



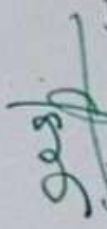
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(A Government of India Enterprise)

CERTIFICATE

This is to Certify that Mr/Ms Juttuka tallebabu Roll
Number 18U41A0437 studying B.Tech(ECE) at DADI
INSTITUTE OF ENGINEERING AND TECHNOLOGY has
successfully completed Internship for 2 weeks in Networking
with effect from 11/10/2021

BSNL wishes him/her all the best for a bright future


Asst. General Manager (Training)
BSNL, Visakhapatnam

Date : 30/10/2021
ID : 2021MR493





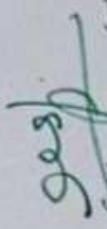
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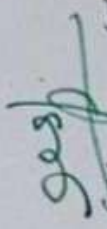
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BSNL wishes him/her all the best for a bright future


Asst. General Manager (Training)
BSNL, Visakhapatnam

Date : 30/10/2021
ID : 2021MR493





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C E R T I F I C A T E

This is to Certify that Mr/Ms **TRINADH MADAPATI** Roll Number **18U41A0450** studying **B.Tech(ECE)** at **DADI INSTITUTE OF ENGINEERING AND TECHNOLOGY** has successfully completed **Internship** for 2 weeks in **Networking** with effect from **11/10/2021**

BSNL wishes him/her all the best for a bright future

*Asst. General Manager (Training)
BSNL, Visakhapatnam*

Date : 30/10/2021
ID : 2021MT497





सर्वोपरि प्राधिकार प्राप्त राष्ट्रीय
All India Council for Technical Education



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National Educational Alliance for Technology



Nation Building Through Skills



Virtual Internship Completion Certificate

This is to certify that

DIVYA TALARI

Dadi Institute of Engineering & Technology

has successfully completed 10 weeks

AWS Cloud Virtual Internship

during Oct - Dec 2021

Supported By  academy

Shri Buddha Chandrasekhar
Chief Coordinating Officer (CCO)
NEAT Cell, AICTE

Dr. Satya Ranjan Biswal
Chief Technology Officer (CTO)
EduSkills



Certificate ID :c04c3e5ccc5147de3d5ebaac714471c7

Student ID :STU60fbb52b310d41627108651



सर्वोच्च तकनीकी शिक्षा परिषद
All India Council for Technical Education



Virtual Internship Completion Certificate

This is to certify that

KOILADA CHANAKYA

Dadi Institute of Engineering & Technology

has successfully completed 10 weeks

AWS Cloud Virtual Internship

during Oct - Dec 2021

Supported By **aws** academy

Shri Buddha Chandrasekhar
Chief Coordinating Officer (CCO)
NEAT Cell, AICTE

Dr. Satya Ranjan Biswal
Chief Technology Officer (CTO)
EduSkills



Certificate ID :9d6bef44c96614e16f7db517852052e1

Student ID :STU60fbbd4385c1b1627110723



SRI SHASHA PRAYATHI TECHNOLOGIES PVT. LTD.
NITK-STEP, Srinivasnagar, Surathkal, Mangalore – 575025

Certificate

This is to certify that Mr. P. Swarjan of Dadi Institute of Engineering & Technology, Vishakhapatnam has participated in the “Online Internship Programme on Machine Learning with MATLAB” held from 21st October 2021 to 29th November 2021 and has satisfactorily completed the course.



P. Yeswanth ..

Mr. Yeswanth Pattipathi
Director



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C E R T I F I C A T E

This is to Certify that Mr/Ms *Rajana Nandhini* Roll Number *20U45A0416* studying *B.Tech(ECE)* at *DADI INSTITUTE OF ENGINEERING AND TECHNOLOGY* has successfully completed *Internship* for *2 weeks* in *Networking* with effect from *11/10/2021*

