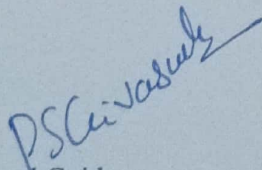
School of Engineering

Department of Electronics and Communication Engineering

CERTIFICATE

This is to certify that the project work entitled "AUTOMATIC MOVABLE RAILWAY PLATFORM" submitted by K. Ramya-197Z1A0449, K. Sirisha-197Z1A0456, K. Sai Kiran-197Z1A0454, is in partial fulfillment for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering from Jawaharlal Nehru Technological University, Hyderabad during the academic year 2022-23.

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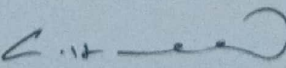
Mr. P. S. SREENIVAS REDDY

Associate Professor


Head of the Department

Dr. S. RAVI CHAND

Professor


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School of Engineering

Department of Electronics and Communication Engineering

CERTIFICATE

This is to certify that the project work entitled "A WIRELESS IOT SYSTEM TOWARDS GAIT DETECTION IN STROKE PATIENTS" submitted by **KEMIDI RAMYA, KUNDURU SIRISHA, KOTHAPELLY SAI KIRAN** bearing roll numbers **197Z1A0449, 197Z1A0456, 197Z1A0454** is in fulfillment for the award of the degree of **Bachelor of Technology in Electronics and Communication Engineering** from **Jawaharlal Nehru Technological University, Hyderabad** during the academic year **2022-23**.

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Mr. N. SURESH
Assistant professor

Head of the Department

Dr. S. RAVI CHAND
Professor

External Examiner



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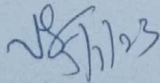
School of Engineering

Department of Electronics and Communication Engineering

CERTIFICATE

This is to certify that the project work entitled “IoT BASED MONITORING OF FOOT PRESSURE USING FSR SENSOR” submitted by K. AMULYA (197Z1A0447), B. RUMA (197Z1A0409), A. GANESH (197Z1A0402), is in partial fulfillment for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering from Jawaharlal Nehru Technological University, Hyderabad during the academic year 2022-23.

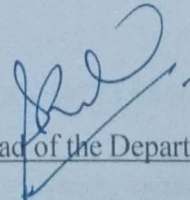
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Dr. V. SRAVAN KUMAR

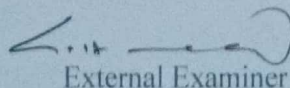
Associate Professor



Head of the Department

Dr. S. RAVICHAND

Professor



External Examiner



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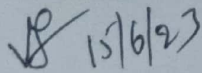
Department of Electronics and Communication Engineering

CERTIFICATE

This is to certify that the project work entitled “**PERFORMANCE BASED METRIC EVALUATION OF ERROR-TOLERANT ADDERS FOR VIDEO CODING**” submitted by **KASIREDDY AMULYA, BASANI RUMA, AIRONDLA GANESH KUMAR** bearing roll numbers **197Z1A0447,197Z1A0409,197Z1A0402** is in fulfillment for the award of the degree of **Bachelor of Technology in Electronics and Communication Engineering** from **Jawaharlal Nehru Technological University, Hyderabad** during the academic year **2022-23**.

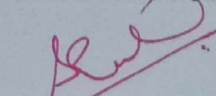
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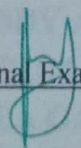
Dr. V. SRAVAN KUMAR
Associate professor

Head of the Department



Dr. S. RAVICHAND
Professor

External Examiner



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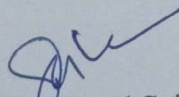
School of Engineering

Department of Electronics and Communication Engineering

CERTIFICATE

This is to certify that the project work entitled "Coin based mobile charging" submitted by **G.RISHIKA(197Z1A0429), B.KOUSHIK(197Z1A0412), J.NUTHAN(197Z1A0438)** are in partial fulfillment for the award of the degree of **Bachelor of Technology in Electronics and Communication Engineering** from **Jawaharlal Nehru Technological University, Hyderabad** during the academic year **2022-23**.

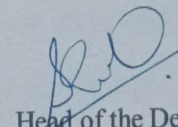
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Dr. S. KARTHICK

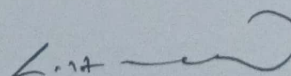
Assistant Professor



Head of the Department

Dr. S. RAVICHAND

Professor



External Examiner

School of Engineering

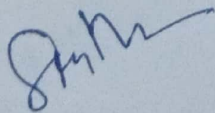
Department of Electronics and Communication Engineering

CERTIFICATE

This is to certify that the project work entitled “**SMART HELMET FOR DAFE DRIVING**” submitted by **G. RISHIKA, B. KOUSHIK, J. NUTHAN**, bearing roll numbers **197Z1A0429,197Z1A0412,17Z1A0438** is in fulfillment for the award of the degree of **Bachelor of Technology** in **Electronics and Communication** Engineering from **Jawaharlal Nehru Technological University, Hyderabad** during the academic year **2022-23**.

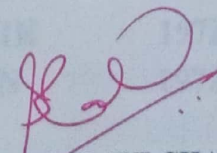
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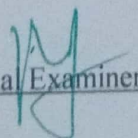
Dr. S. KARTHICK
Assistant professor

Head of the Department



Dr. S. RAVI CHAND
Professor

External Examiner



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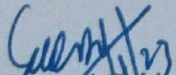
School of Engineering

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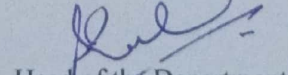
This is to certify that the project work entitled **AHB TO APB BRIDGE DESIGN** submitted by **BEJUGAM SAI NITHIN**, bearing **Roll.No.197Z1A0410** and **GOLLA VENU GOPAL**, bearing **Roll No.197Z1A0432** are in partial fulfillment for the award of the degree of **Bachelor of Technology** in **Electronics and Communication Engineering** from **Jawaharlal Nehru Technological University, Hyderabad** during the academic year **2022-23**.

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Dr. RAJASEKHAR TURAKA

Associate Professor


Head of the Department

Dr. S. RAVICHAND

Professor


External Examiner



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School of Engineering

Department of Electronics and Communication Engineering

CERTIFICATE

This is to certify that the project work entitled “**DESIGN OF APPROXIMATE ADDERS AND MULTIPLIERS USING MAJORITY LOGIC GATE**” submitted by **BEJUGAM SAI NITHIN, GOLLA VENU GOPAL, BOTLA GINITHA** bearing roll numbers **197Z1A0410, 197Z1A0432, 197Z1A0415** is in fulfillment for the award of the degree of **Bachelor of Technology in Electronics and Communication Engineering** from **Jawaharlal Nehru Technological University, Hyderabad** during the academic year **2022-23**.

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Dr. RAJASEKHAR TURAKA
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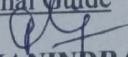
School of Engineering

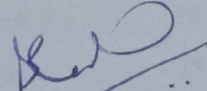
Department of Electronics and Communication Engineering


CERTIFICATE

This is to certify that the project work entitled "Gesture Controlled Elevator" submitted by **B. Varsha – 197Z1A0416, A. Sai Krishna – 197Z1A0403, B. Poojitha – 197Z1A0407** is in partial fulfillment for the award of the degree of **Bachelor of Technology in Electronics and Communication Engineering** from **Jawaharlal Nehru Technological University, Hyderabad** during the academic year **2022-23**.

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Internal Guide

CH. PHANINDRA
Assistant Professor


Head of the Department
Dr. S. RAVI CHAND
Professor


External Examiner



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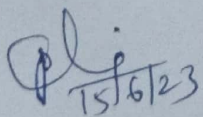
Department of Electronics and Communication Engineering

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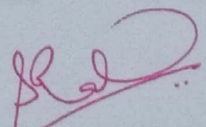
This is to certify that the project work entitled "SMART AND SECURED SINGLE ATM CARD WITH MULTIPLE BANK ACCOUNTS" submitted by **B. VARSHA, A. SAI KRISHNA, B. POOJITHA**, bearing roll numbers **197Z1A0416, 197Z1A0403, 19Z1A0407** is in fulfillment for the award of the degree of **Bachelor of Technology in Electronics and Communication Engineering** from **Jawaharlal Nehru Technological University, Hyderabad** during the academic year **2022-23**.