BSNL wishes him/her all the best for a bright future

Asst. General Manager (Training)
BSNL, Visakhapatnam

Date : 30/10/2021

ID : 2021MR462





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C E R T I F I C A T E

This is to Certify that Mr/Ms *Nagam vidhyasree* Koff
Number *20U45A0413* studying *B.Tech(ECE)* at *DADE*
INSTITUTE OF ENGINEERING AND TECHNOLOGY has
successfully completed *Internship* for *2 weeks* in *Networking*
with effect from *11/10/2021*

BSNL wishes him/her all the best for a bright future

Asst. General Manager (Training)
BSNL, Visakhapatnam

Date : 30/10/2021

ID : 2021MR459



CERTIFICATE

OF COMPLETION

THIS IS TO CERTIFY THAT

Malla.Mohana Prathyusha

Department of Electronics and Communication engineering

DADI Institute of engineering and technology

has completed the PHASE I INTERNSHIP PROGRAM ON

Artificial Intelligence

Duration : 15 Days

From : 11th October 2021 - 26th October 2021



Pantech e Learning
DIGITAL LEARNING SIMPLIFIED



A handwritten signature in black ink, appearing to read 'Srinivasan.N'.

SRINIVASAN.N
Director



SRI SHASHA PRAYATHI TECHNOLOGIES PVT. LTD.

NITK-STEP, Srinivasnagar, Surathkal, Mangalore - 575025

Certificate

This is to certify that Ms. S. Roopa of Dadi Institute of Engineering & Technology, Vishakhapatnam has participated in the "Online Internship Programme on Machine Learning with MATLAB" held from 21st October 2021 to 29th November 2021 and has satisfactorily completed the course.



P. Yeswanth

Mr. Yeswanth Pattipathi
Director



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C E R T I F I C A T E

This is to Certify that Mr/Ms Kolla Sumanth Roll Number
18U41A0448 studying B.Tech(ECE) at DADI INSTITUTE OF
ENGINEERING AND TECHNOLOGY has successfully
completed Internship for 2 weeks in Networking with effect
from 11/10/2021

BSNL wishes him/her all the best for a bright future

Asst. General Manager (Training)
BSNL, Visakhapatnam

Date : 30/10/2021
ID : 2021MR496





BHARAT SANCHAR NIGAM LIMITED

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CERTIFICATE

This is to Certify that Mr/Ms POLIMERA KUSHAN KUMAR Roll Number 20U45A0415 studying B.Tech(ECE) at DADI INSTITUTE OF ENGINEERING AND TECHNOLOGY has successfully completed Internship for 2 weeks in Networking with effect from 11/10/2021

BSNL wishes him/her all the best for a bright future

Asst. General Manager (Training)
BSNL, Visakhapatnam

Date : 30/10/2021
ID : 2021:MR45





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C E R T I F I C A T E

*This is to Certify that Mr/Ms Madem Venkata Sai Snehit
Roll Number 20U45A0411 studying B.Tech(ECE) at DADI
INSTITUTE OF ENGINEERING AND TECHNOLOGY has
successfully completed Internship for 2 weeks in Networking
with effect from 11/10/2021*

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*Asst. General Manager (Training)
BSNL, Visakhapatnam*

Date : 30/10/2021

ID : 2021MR460





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C E R T I F I C A T E

This is to Certify that Mr/Ms *MARTURI HARISH ROLL*
Number *20U45A0429* studying *B.Tech(ECE)* at *D.A.D.I*
INSTITUTE OF ENGINEERING AND TECHNOLOGY has
successfully completed *Internship* for *2 weeks* in *Networking*
with effect from *11/10/2021*

BSNL wishes him/her all the best for a bright future

gesj
Asst. General Manager (Training)
BSNL, Visakhapatnam

Date : *30/10/2021*
ID : *2021MR147*





SRI SHASHA PRAYATHI TECHNOLOGIES PVT. LTD.

NITK-STEP, Srinivasnagar, Surathkal, Mangalore – 575025

Certificate

This is to certify that Ms. P.Chandrakala of Dadi Institute of Engineering & Technology, Vishakhapatnam has participated in the "Online Internship Programme on Machine Learning with MATLAB" held from 21st October 2021 to 29th November 2021 and has satisfactorily completed the course.