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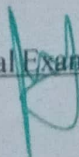
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Mr.CH. PHANINDRA
Assistant professor

Head of the Department


Dr. S. RAVI CHAND
Professor

External Examiner





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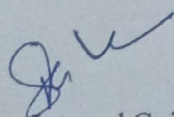
School of Engineering

Department of Electronics and Communication Engineering

CERTIFICATE

This is to certify that the project work entitled "AUTOMATED HEADLIGHT INTENSITY DIMMER" submitted by **J. Laxmi divya**, bearing Roll.No.197Z1A0437, **A. Sai shiva**, bearing Roll.No.197Z1A0405 and **D. Sai teja**, bearing Roll.No.197Z1A0422 is in partial fulfillment for the award of the degree of **Bachelor of Technology in Electronics and Communication Engineering** from **Jawaharlal Nehru Technological University, Hyderabad** during the academic year **2022-23**.

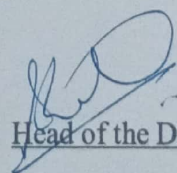
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Dr. S. KARTHICK

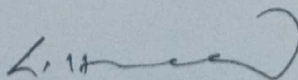
Assistant Professor



Head of the Department

Dr. S. RAVI CHAND

Professor



External Examiner



School of Engineering

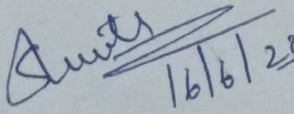
Department of Electronics and Communication Engineering

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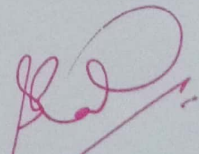
This is to certify that the project work entitled “SUBSTATION MONITORING AND CONTROLLING SYSTEM” submitted by J. LAXMI DIVYA, A. SAI SHIVA, D. SAI TEJA bearing roll numbers 19Z1A0437, 197Z1A0405, 197Z1A0422, is in fulfillment for the award of the degree of **Bachelor of Technology in Electronics and Communication Engineering** from **Jawaharlal Nehru Technological University, Hyderabad** during the academic year **2022-23**.

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16/6/23
Mrs. T. SWETHA
Assistant professor

Head of the Department


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Professor


External Examiner

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School of Engineering


Department of Electronics and Communication Engineering

CERTIFICATE

This is to certify that the project work entitled "SAFETY AND SECURITY FOR THE VEHICLE USING ARDUINO NANO" submitted by CH.Deepak Reddy, bearing Roll.No.197Z1A0419, G. Lavanya, bearing Roll.No.197Z1A0433 and B. Rajesh, bearing Roll.No.197Z1A0414 is in partial fulfillment for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering from Jawaharlal Nehru Technological University, Hyderabad during the academic year 2022-23.

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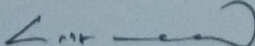

Mrs. K. MADHAVI

Assistant Professor

Head of the Department


Dr. S. RAVI CHAND

Professor


External Examiner



School of Engineering

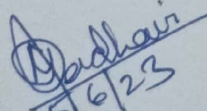
Department of Electronics and Communication Engineering

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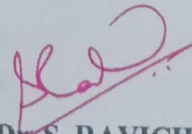
This is to certify that the project work entitled "**BANK LOCKER SECURITY SYSTEM USING DUAL PASSWORD**" submitted by **CH. DEEPAK REDDY, G. LAVANYA, B.V. RAJESH** bearing roll numbers **197Z1A0419, 197Z1A0433, 197Z1A0414** is in fulfillment for the award of the degree of **Bachelor of Technology in Electronics and Communication Engineering** from **Jawaharlal Nehru Technological University, Hyderabad** during the academic year **2022-23**.

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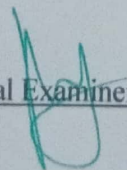
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Mrs. K. MADHAVI
Assistant professor

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DR. S. RAVICHAND
Professor

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School of Engineering

Department of Electronics and Communication Engineering

CERTIFICATE

This is to certify that the project work entitled "SMART CRADLE SYSTEM" submitted by **K.SUSMITHA(197Z1A0441), K.SUJATHA(197Z1A0443), J.VIJAY(197Z1A0439), B.DIVYA(197Z1A0417)** are in partial fulfillment for the award of the degree of **Bachelor of Technology in Electronics and Communication Engineering** from **Jawaharlal Nehru Technological University, Hyderabad** during the academic year **2022-23**.

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Internal Guide

Mr. K. NAVEEN KUMAR

B.SC, B.TECH, M.E

Assistant Professor

Head of the Department

Dr S. RAVI CHAND

Professor

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4/9/2023

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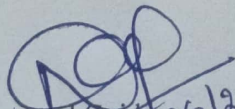
School of Engineering

Department of Electronics and Communication Engineering

CERTIFICATE

This is to certify that the project work entitled “**WIRELESS SENSOR BASED RAILWAY BRIDGE DAMAGE AND TRACK FAULT NOTIFICATION WITH ALARM SYSTEM**” submitted by **K.SUSMITHA(197Z1A0441), K.SUJATHA(197Z1A0443), J.VIJAY(197Z1A0439), CH.SAISHIVANI(197Z1A0418)** are in partial fulfillment for the award of the degree of **Bachelor of Technology in Electronics and Communication Engineering** from **Jawaharlal Nehru Technological University, Hyderabad** during the academic year **2022-23**.

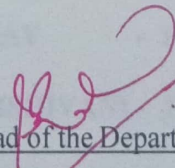
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15/06/2023

Mr. K. NAVEEN KUMAR

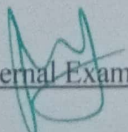
B.SC, B.TECH, M.E

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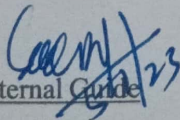
School of Engineering

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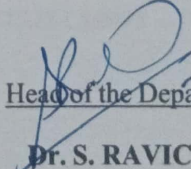
This is to certify that the project work entitled “**LOW POWER APPROXIMATE UNSIGNED MULTIPLIERS WITH CONFIGURABLE ERROR RECOVERY**” submitted by **Pinnapareddy Nikitha-197Z1A0489, Pinnapureddy Sathwikreddy-197Z1A0490 and Ragam Sravani-197Z1A0498** is in partial fulfillment for the award of the degree of **Bachelor of Technology in Electronics and Communication Engineering** from **Jawaharlal Nehru Technological University, Hyderabad** during the academic year **2022-23**.

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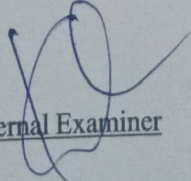
Dr. RAJASEKHAR TURAKA

Assistant Professor


Head of the Department

Dr. S. RAVICHAND

Professor


External Examiner



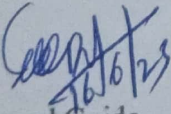
School of Engineering

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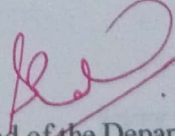
This is to certify that the project work entitled "DESIGN OF LOW POWER HIGH PERFORMANCE MIXED LOGIC LINE DECODERS" submitted by PINNAPAREDDY NIKITHA, PINNAPUREDDY SATHVIK REDDY, RAGAM SRAVANI bearing roll numbers 197Z1A0489, 197Z1A0490, 197Z1A0498 is in fulfillment for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering from Jawaharlal Nehru Technological University, Hyderabad during the academic year 2022-23.

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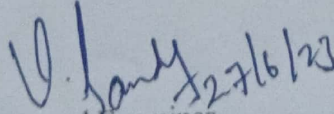
Dr. RAJASEKHAR TURAKA

Associate professor


Head of the Department

Dr. S. RAVICHAND

Professor


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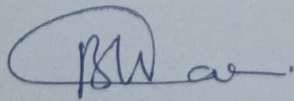
School of Engineering

Department of Electronics and Communication Engineering

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This is to certify that the project work entitled "AN EFFICIENT BINARY CODED DECIMAL ADDER DESIGN USING QUANTUM CELLULAR AUTOMATA TECHNOLOGY" submitted by Pandrapragada Keerthi-197Z1A0483, Rachuri Sai Avinash - 197Z1A0497, Palsam Manoj Kumar-197Z1A0482 is in partial fulfillment for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering from Jawaharlal Nehru Technological University, Hyderabad during the academic year 2022-23.

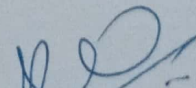
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Dr. B. HARI PRASAD NAIK

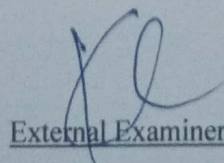
Associate Professor



Head of the Department

Dr. S. RAVI CHAND

Professor



External Examiner



School of Engineering

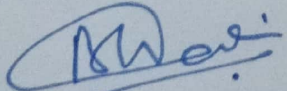
Department of Electronics and Communication Engineering

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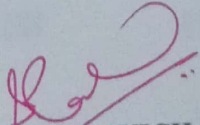
This is to certify that the project work entitled "A HIGH SPEED, LOW NOISE MODIFIED VERSION OF THREE STAGE COMPARATOR" submitted by PANDRAPRAGADA KEERTHI, PALSAM MANOJ KUMAR, RACHURI SAI AVINASH bearing roll numbers 197Z1A0483, 197Z1A0482, 197Z1A0497 is in partial fulfillment for the award of the degree of **Bachelor of Technology in Electronics and Communication Engineering** from **Jawaharlal Nehru Technological University, Hyderabad** during the academic year **2022-23**.

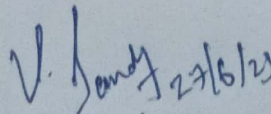
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Dr. B. HARIPRASAD NAIK
Associate professor

Head of the Department


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Professor


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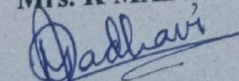
CERTIFICATE

This is to certify that the project work entitled "IOT Based Water Quality Monitoring System" being submitted by NIKITHA SHARMA, bearing Roll.No.197Z1A0479, PEGGERLA VIVEK, bearing Roll.No.197Z1A0486, PENTHALA MADAN bearing Roll.No.197Z1A0487, is in partial fulfillment for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering from Jawaharlal Nehru Technological University, Hyderabad during the academic year 2022-23.

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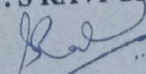
Internal Guide

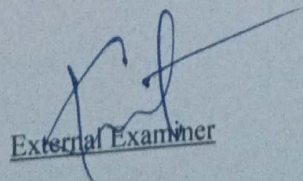
Mrs. K MADHAVI


Assistant Professor

Head of the Department

Dr. S RAVI CHAND


Professor


External Examiner

School of Engineering

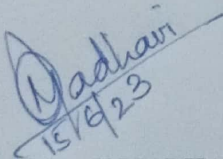
Department of Electronics and Communication Engineering

CERTIFICATE

This is to certify that the project work entitled “**DESIGN AND IMPLEMENTATION OF PHASED ARRAY ANTENNA USING HFSS**” submitted by **NIKITHA SHARMA, PEGGERELA VIVEK, PENTHALA MADAN**, bearing roll numbers **197Z1A0479,197Z1A0486,197Z1A0487** is in fulfillment for the award of the degree of **Bachelor of Technology in Electronics and Communication Engineering** from **Jawaharlal Nehru Technological University, Hyderabad** during the academic year **2022-23**.

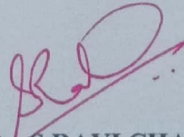
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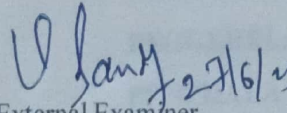

15/6/23

Mrs. K MADHAVI
Assistant professor

Head of the Department



DR. S RAVI CHAND
Professor


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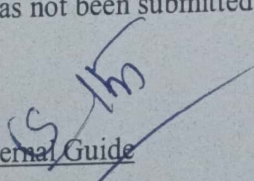
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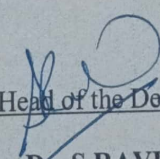
This is to certify that the project work entitled “**Arduino-Based Real Time Air Quality And Pollution Monitoring System**” submitted by **Sowmya Pittala – 197Z1A0493, Ashwini Pittala – 197Z1A0492, Shiva Teja Putta – 197Z1A0496** is in partial fulfillment for the award of the degree of **Bachelor of Technology in Electronics and Communication Engineering** from **Jawaharlal Nehru Technological University, Hyderabad** during the academic year **2022-23**.

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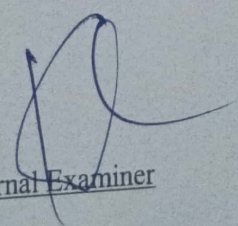
Mrs. BHAKTULA SUNEETHA

Associate Professor


Head of the Department

Dr. S.RAVICHAND

Professor


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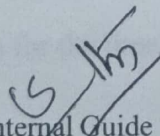
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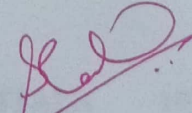
This is to certify that the project work entitled "TOUCH SCREEN AND ZIGBEE BASED WIRELESS COMMUNICATION ASSISTANT FOR DUMB /ILLITERATES IN AIRLINES" submitted by SOWMYA PITTALA, ASHWINI PITTALA, SHIVA TEJA PUTTA bearing roll numbers 197Z1A0493, 197Z1A0492, 197Z1A0496 is in fulfillment for the award of the degree of **Bachelor of Technology in Electronics and Communication Engineering** from **Jawaharlal Nehru Technological University, Hyderabad** during the academic year **2022-23**.

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Head of the Department

Mrs. E. SUNEETHA
Associate Professor


Dr. S. RAVI CHAND
Professor


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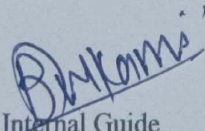
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Department of Electronics and Communication Engineering

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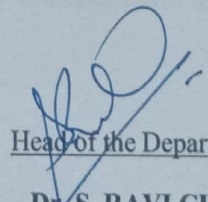
This is to certify that the project work entitled **FOOTSTEP POWER GENERATION FOR MOBILE CHARGING** submitted by **Nimma Chandu -197Z1A0480, Pinreddy Naveen reddy-197Z1A0491, Polepally Gnaneshwar -197Z1A0494**, is in partial fulfillment for the award of the degree of **Bachelor of Technology in Electronics and Communication Engineering** from **Jawaharlal Nehru Technological University, Hyderabad** during the academic year **2022-23**.

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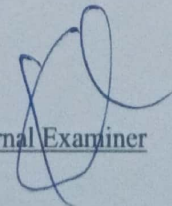

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Mr. P. K. KULKARNI

Associate Professor


Head of the Department
Dr. S. RAVI CHAND

Professor


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Hyderabad -500088, Telangana

School of Engineering

Department of Electronics and Communication Engineering

CERTIFICATE

This is to certify that the project work entitled "MANHOLE DETECTION AND MONITORING SYSTEM" submitted. N. CHANDU, P. NAVEEN REDDY, P. GNANESHWAR bearing roll numbers 197Z1A0480,197Z1A0491,197Z1A0494, is in fulfillment for the award of the degree of **Bachelor of Technology in Electronics and Communication Engineering** from **Jawaharlal Nehru Technological University, Hyderabad** during the academic year **2022-23**.

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P. K KULKARNI
Associate professor

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School of Engineering

Department of Electronics and Communication Engineering

CERTIFICATE

This is to certify that the project work entitled "THIRD EYE FOR BLIND: ULTRASONIC VIBRATOR DEVICE" submitted by N. DEVENDER-197Z1A0477, P. PAVAN-197Z1A0484, P. LEELA CHAKRADHAR-197Z1A0495, is in partial fulfillment for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering from Jawaharlal Nehru Technological University, Hyderabad during the academic year 2022-23.

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Mr. A. ARAVIND

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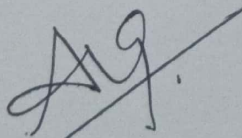
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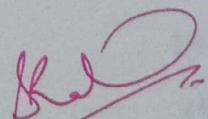
This is to certify that the project work entitled "VOICE CONTROLLED HUMANOID ROBOT" submitted by N. DEVENDER, P. PAVAN, P. LEELA CHAKRADHAR bearing roll number 197Z1A0477, 197Z1A0484, 197Z1A0495 is in fulfillment for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering from Jawaharlal Nehru Technological University, Hyderabad during the academic year 2022-23.

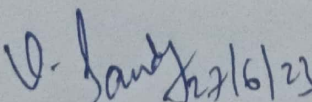
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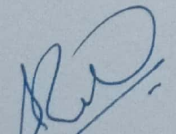
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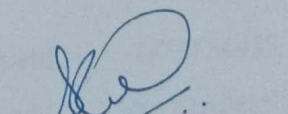
This is to certify that the project work entitled "ADMINISTRATION APPOINTMENT SCHEDULING MANAGEMENT SYSTEM" submitted by P. RADHIKA, bearing Roll.No.197Z1A0488, P. JHANSI, bearing Roll.No.197Z1A0485, N. BALU, bearing Roll.No.197Z1A0478 and P. SRINATH, bearing Roll.No.197Z1A0481 is in partial fulfillment for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering from Jawaharlal Nehru Technological University, Hyderabad during the academic year 2022-23.