P. Yeswanth

Mr. Yeswanth Pattipathi
Director




BHARAT SANCHAR NIGAM LIMITED

(A Government of India Enterprise)

C E R T I F I C A T E

*This is to Certify that Mr/Ms Kapu Yamini Roll Number
18U41A0415 studying B.Tech(ECE) at DADI INSTITUTE OF
ENGINEERING AND TECHNOLOGY has successfully
completed Internship for 2 weeks in Networking with effect
from 11/10/2021*

BSNL wishes him/her all the best for a bright future


*Asst. General Manager (Training)
BSNL, Visakhapatnam*

*Date : 30/10/2021
ID : 2021MR490*





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C E R T I F I C A T E

This is to Certify that Mr/Ms **CHARAKKAPU SAI
SANTHOSH KUMAR** Roll number **18U41A0408** studying
**B.TECHNICE) at DADI INSTITUTE OF ENGINEERING AND
TECHNOLOGY** has successfully completed **Internship** for **2
weeks** in **Networking** with effect from **11/10/2021**

BSNL wishes him/her all the best for a bright future


Asst. General Manager (Training)
BSNL, Visakhapatnam

Date : 30/10/2021

ID : 2021.MF.488



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C E R T I F I C A T E

This is to Certify that Mr/Ms **CHARAKKAPU SAI
SANTHOSH KUMAR** Roll number **18U41A0408** studying
**B.TECHNICE) at DADI INSTITUTE OF ENGINEERING AND
TECHNOLOGY** has successfully completed **Internship** for **2
weeks** in **Networking** with effect from **11/10/2021**

BSNL wishes him/her all the best for a bright future


Asst. General Manager (Training)
BSNL, Visakhapatnam

Date : 30/10/2021

ID : 2021.MF488



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EduSkills
Nation Building Through Skills

अखिल भारतीय तकनीकी शिक्षा परिषद
All India Council for Technical Education



Virtual Internship Completion Certificate

This is to certify that

KADIMISETTI TEJA

Dadi Institute of Engineering & Technology

has successfully completed 10 weeks

AWS Cloud Virtual Internship

during Oct - Dec 2021

Supported By **aws** academy

Shri Buddha Chandrasekhar
Chief Coordinating Officer (CCO)
NEAT Cell, AICTE

Dr. Satya Ranjan Biswal
Chief Technology Officer (CTO)
EduSkills



Certificate ID : d17b1b01291457a925e668995c8f721b7

Student ID : STU60fbb4ce74ea01627108558



सर्वोच्च प्रास्ताविक संस्थानों के लिए
All India Council for Technical Education



N.E.A.T
प्रौद्योगिकी के लिए राष्ट्रीय शैक्षणिक सहयोग
National Educational Alliance for Technology



Matton Building Through Skills



Virtual Internship Completion Certificate

This is to certify that

GUNDARAPU GUNDARAPU TEJASRI

Dadi Institute of Engineering & Technology

has successfully completed 10 weeks

AWS Cloud Virtual Internship

during Oct - Dec 2021

Supported By **aws** academy

Shri Buddha Chandrasekhar
Chief Coordinating Officer (CCO)
NEAT Cell, AICTE

Dr. Satya Ranjan Biswal
Chief Technology Officer (CTO)
EduSkills



Certificate ID : 04e205caee443e1e1e6506648b02b330af
Student ID : STU60fbb8311c01a1e27109425





SRI SHASHA PRAYATHI TECHNOLOGIES PVT. LTD.

NITK-STEP, Srinivasnagar, Surathkal, Mangalore – 575025

Certificate

This is to certify that Mr. G. Abish of Dadi Institute of Engineering & Technology, Vishakhapatnam has participated in the "Online Internship Programme on Machine Learning with MATLAB" held from 21st October 2021 to 29th November 2021 and has satisfactorily completed the course.