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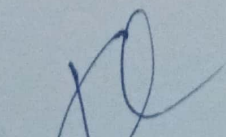
Dr. S. RAVI CHAND

Professor


Head of the Department

Dr. S. RAVI CHAND

Professor


External Examiner

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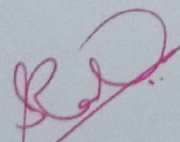
Department of Electronics and Communication Engineering

CERTIFICATE

This is to certify that the project work entitled "DEEP REINFORCED NEURAL NETWORK BASED CYBER THREATS IN MOBILE CLOUD COMPUTING" submitted by P. RADHIKA, P. JHANSI, N. BALU, P. SRINATH bearing roll numbers 19Z1A0488, 197Z1A0485, 197Z1A0478, 197Z1A0481 is in fulfillment for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering from Jawaharlal Nehru Technological University, Hyderabad during the academic year 2022-23.

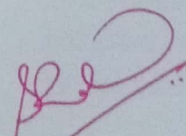
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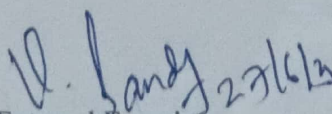


Dr. S. RAVI CHAND
professor

Head of the Department



Dr. S. RAVI CHAND
Professor


External Examiner

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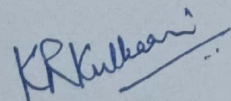
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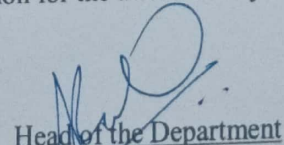
This is to certify that the project work entitled "IoT BASED EVENT MANAGEMENT SYSTEM USING RFID" submitted by M.ADITI REDDY(197Z1A0461), L.NEHA YADAV(197Z1A0458), K.ANKITH(197Z1A0452) is in partial fulfillment for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering from Jawaharlal Nehru Technological University, Hyderabad during the academic year 2022-23.

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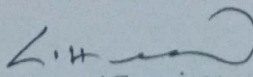
Mr. KOUSTUBH KULKARNI

Assistant Professor


Head of the Department

Dr. S. RAVICHAND

Professor


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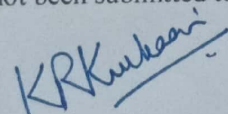
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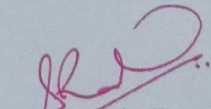
This is to certify that the project work entitled “**DESIGN OF A MULTITASKING ROBOT FOR ENHANCED SURVEILLANCE AND MONITORING USING DTMF AND GSM TECHNOLOGY**” submitted by **M.ADITI REDDY (197Z1A0461), L.NEHA YADAV (197Z1A0458), K.ANKITH (197Z1A0452)** is in partial fulfillment for the award of the degree of **Bachelor of Technology in Electronics and Communication Engineering** from **Jawaharlal Nehru Technological University, Hyderabad** during the academic year **2022-23**.

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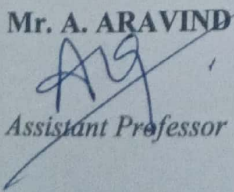
CERTIFICATE

This is to certify that the project work entitled "INTELLIGENCE BASED TRAFFIC CONTROL SYSTEM FOR AMBULANCE USING IOT" submitted by M. GIRISH(197Z1A0462), L.SRINIJA(197Z1A0459), M.NAVYANTH(197Z1A0473), is in partial fulfillment for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering from Jawaharlal Nehru Technological University, Hyderabad during the academic year 2022-23.

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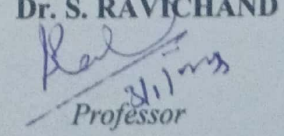
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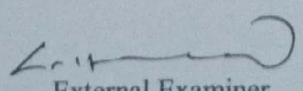
Mr. A. ARAVIND


Assistant Professor

Head of the Department

Dr. S. RAVICHAND


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External Examiner



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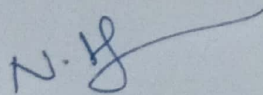
Department of Electronics and Communication Engineering

CERTIFICATE

This is to certify that the project work entitled "IOT BASED ANTENNA POSITIONING SYSTEM" submitted by M. GIRISH, L. SRINIJA, M. NAVYANTH bearing roll number 197Z1A0462, 197Z1A0459, 197Z1A0473 is in fulfillment for the award of the degree of **Bachelor of Technology in Electronics and Communication Engineering** from **Jawaharlal Nehru Technological University, Hyderabad** during the academic year **2022-23**.

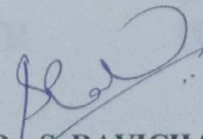
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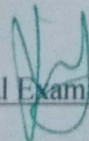
Mr. N. RAJU
Assistant Professor

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Dr. S. RAVICHAND
Professor

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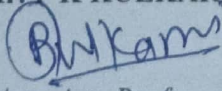
CERTIFICATE

This is to certify that the project work entitled “Real Time Health Monitoring System For Soldiers” submitted by N. Akhil Sai, bearing Roll.No.197Z1A0475, Lydia Rachel, bearing Roll.No.197Z1A0460 and M. Vamshi, bearing Roll.No.197Z1A0464 are in partial fulfillment for the award of the degree of **Bachelor of Technology** in **Electronics and Communication Engineering** from **Jawaharlal Nehru Technological University, Hyderabad** during the academic year **2022-23**.

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Mr. P K KULKARNI


Associate Professor

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Dr. S. RAVICHAND

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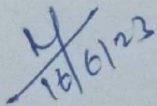
Department of Electronics and Communication Engineering

CERTIFICATE

This is to certify that the project work entitled “**MOBILE TECHNOLOGY (GSM) BASED REMOTE MONITORING AND CONTROL OF ENERGY METER**” submitted by **NAMALA AKHIL SAI, LYDIA RACHEL, M. VAMSHI** bearing roll numbers **197Z1A0475,197Z1A0460,197Z1A0464** is in fulfillment for the award of the degree of **Bachelor of Technology in Electronics and Communication Engineering** from **Jawaharlal Nehru Technological University, Hyderabad** during the academic year **2022-23**.

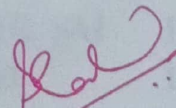
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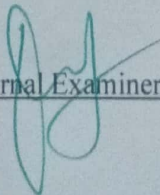
Mr. SHARATH CHANDRA MIRYALA
Assistant professor

Head of the Department



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Professor

External Examiner



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School of Engineering

Department of Electronics and Communication Engineering

CERTIFICATE

This is to certify that the project work entitled "Concurrent Error Detectable Carry Select Adder With Easy Testability" submitted by M. Omkar Reddy-197Z1A0468, M.Bhanu Chandra Sheker Rao - 197Z1A0470, K. Amoghkrishna-197Z1A0455 is in partial fulfillment for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering from Jawaharlal Nehru Technological University, Hyderabad during the academic year 2022-23.

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Dr. B. HARI PRASAD NAIK

Associate Professor

Head of the Department

Dr. S. RAVI CHAND

Professor

External Examiner



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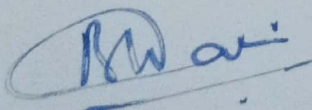
Department of Electronics and Communication Engineering

CERTIFICATE

This is to certify that the project work entitled “**DESIGN OF 8-BIT CARRY SELECT ADDER USING 90nm CMOS TECHNOLOGY**” submitted by **MOMKAR REDDY, M BHANU CHANDRASHEKAR RAO, AMOGH KRISHNA**, bearing roll numbers **197Z1A0468,197Z1A0470,197Z1A0455**, is in partial fulfillment for the award of the degree of **Bachelor of Technology in Electronics and Communication Engineering** from **Jawaharlal Nehru Technological University, Hyderabad** during the academic year **2022-23**.

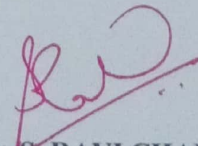
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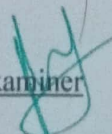
Dr. B. HARIPRASAD NAIK
Associate professor

Head of the Department



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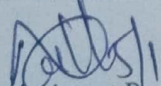
CERTIFICATE

This is to certify that the project work entitled "**HAND GESTURE SYSTEM**" submitted by **M. AKSHAY REDDY -197Z1A0467, M. SOUMYA -197Z1A0471, M. YASHWANTH -197Z1A0474** is inpartial fulfillment for the award of the degree of **Bachelor of Technology in Electronics and Communication Engineering** from **Jawaharlal Nehru Technological University, Hyderabad** during the academic year **2022-23**.

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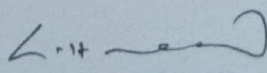
Dr. N. ADITHYA VALLI


Assistant Professor

Head of the Department

Dr. S. RAVI CHAND

Professor


External Examiner

School of Engineering

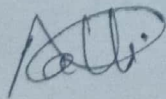
Department of Electronics and Communication Engineering

CERTIFICATE

This is to certify that the project work entitled "MOTION BASED MESSAGE CONVEYOR FOR PARALYTIC OR DISABLED PERSON" submitted by MAMILLA AKSHAY REDDY, MOOLA SOUMYA, MYANA YASHWANTH bearing roll numbers 197Z1A0467, 197Z1A0471, 197Z1A0474 is in fulfillment for the award of the degree of **Bachelor of Technology in Electronics and Communication Engineering** from **Jawaharlal Nehru Technological University, Hyderabad** during the academic year **2022-23**.

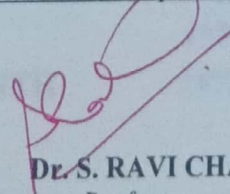
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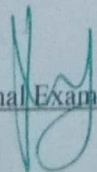
Dr. N. ADITHYA VALLI
Assistant professor

Head of the Department



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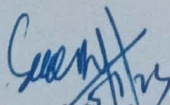
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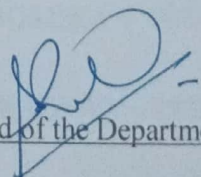
This is to certify that the project work entitled "**Design of AMBA based AHB-APB Bridge**" submitted by **K. AKSHITHA(197Z1A0451), K. BHOO MIKA(197Z1A0453), N. SAI KALYAN(197Z1A0476)** are in partial fulfillment for the award of the degree of **Bachelor of Technology in Electronics and Communication Engineering** from **Jawaharlal Nehru Technological University, Hyderabad** during the academic year **2022-23**.

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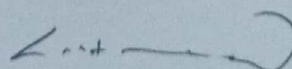
Dr. RAJASEKHAR TURAKA

Associate Professor


Head of the Department

Dr. S. RAVI CHAND

Professor


External Examiner



School of Engineering

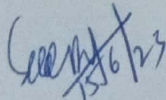
Department of Electronics and Communication Engineering

CERTIFICATE

This is to certify that the project work entitled “DESIGN AND ANALYSIS OF MULTIPLIER USING APPROXIMATE 4:2 COMPRESSOR” submitted by KOKKU AKSHITHA, KONDABATHULA BHOO MIKA, N SAI KALYAN REDDY bearing roll numbers 197Z1A0451,197Z1A0453,197Z1A0476 is in fulfillment for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering from Jawaharlal Nehru Technological University, Hyderabad during the academic year 2022-23.

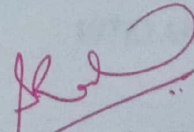
This project is a record of bonafide work carried out by them under the supervised guidance and has not been submitted to any other university or institution for the award of any degree.

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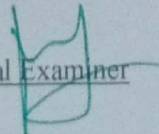
Dr. RAJASEKHAR TURAKA
Associate professor

Head of the Department



Dr. S. RAVI CHAND
Professor

External Examiner



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An Autonomous Institution

Chowdariguda, Medchal-Malkajgiri (Dist.), Hyderabad –500088, Telangana



School of Engineering

Department of Electronics and Communication Engineering

CERTIFICATE

This is to certify that the project work entitled “A Pipeline VLSI Architecture for Fast Computation of the 2-D Discrete Wavelet Transform” submitted by M. Raghu-197Z1A0465, M. Pavan Kumar Reddy - 197Z1A0463, M. Aishwarya- 197Z1A0466 is in partial fulfillment for the award of the degree of **Bachelor of Technology in Electronics and Communication Engineering** from **Jawaharlal Nehru Technological University, Hyderabad** during the academic year **2022-23**.

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Dr. B. HARI PRASAD NAIK

Associate Professor

Head of the Department

Dr. S. RAVI CHAND

Professor

External Examiner



School of Engineering

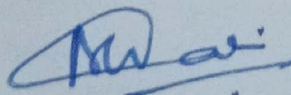
Department of Electronics and Communication Engineering

CERTIFICATE

This is to certify that the project work entitled “**DESIGN OF 4-BIT BRAUN MULTIPLIER USING CNTFET TECHNOLOGY**” submitted by **MALLADI RAGHU, M.AISHWARYA, M.PAVAN KUMAR REDDY** bearing roll numbers **197Z1A0465,197Z1A0466,197Z1A0463** is in partial fulfillment for the award of the degree of **Bachelor of Technology in Electronics and Communication Engineering** from **Jawaharlal Nehru Technological University, Hyderabad** during the academic year **2022-23**.

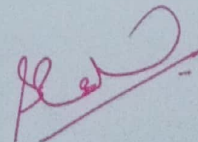
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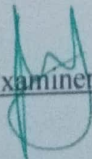
Dr. B. HARI PRASAD NAIK
Associate professor

Head of the Department



Dr. S. RAVICHAND
Professor

External Examiner



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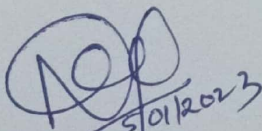
School of Engineering

Department of Electronics and Communication Engineering

CERTIFICATE

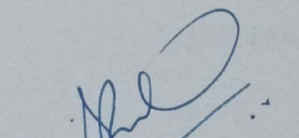
This is to certify that the project work entitled “SMART ENERGY METER USING IOT” submitted by **Dharoor Venkatnath Dass (207Z5A0404)**, **Raghusala Prasanjith (197Z1A0499)**, **Solluri Akhila (197Z1A04A7)** is in partial fulfillment for the award of the degree of **Bachelor of Technology in Electronics and Communication Engineering** from **Jawaharlal Nehru Technological University, Hyderabad** during the academic year **2022-23**.

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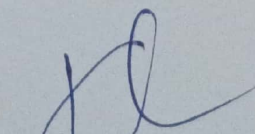

Internal Guide

Mr. K.NAVEEN KUMAR B.SC, B.TECH, M.E

Assistant Professor


Head of the Department
Dr. S.RAVICHAND

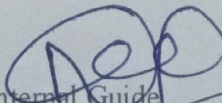
Professor


External Examiner

CERTIFICATE

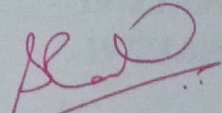
This is to certify that the project work entitled "HEAD MOTION BASED WHEELCHAIR" submitted by DHAROOR VENKATNATH DASS, SOLLURI AKHILA, RAGHUSALA PRASANJITH, bearing roll numbers 207Z5A0404, 197Z1A04A7, 197Z1A0499 is in partial fulfillment for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering from Jawaharlal Nehru Technological University, Hyderabad during the academic year 2022-23.

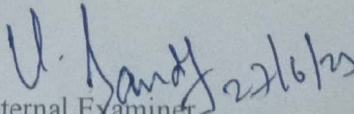
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15/06/2023

Mr. K.NAVEEN KUMAR B.SC, B.TECH, M.E
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School of Engineering

Department of Electronics and Communication Engineering

CERTIFICATE

This is to certify that the project work entitled "Over & Under Voltage Monitoring System Using Arduino" submitted by Vidhathri Joshi - 197Z1A0C1, S. Sai Charan - 197Z1A04A6, Y. Akash - 197Z1A04C7 is in partial fulfillment for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering from Jawaharlal Nehru Technological University, Hyderabad during the academic year 2022-23.

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Mrs. N. LAVNYA

Assistant Professor

Head of the Department

Dr. S. RAVI CHAND

Professor

External Examiner



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School of Engineering

Department of Electronics and Communication Engineering

CERTIFICATE

This is to certify that the project work entitled "SATELLITE IMAGE CLASSIFICATION USING EXTENDED LOCAL BINARY PATTERN & SUPPORT VECTOR MACHINE" submitted by VIDHATHRI JOSHI, S. SAI CHARAN, Y. AKASH bearing roll numbers 197Z1A04C1, 197Z1A04A6, 197Z1A04C7 is in fulfillment for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering from Jawaharlal Nehru Technological University, Hyderabad during the academic year 2022-23.

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Mrs. N. LAVANYA
Assistant Professor

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Professor

External Examiner

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School of Engineering

Department of Electronics and Communication Engineering

CERTIFICATE

This is to certify that the project work entitled **COIN BASED MOBILE CHARGER USING SOLAR ENERGY** submitted by **M.PAVAN, S.SAI SUJITH RAJU, T. MOHAN SAI**, bearing Roll.No.207Z5A0408, 197Z1A04A3, 197Z1A04A9, is in partial fulfillment for the award of the degree of **Bachelor of Technology in Electronics and Communication Engineering** from **Jawaharlal Nehru Technological University, Hyderabad** during the academic year **2022-23**.