Mr. Yeswanth Pattipathi
Director



BHARAT SANCHAR NIGAM LIMITED

(A Government of India Enterprise)

C E R T I F I C A T E

This is to Certify that Mr/Ms **UDDAGIRI USHODAYA**
Roll Number **20U45A0421** studying **B.Tech(ECE)** at **DADI**
INSTITUTE OF ENGINEERING AND TECHNOLOGY has
successfully completed **Internship** for **2 weeks in Networking**
with effect from **11/10/2021**

BSNL wishes him/her all the best for a bright future

Assi. General Manager (Training)
BSNL, Visakhapatnam

Date : 30/10/2021

ID : 2021MR449



CERTIFICATE

OF COMPLETION

THIS IS TO CERTIFY THAT

Adireddi khyathi

Department of Electronics and Communication engineering

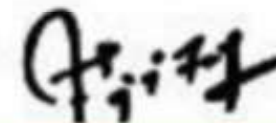
Dadi institute of engineering and technology

has completed the PHASE I INTERNSHIP PROGRAM ON

Artificial Intelligence

Duration : 15 Days

From : 11th October 2021 - 26th October 2021



SRINIVASAN.N

Director



SRI SHASHA PRAYATHI TECHNOLOGIES PVT. LTD.
NITK-STEP, Srinivasnagar, Surathkal, Mangalore – 575025

Certificate

*This is to certify that **Mr. M. Akhilesh** of **Dadi Institute of Engineering & Technology, Vishakhapatnam** has participated in the “**Online Internship Programme on Machine Learning with MATLAB**” held from **21st October 2021** to **29th November 2021** and has satisfactorily completed the course.*



P. Yeswanth
Mr. Yeswanth Pattipathi
Director



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(A Government of India Enterprise)

C E R T I F I C A T E

This is to Certify that **M/ Ms FENTAKOTA SRIRAMYA**
Roll Number **18U41A0449** studying **B.Tech(ECE)** at **DADI**
INSTITUTE OF ENGINEERING AND TECHNOLOGY has
successfully completed **Internship** for **2 weeks in Networking**
with effect from **11/10/2021**

BSNL wishes him/her all the best for a bright future

gesp
Asst. General Manager (Training)
BSNL, Visakhapatnam

Date : 30/10/2021
ID : 2021MR480





SRI SHASHA PRAYATHI TECHNOLOGIES PVT. LTD.

NITK-STEP, Srinivasnagar, Surathkal, Mangalore – 575025

Certificate

This is to certify that Mr. B. Balaji of Dadi Institute of Engineering & Technology, Vishakhapatnam has participated in the "Online Internship Programme on Machine Learning with MATLAB" held from 21st October 2021 to 29th November 2021 and has satisfactorily completed the course.



P. Yeswanth

Mr. Yeswanth Pattipathi
Director



अखिल भारतीय तकनीकी शिक्षा परिषद्
All India Council for Technical Education

Nation Building Through Skills



Virtual Internship Completion Certificate

This is to certify that

VOODA MEGHANA

Dadi Institute of Engineering & Technology

has successfully completed 10 weeks

AWS Cloud Virtual Internship

during Oct - Dec 2021

Supported By **aws** academy

Shri Buddha Chandrasekhar
Chief Coordinating Officer (CCO)
NEAT Cell, AICTE

Dr. Satya Ranjan Biswal
Chief Technology Officer (CTO)
EduSkills



Certificate ID :2e915974bb37757e588c955ad7ce2e28

Student ID :STU5f4e17a10566b41598953377



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Dr. Satya Ranjan Biswal
Chief Technology Officer (CTO)
EduSkills



Certificate ID :2e915974bb37757e588c955ad7ce2e28

Student ID :STU5f4e17a1056b41598953377

DEPARTMENT OF EEE

“Exposure and Field Visit to NSTL-DRDO VIZAG” Report

Industry Visited: Naval Science and Technological Laboratory (NSTL)-DRDO, NAD Junction, Visakhapatnam

Chief Patron: Sri Dadi Ratnakar, Chairman

Patron : Dr. Challa Narasimham, Principal

Conveners : Dr. K. Sujatha, Professor, R&D Convenor

Mr.A. Krishna Nag, Associate Professor, HOD-EEE.