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Mrs. K. ANURADHA

Assistant Professor

Head of the Department

Dr. S. RAVI CHAND

Professor

External Examiner

School of Engineering


Department of Electronics and Communication Engineering

CERTIFICATE

This is to certify that the project work entitled "**WEED DETECTION USING IMAGE PROCESSING**" submitted by **M. PAVAN, S. SAI SUJITH RAJU, T. MOHAN SAI** bearing roll numbers **207Z5A0408, 197Z1A04A3, 197Z1A04A9** is in fulfillment for the award of the degree of **Bachelor of Technology in Electronics and Communication Engineering** from **Jawaharlal Nehru Technological University, Hyderabad** during the academic year **2022-23**.

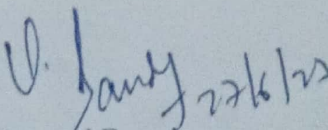
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Mrs. K. ANURADHA
Assistant professor

Head of the Department


Dr. S. RAVI CHAND
Professor


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School of Engineering

Department of Electronics and Communication Engineering

CERTIFICATE

This is to certify that the project work entitled "IOT BASED CHILD TRACKING SYSTEM USING ESP8266" submitted by Y.SAI LOKESH bearing Roll.No.197Z1A04C5, T.GOWRI SHANKAR, bearing Roll.No.197Z1A04B2, CH.SRAVANI bearing Roll.No.197Z1A04C9 is in partial fulfillment for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering from Jawaharlal Nehru Technological University, Hyderabad during the academic year 2022-23.

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Mr. KOUSTUBH KULKARNI

KR Kulkarni
Assistant Professor

Head of the Department

DR.S.RAVI CHAND

Professor

External Examiner





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School of Engineering

Department of Electronics and Communication Engineering

CERTIFICATE

This is to certify that the project work entitled "DESIGN OF FINGERPRINT CUM GPS TRACKING PROTOTYPE FOR VEHICLE AND LICENSE AUTHENTICITY" submitted by Y. SAI LOKESH, T. GOWRI SHANKAR, CH. SRAVANI, bearing roll numbers 197Z1A04C5, 197Z1A04B2, 197Z1A04C9 is in fulfillment for the award of the degree of **Bachelor of Technology in Electronics and Communication Engineering** from **Jawaharlal Nehru Technological University, Hyderabad** during the academic year 2022-23.

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Mr. KOUSTUBH KULKARNI
Assistant Professor

Head of the Department

Dr. S. RAVI CHAND
Professor

External Examiner



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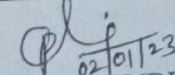
Department of Electronics and Communication Engineering

CERTIFICATE

This is to certify that the project work entitled **ARDUINO BASED SOLAR TRACKER** submitted by **DHRITHIK RAJ V.R. -197Z1A04B9**, **T. SAI KIRAN -197Z1A04B1**, **SHAIK SAMEER -197Z1A04A4** is in partial fulfilment for the award of the degree of **Bachelor of Technology in Electronics and Communication Engineering** from **Jawaharlal Nehru Technological University, Hyderabad** during the academic year **2022-23**.

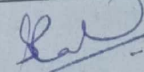
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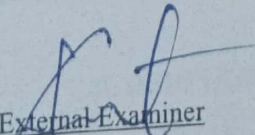

02/01/23
Mr. CH PHANINDRA

Assistant Professor

Head of the Department


Dr. S. RAVI CHAND

Professor


External Examiner



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School of Engineering

Department of Electronics and Communication Engineering

CERTIFICATE

This is to certify that the project work entitled “**COMPACT 4-ELEMENT BEAM STEERABLE ADAPTIVE ARRAY ANTENNA FOR 5G APPLICATION**” submitted by **DHRITHIK RAJ V.R, T. SAI KIRAN SINGH, SHAIK SAMEER** bearing roll numbers **197Z1A04B9, 197Z1A04B1, 197Z1A04A4** is in fulfillment for the award of the degree of **Bachelor of Technology in Electronics and Communication Engineering** from **Jawaharlal Nehru Technological University, Hyderabad** during the academic year **2022-23**.

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Internal Guide

Mr. CH PHANINDRA
Assistant Professor

Head of the Department

Dr. S. RAVI CHAND
Professor

External Examiner

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School of Engineering

Department of Electronics and Communication Engineering

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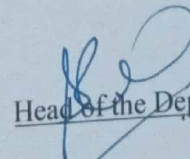
This is to certify that the project work entitled "Pipeline Cleaning Robot" submitted by **Bhargavi - 197Z1A04B5, S. Durga Prasad- 197Z1A04A8, Krishna Charan- 207Z5A0414** is in partial fulfilment for the award of the degree of Bachelor of Technology in **Electronics and Communication Engineering** from **Jawaharlal Nehru Technological University, Hyderabad** during the academic year **2022-23**.

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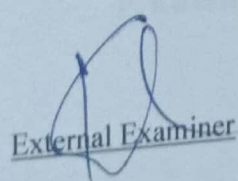
DR. N. ADITHYA VALLI

Assistant Professor


Head of the Department

Dr. S. RAVICHAND

Professor


External Examiner



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School of Engineering

Department of Electronics and Communication Engineering
CERTIFICATE

This is to certify that the project work entitled "KIDNEY STONE DETECTION FROM ULTRA SOUND IMAGES BY USING CANNY EDGE DETECTION AND CNN CLASSIFICATION" submitted by T.BHARGAVI, S.DURGA PRASAD,P. KRISHNA CHARAN bearing roll numbers 197Z1A04B5, 197Z1A04A8, 207Z5A0414 is in fulfillment for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering from Jawaharlal Nehru Technological University, Hyderabad during the academic year 2022-23.

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Internal Guide

K. Rambabu
Mr. K. RAMBABU
Assistant Professor

Head of the Department

S. Ravi Chand
Dr. S. RAVI CHAND
Professor

U. Jany 27/6/23
External Examiner



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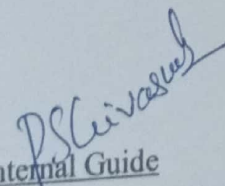
School of Engineering

Department of Electronics and Communication Engineering

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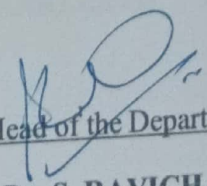
This is to certify that the project work entitled “**Biometric Based Library Management System**” submitted by **K. Shobha Rani(207Z5A0406)**, **Y. Sankeerth(197Z1A004C6)** is in partial fulfillment for the award of the degree of **Bachelor of Technology in Electronics and Communication Engineering** from **Jawaharlal Nehru Technological University, Hyderabad** during the academic year **2022-23**.

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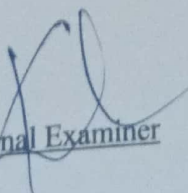
Mr. P. S. SREENIVAS REDDY

Associate Professor


Head of the Department

Dr. S. RAVICHAND

Professor


External Examiner



School of Engineering

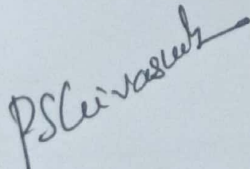
Department of Electronics and Communication Engineering

CERTIFICATE

This is to certify that the project work entitled "IMPLEMENTATION OF SPEECH ENHANCEMENT TECHNIQUES USING DSP PROCESSOR" submitted by K SHOBHA RANI, Y SANKEERTH bearing roll numbers 207Z5A0406, 197Z1A04C6 is in partial fulfillment for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering from Jawaharlal Nehru Technological University, Hyderabad during the academic year 2022-23.

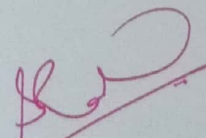
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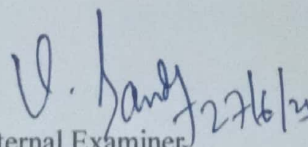


Mr. P. S. SREENIVASA REDDY
Associate professor

Head of the Department



Dr. S. RAVI CHAND
Professor


27/6/23

External Examiner

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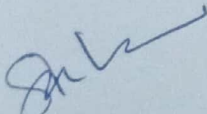
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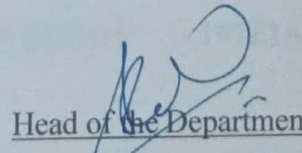
This is to certify that the project work entitled "Skin Disease Detection Using Image Processing" submitted by Veerumallu Madhuri – 207Z5A0420, Vasikarla Ragini Santhoshi – 197Z1A04B7, Gutha Indra Karan Reddy – 197Z1A04D0 is in partial fulfillment for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering from Jawaharlal Nehru Technological University, Hyderabad during the academic year 2022-23.

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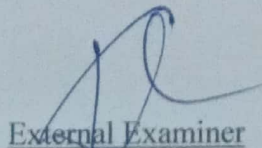

Internal Guide

Dr. S KARTHICK

Assistant Professor


Head of the Department
Dr.S. RAVI CHAND

Professor


External Examiner

School of Engineering

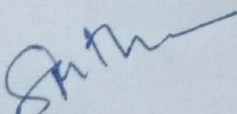
Department of Electronics and Communication Engineering

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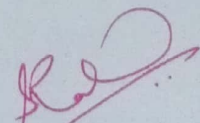
This is to certify that the project work entitled "DIABETIC RETINOPATHY DETECTION USING IMAGE PROCESSING" submitted by V. MADHURI, V. RAGINI SANTHOSHI, G. INDRA KARAN REDDY, bearing roll numbers 207Z5A0420,197Z1A04B7,197Z1A04D0 is in fulfillment for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering from Jawaharlal Nehru Technological University, Hyderabad during the academic year 2022-23.

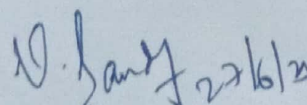
This project is a record of bonafide work carried out by them under the supervised guidance and has not been submitted to any other university or institution for the award of any degree.

Internal Guide


Dr.S. KARTHICK
Assistant professor

Head of the Department


Dr.S. RAVI CHAND
Professor


External Examiner

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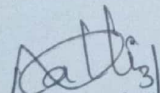
School of Engineering

Department of Electronics and Communication Engineering

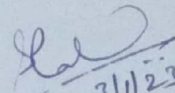
CERTIFICATE

This is to certify that the project work entitled "Rice Quality Analysis Using Image Processing Techniques" submitted by P.ARAVIND - 207Z5A0417, M.HARSHITHA - 207Z5A0409, D.SAIKIRAN - 207Z5A0405 is in partial fulfillment for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering from Jawaharlal Nehru Technological University, Hyderabad during the academic year 2022-23.

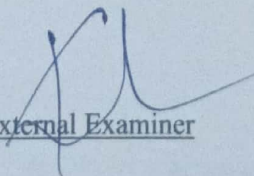
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Dr. N. ADITHYA VALLI
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School of Engineering

Department of Electronics and Communication Engineering

CERTIFICATE

This is to certify that the project work entitled “**DETERMINATION AND ANALYSIS OF ARTHRITIS USING DIGITAL IMAGE PROCESSING TECHNIQUES**” submitted by **P. ARAVIND, M. HARSHITH, D. SAIKIRAN** bearing roll numbers **207ZA0417, 207ZA0409, 207ZA0405** is in partial fulfillment for the award of the degree of **Bachelor of Technology in Electronics and Communication Engineering** from **Jawaharlal Nehru Technological University, Hyderabad** during the academic year **2022-23**.

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Dr. N. ADITHYA VALLI
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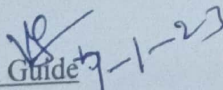
School of Engineering

Department of Electronics and Communication Engineering

CERTIFICATE

This is to certify that the project work entitled "POWER EFFICIENT 4:2 ADDER COPRESSOR" submitted by N. VENU GOPAL CHARY -197Z1A04C0, VAIBHAV AVASTHY -197Z1A04B6, TEROJI YAMINI -197Z1A04B0 is in partial fulfilment for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering from Jawaharlal Nehru Technological University, Hyderabad during the academic year 2022-23.

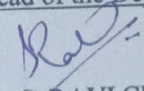
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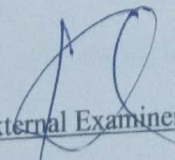
Dr. SRAVAN KUMAR VITTAPU

Associate Professor

Head of the Department


Dr. S. RAVI CHAND

Professor


External Examiner

School of Engineering

Department of Electronics and Communication Engineering

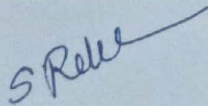
CERTIFICATE

This is to certify that the project work entitled "RFID BASED AUTOMATIC RATION DISTRIBUTION TECHNOLOGY" submitted by Vaibhav Avasthy bearing roll number 197Z1A04B6 is in partial fulfillment for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering from Jawaharlal Nehru Technological University, Hyderabad during the academic year 2022-23.

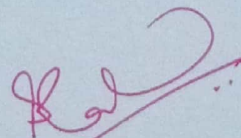
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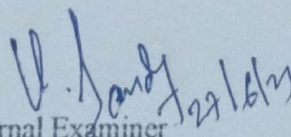
Head of the Department



Dr. S. REKHA
Associate Professor



Dr. S. RAVI CHAND
Professor



External Examiner

School of Engineering

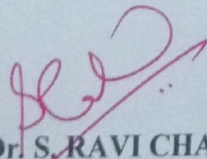
Department of Electronics and Communication Engineering

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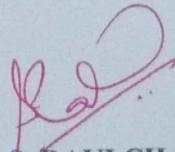
This is to certify that the project work entitled "**BRAIN TUMOR DETECTION USING MACHINE LEARNING ALGORITHM**" submitted by **venu gopal chary nerella, Yamini Teroji** bearing roll numbers **197Z1A04C0,197Z1A04B0** is in fulfillment for the award of the degree of **Bachelor of Technology in Electronics and Communication Engineering** from **Jawaharlal Nehru Technological University, Hyderabad** during the academic year **2022-23**.

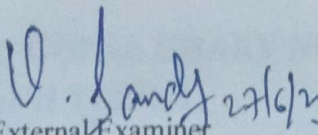
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Dr. S. RAVI CHAND
Professor

Head of the Department


Dr. S. RAVI CHAND
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External Examiner

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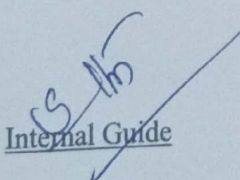
School of Engineering

Department of Electronics and Communication Engineering

CERTIFICATE

This is to certify that the project work entitled "Automatic Door Lock System Using ESP32 MODULE" submitted by **R. Vivek Krishna, Md. Ibrahim, V. Naveen Reddy** bearing Roll.No.197Z1A04A2, 207Z5A0411, 197Z1A0C4, is in partial fulfillment for the award of the degree of **Bachelor of Technology in Electronics and Communication Engineering** from **Jawaharlal Nehru Technological University, Hyderabad** during the academic year **2022-23**.

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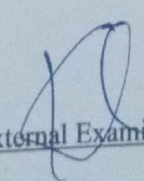
Mrs. B. SUNEETHA

Associate Professor


Head of the Department

Dr. S. RAVI CHAND

Professor


External Examiner



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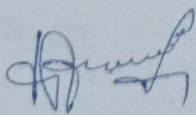
Department of Electronics and Communication Engineering

CERTIFICATE

This is to certify that the project work entitled “U-SLOT LOADED HALF-CIRCLED MICROSTRIP PATCH ANTENNA ANALYSIS USING XGBOOST MACHINE LEARNING ALGORITHM” submitted by **R.VIVEK KRISHNA, V.NAVEEN KUMAR, MOHAMMAD IBRAHIM** bearing roll numbers **197Z1A04A2,197Z1A04C4,207Z5A0411** is in fulfillment for the award of the degree of **Bachelor of Technology in Electronics and Communication Engineering** from **Jawaharlal Nehru Technological University, Hyderabad** during the academic year **2022-23**.

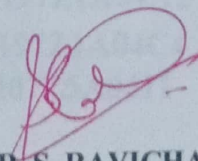
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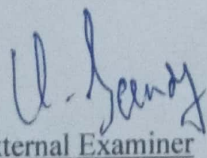


Mr. K. RAMESH
Assistant professor

Head of the Department



DR. S. RAVICHAND
Professor

 27/6/23
External Examiner

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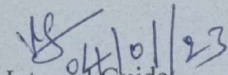
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Department of Electronics and Communication Engineering

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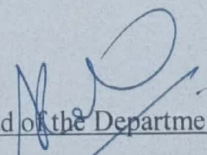
This is to certify that the project work entitled "Robotic Vehicle Movement By Cellphone" submitted by A. SRI LAXMI PRASANNA, bearing Roll.No.207Z5A0401, B. TEJA GOUD bearing Roll.No.207Z5A0402, M. PRIYANKA, bearing Roll.No.207Z5A0410 is in partial fulfillment for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering from Jawaharlal Nehru Technological University, Hyderabad during the academic year 2022-23.