Coordinator: Mr. P. Raghavendra Rao, Assistant Professor, EEE Dept.

Date : 25 February, 2022

Department of EEE, Dadi Institute of Engineering & Technology has successfully organized a field visit to “NSTL-DRDO VIZAG” for students. This was conducted to know the latest technologies used by the Defence forces. NSTL-DRDO VIZAG the Naval Science and Technological Laboratory is an Indian defence laboratory of the Defence Research and Development Organization, located in Visakhapatnam. Its main function is the research and development of underwater weapons and associated systems. NSTL is organized under DRDO's Directorate of Naval R&D. This has motivated all enthusiastic students to utilize this opportunity and know about the technologies used in the Defence forces.

Objectives:

- To create an environment for exploring innovative technologies used in the ships and submarines.
- To nurture and help students in promoting their Ideas to next level.

Outcomes:

- Students have gained confidence in generating and promoting their Ideas used in the torpedoes.
- Faculties were able to select students who are innovative and guided them to build their Ideas.



Fig.1: Students accompanied by coordinators at DIET main gate



Fig.2: Entrance of Naval Science and Technological laboratory-DRDO Vizag

Torpedo models used:

1. Torpedo Advanced Light (TAL)

Torpedo Advanced Light (TAL) is an electrically propelled self-homing torpedo and can be launched from ship and rotary wing aircraft. It has both active and passive modes of operations, and all digital control and guidance systems. TAL is an anti-submarine weapon, which can attack submarines in shallow waters & deep waters.

Salient Features:

- High power seawater activated battery
- Operating Depth 450 m
- Weight (War head version) 220 kg

2. Multi influence ground mine

The Multi-influence naval mines MINEA are the most advanced naval mines made at the moment.

MINEA different types adapt to different scenarios:

- Moored mines for deep waters
- Cylindrical bottom mine general purpose mine for discrete SS launching
- Conical shape mine is a low profile bottom mine for shallow waters

The three mine types have common electronics and performance.

MINEA Moored Mine is equipped with sensors for the detection and processing of the magnetic, electric, pressure and acoustic signatures, comprising:

- Magnetic sensor
- Electric sensor
- Acoustic sensor
- Sonar detector
- Pressure sensor
- Seismic sensor in cylindrical and conic shape mines

The mines can be optionally fitted with anechoic coverings to reduce their sonar target strength.



Fig.3: Multi influence ground mine

3. Advanced light weight torpedo

The Advanced Light Torpedo (TAL) Shyena is the first indigenous advanced lightweight anti-submarine torpedo of India, developed by the Naval Science and Technological Laboratory (NSTL) of the Defence Research and Development Organization (DRDO) for the Indian Navy. The lightweight torpedo can be launched by ships, submarines, helicopters and Ilyushin Il-38, named after the divine hawk identified with Agni.



Fig.4: Advanced Light weight torpedo

4. Varunastra

The Varunastra is an Indian advanced heavyweight anti-submarine torpedo, developed by Naval Science and Technological Laboratory of the Defence Research and Development Organization for the Indian Navy. It is named after a legendary weapon created by the Hindu god of the oceans, Varuna.



Fig.5: Varunastra Torpedo

5. Maareech ATDS

Maareech Advanced Torpedo Defence System is a torpedo detection and counter measure system used by the Indian Navy. The system offers a complete solution to detect and locate an incoming torpedo and to apply countermeasures to protect naval platform against torpedo attack.

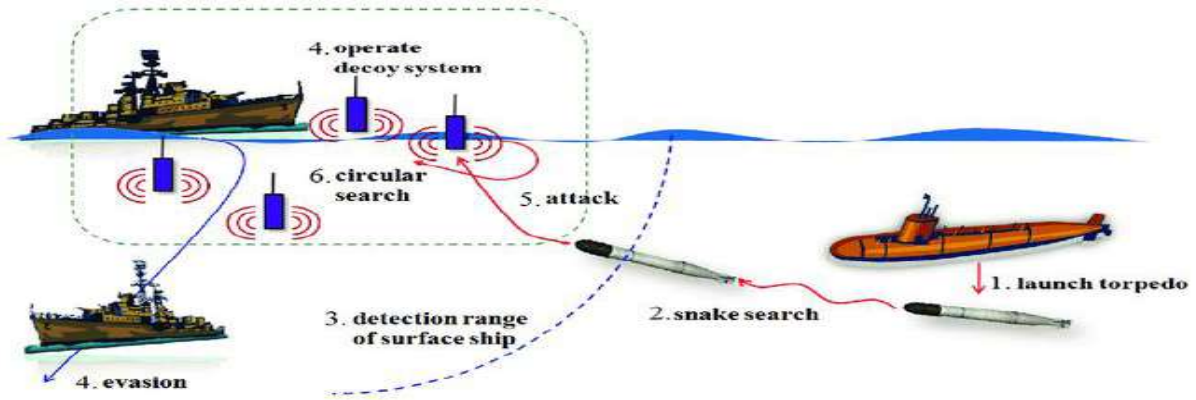


Fig.6: working of Maareech torpedo

6. Autonomous underwater vehicle

An autonomous underwater vehicle is a robot that travels underwater without requiring input from an operator.