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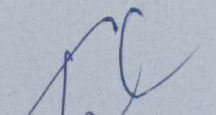

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Dr. V. SRAVAN KUMAR

Associate Professor


Head of the Department
Dr. S. RAVICHAND

Professor


External Examiner

School of Engineering

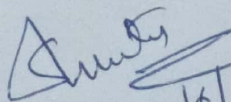
Department of Electronics and Communication Engineering

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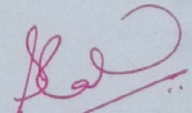
This is to certify that the project work entitled "**COMPUTER SPEECH RECOGNITION USING MACHINE LEARNING**" submitted by **A. SRI LAXMI PRASANNA, B. TEJA GOUD, M. PRIYANKA** bearing roll numbers **207Z5A0401, 207Z5A0402, 207Z5A0410** is in fulfillment for the award of the degree of **Bachelor of Technology in Electronics and Communication Engineering** from **Jawaharlal Nehru Technological University, Hyderabad** during the academic year **2022-23**.

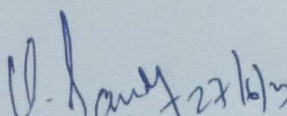
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Mrs. SWETHA T
Assistant professor
16/6/23

Head of the Department


Dr. S. RAVI CHAND
Professor & HOD


External Examiner
27/6/23

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School of Engineering

Department of Electronics and Communication Engineering

CERTIFICATE

This is to certify that the project work entitled "**PASSWORD BASED CIRCUIT BREAKER**" submitted by **P. SHEKAR (207Z5A0415), T. JAGADEESH (197Z1A04B4), R. SRIKANTH (207Z5A0418)** is in partial fulfillment for the award of the degree of **Bachelor of Technology in Electronics and Communication Engineering** from **Jawaharlal Nehru Technological University, Hyderabad** during the academic year **2022-23**.

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Project Supervisor

Mrs. N. LAVANYA

Assistant Professor

Head of the Department

Dr. S. RAVI CHAND

Professor

External Examiner



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School of Engineering

Department of Electronics and Communication Engineering

CERTIFICATE

This is to certify that the project work entitled “**DRIVER DROWSINESS DETECTION USING FACIAL FEATURES**” submitted by **PATHLAVATH SHEKAR, REGU SRIKANTH, THOORIPATI JAGADEESH**, bearing roll numbers **207Z5A0415, 207Z5A0418, 197Z1A04B4** is in fulfillment for the award of the degree of **Bachelor of Technology in Electronics and Communication Engineering** from **Jawaharlal Nehru Technological University, Hyderabad** during the academic year **2022-23**.

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Mr. B. RAVI
Assistant professor

Head of the Department

Dr. S. RAVI CHAND
Professor

External Examiner



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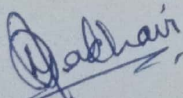
CERTIFICATE

This is to certify that the project work entitled "INTELLIGENT HIGHWAYS WITH WARNING MESSAGE AND DIVERSIONS ACCORDING TO CLIMATE CONDITIONS" submitted by R.Harika - 197Z1A04A1, V.Neeraj - 197Z1A04C3, R.Pranay - 197Z1A04A0 is in partial fulfillment for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering from Jawaharlal Nehru Technological University, Hyderabad during the academic year 2022-23.

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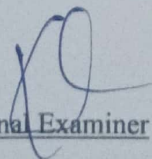
Mrs. K.MADHAVI


Assistant Professor

Head of the Department

Dr. S.RAVICHAND

Professor


External Examiner





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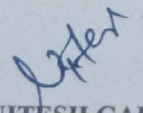
Department of Electronics and Communication Engineering

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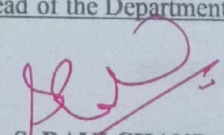
This is to certify that the project work entitled "ASSISTIVE PATTERN AND COLOUR RECOGNITION FOR VISUALLY IMPAIRED PEOPLE" submitted by R. HARIKA, V.NEERAJ, R.PRANAY bearing roll numbers 197Z1A04A1, 197Z1A04C3, 197Z1A04A0 is in fulfillment for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering from Jawaharlal Nehru Technological University, Hyderabad during the academic year 2022-23.

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Internal Guide


Mr. NITESH GAIKWAD
Assistant Professor

Head of the Department


Dr. S. RAVI CHAND
Professor


External Examiner



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School of Engineering

Department of Electronics and Communication Engineering

CERTIFICATE

This is to certify that the project work entitled "SOLAR CELL BASED MOBILE CHARGER" submitted by Thangella Akshaya-197Z1A04B3, Musthyala Prashanth - 207Z5A0412, Beeram Sai Dhanush- 207Z5A0403 is in partial fulfillment for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering from Jawaharlal Nehru Technological University, Hyderabad during the academic year 2022-23.

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Mrs. K MADHAVI

Assistant Professor

Head of the Department

Dr. S. RAVI CHAND

Professor

External Examiner





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School of Engineering

Department of Electronics and Communication Engineering

CERTIFICATE

This is to certify that the project work entitled “**NIGHT VISION PATROLLING ROBOT**” submitted by **T. AKSHAYA, M. PRASHANTH, B.SAI DHANUSH**, bearing roll numbers **197Z1A04B3,207Z5A0412,207Z5A0403**, is in fulfillment for the award of the degree of **Bachelor of Technology in Electronics and Communication Engineering** from **Jawaharlal Nehru Technological University, Hyderabad** during the academic year **2022-23**.

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Internal Guide

Dr. S. REKHA
Associate professor

Head of the Department

Dr. S. RAVI CHAND
Professor

External Examiner



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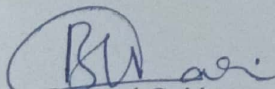
School of Engineering

Department of Electronics and Communication Engineering

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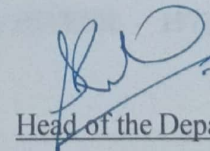
This is to certify that the project work entitled "DESIGN A 2-BIT/4-BIT SHIFT REGISTER USING QUANTOM CELLULAR ATOMATA" submitted by, KANUGANTI RAVALI - 207Z5A0407, S.SHIVATEJA REDDY - 207Z5A0419, VODAPALLI HITESH - 197Z1A04C2 is in partial fulfillment for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering from Jawaharlal Nehru Technological University, Hyderabad during the academic year 2022-23.

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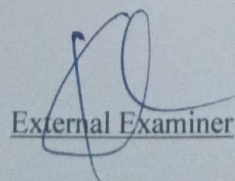
DR. B. HARI PRASAD NAIK

✕ Professor


Head of the Department

Dr. S.RAVI CHAND

Professor


External Examiner



School of Engineering

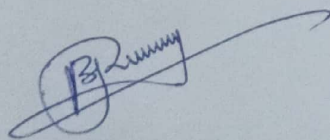
Department of Electronics and Communication Engineering

CERTIFICATE

This is to certify that the project work entitled "DEIGN OF 4-BIT RIPPLE CARRY ADDER USING QUANTUM DOT CELLULAR AUTOMATA" submitted by **K. RAVALI, S. SHIVA TEJA REDDY, V. HITESH** bearing roll numbers **207Z5A0407,207Z5A0419,197Z1A04C2** is in fulfillment for the award of the degree of **Bachelor of Technology in Electronics and Communication Engineering** from **Jawaharlal Nehru Technological University, Hyderabad** during the academic year **2022- 23**.

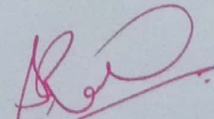
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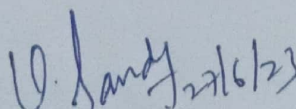


Mr. B. Ravi
Assistant Professor

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Dr. S. RAVICHAND
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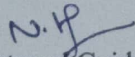
School of Engineering

Department of Electronics and Communication Engineering

CERTIFICATE

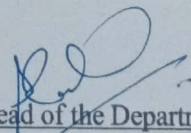
This is to certify that the project work entitled “**Novel Radiation-Hardened-By-Design (RHBD) 24T memory cell in Nanoscale FINFET Technology**” submitted by **Y.Mounika – 197Z1A04C8, V.Anivesh – 197Z1A04B8, N.Sowmya – 207Z5A0413** is in partial fulfillment for the award of the degree of **Bachelor of Technology in Electronics and Communication Engineering** from **Jawaharlal Nehru Technological University, Hyderabad** during the academic year **2022-23**.

This project is a record of bonafide work carried out by them under the supervised guidance and has not been submitted to any other university or institution for the award of any degree.


Internal Guide

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CERTIFICATE

This is to certify that the project work entitled "MULTI-PARAMETER DATA ACQUISITION SYSTEM FOR EFFICIENT BIO-TELEMONITORING OF PREGNANT WOMEN AT HOME" submitted by Y. MOUNIKA, V. ANIVESH, N. SOWMYA bearing roll numbers 197Z1A04C8, 197Z1A04B8, 207Z5A0413 is in fulfillment for the award of the degree of **Bachelor of Technology in Electronics and Communication Engineering** from **Jawaharlal Nehru Technological University, Hyderabad** during the academic year **2022-23**.

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