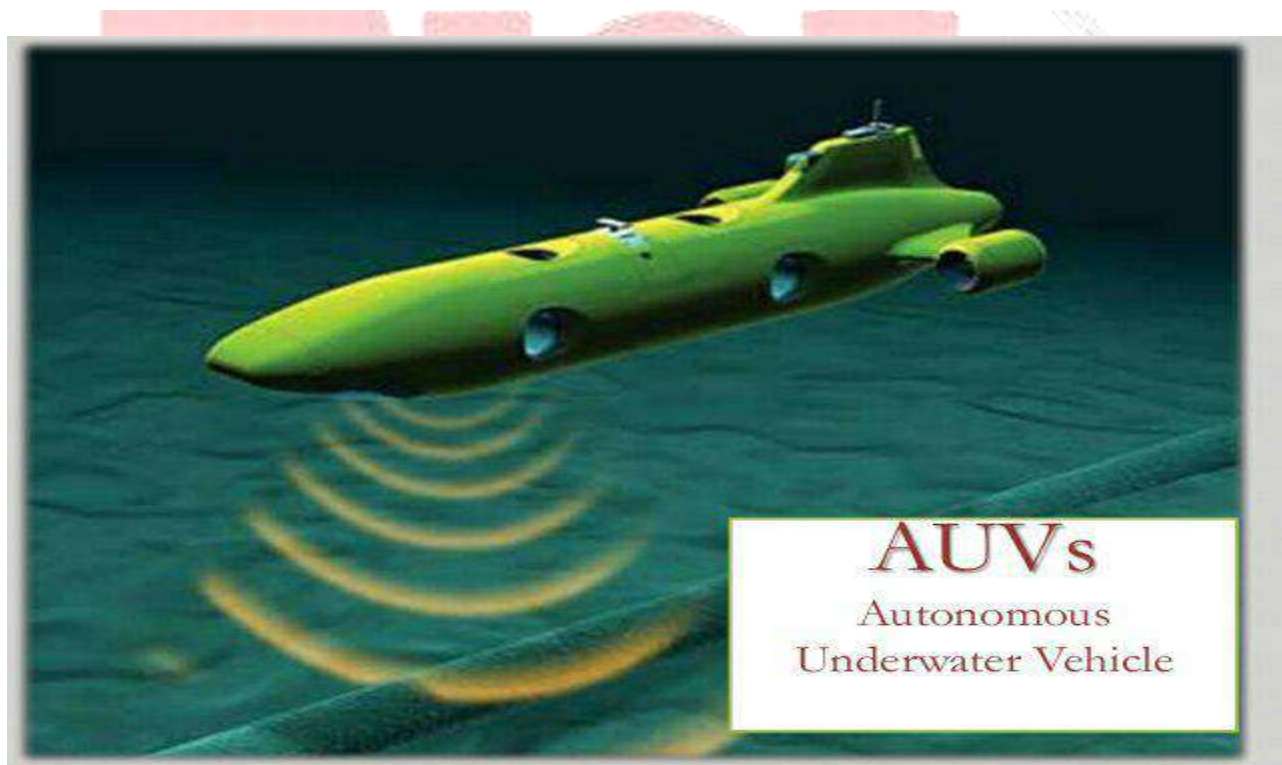


Fig.7: Autonomous underwater vehicle

LIST OF STUDENTS VISITED

S N	Roll No	Student Name	Year/Section
1	18U41A0201	BODDEDA PAVAN SAI PRAKASH	IV EEE A
2	18U41A0203	DEEPHI MAHANTHI YAGNA SHIVA	IV EEE A
3	18U41A0204	SUNDARAPU INDU	IV EEE A
4	18U41A0205	DUNNA SRAVAN SIVA KUMAR	IV EEE A
5	18U41A0209	KOTHALA POORNA RAJESWARI	IV EEE A
6	18U41A0210	KUCHARLA PREM KUMAR	IV EEE A
7	18U41A0211	MADDALA LOKESH	IV EEE A
8	18U41A0212	PACHHIGOLLA PRASANNA KUMAR	IV EEE A
9	18U41A0213	PILLALA KALYAN CHAKRAVARTHY	IV EEE A
10	18U41A0214	RONGALI RAMYA	IV EEE A
11	18U41A0217	VILLURI KIRAN KUMARI	IV EEE A
12	18U41A0220	LALAM VANDANA	IV EEE A
13	18U41A0221	KARRI MAHESH	IV EEE A
14	19U45A0208	BOLIBOYINA PYDIRAJU	IV EEE A
15	19U45A0214	DADI PRAVEEN	IV EEE A
16	19U45A0216	GILAKAMSETTY MANOHAR SRI	IV EEE A
17	19U45A0220	JOGA SHYAMALA	IV EEE A
18	19U45A0222	KALEPU LIKITHA	IV EEE A
19	19U45A0233	MADDALA SAI SANTHOSH	IV EEE B
20	19U45A0250	PEDAPATI GNANENDRA KUMA	IV EEE B
21	19U45A0252	POLAMARASETTY POORNA SAI	IV EEE B
22	19U45A0253	RAAVI SATISH SEKHAR	IV EEE B
23	19U45A0257	SENAPATHI ANIL	IV EEE B
24	19U45A0263	SUNKARA LAXMAN RAO	IV EEE B
25	20U45A0210	SIRISHA	III EEE
26	20U45A0211	D RAVI TEJA	III EEE

27	20U45A0229	K CHANDRIKA	III EEE
28	20U45A0244	S SAI	III EEE
29	20U45A0246	S SAI GANESH	III EEE



Fig.8: Students with Faculty Coordinators at NSTL-DRDO, Vizag

AUTOMATED SOIL MOISTURIZER

*A Socially Relevant Project Report submitted in partial fulfilment of the
requirements for the award of the Degree of*
BACHELOR OF TECHNOLOGY

IN

ELECTRICAL AND ELECTRONICS ENGINEERING

Submitted by

LEKKALA TARUNKUMAR	20U45A0233
ANAKAPALLI NAGENDRA	20U45A0203
UPPILI JAYANTH	20U45A0221
GALLA DEEPTHI	19U41A0201
MUMMINA LOWKYA	20U45A0238

Under the Esteemed Guidance of

Mr. A Krishna Nag

Associate professor & HOD, Department of EEE



DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

(Approved by A.I.C.T.E, New Delhi & Affiliated to JNTU, Kakinada)

NAAC ACCREDITED INSTITUTE

ISO 9001:2008; ISO 14001:2004 & OHSAS 18001:2007 Certified Institution

NH-50 Anakapalle-531002, Visakhapatnam, A.P.

2022

DADI INSTITUTE OF ENGINEERING AND TECHNOLOGY



DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

(Approved by A.I.C.T.E & Affiliated to JNTU, Kakinada)

NAAC ACCREDITED INSTITUTE

ISO 9001:2008; ISO 14001:2004 & OHSAS 18001:2007 Certified Institution

NH-5, Anakapalle-531002, Visakhapatnam, A.P

CERTIFICATE

This is to certify that the Socially Relevant Project work entitled "AUTOMATED SOIL MOISTURIZER" is a being submitted by L TARUNKUMAR (20U45A0233), ANAKAPALLI NAGENDRA (20U45A0203), UPPILI JAYANTH (20U45A0221), GALLA DEEPTHI (19U41A0201), MUMMINA LOWKYA (20U45A0238) in partial fulfilment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY for ELECTRICAL & ELECTRONICS ENGINEERING during the academic year 2021-22.


MR. A KRISHNA NAG
(ASSOCIATE PROFESSOR & HOD)

ABSTRACT

Planting a tree in an environment where the seed or the plant would not get water adequately through natural sources like rain or ground water in its initial phases has been always a matter of concern for tree planters.

This is where an autonomous moisture monitor for plants system can help.

This project on "Automated Soil Moisturizer" is intended to create an automated irrigation mechanism which turns the pumping motor ON and OFF by detecting the dampness/moisture content of the earth. In the domain of farming, utilization of appropriate means of irrigation is significant.

The benefit of employing these techniques is to decrease human interference and still make certain appropriate irrigation.

The proposed model consists of three stages: Firstly, sensing the land's moisture levels. Second stage is the determination of its status: dry or wet. The last and third stage is Motor control.

This project proposes the development of Automatic Soil Moisturizer(ASM) capable of detecting loss of moisture in soil using the soil moisture sensor. Specifically, ASM utilizes the Soil Moisture Sensor to detect water content level in soil and give appropriate responses to the system based on detected condition. Using this response, ASM determines whether or not the land needs to be irrigated.

In the current version, ASM is capable of detecting and irrigating a small area that can be considered to be under a single pump's coverage. Implemented using IC 555 TIMER, APIS uses live input data to determine the conditions. ASM represents our most basic step towards automated farming to improve turnover and reduce the impact of draught or loss due to irrigation issues.

In this system we use a timer IC to time the monitoring process. A moisture level sensor is used to detect the moisture level of the soil. An LED is used to give visual alarm and a Buzzer is used to give audio alarm to the care taker of the plant.

Thus in this project with the help of a simple combinational circuit and a sensor we can help save a plant by maintaining the moisture level of the soil of the plant, thus keeping the plant healthy.

DETECTION OF RASH DRIVING ON HIGHWAYS

A Socially Relevant Project Report submitted in partial
fulfilment of the requirements for the award of the Degree

of

BACHELOR OF TECHNOLOGY

ELECTRICAL AND ELECTRONICS ENGINEERING

Submitted by

- | | |
|--------------------|------------|
| 1. A. VIJAY KUMAR | 20U45A0201 |
| 2. K. PAVANI | 20U45A0225 |
| 3. K. DILEEP KUMAR | 20U45A0226 |
| 4. K. SYAM KUMAR | 20U45A0227 |
| 5. M. GANGESH WRAO | 20U45A0268 |

Under the Esteemed Guidance of
Mr. B V SIVA PRASAD M.Tech, (P.h.D)
Assistant professor, EEE, DIET.



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NH-16, Anakapalle-531002, Visakhapatnam, A.P.

2022



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NH-16, Anakapalle-531002, Visakhapatnam, A.P.

CERTIFICATE

This is to certify that the Socially Relevant Project work entitled "DETECTION OF RASH DRIVING ON HIGHWAYS" is being submitted by A. VIJAY KUMAR (20U45A0201), K. PAVANI (20U45A0225), K. DILEEP KUMAR (20U45A0226), K. SYAM KUMAR (20U45A0227), M. GANGESWARA RAO (20U45A0268) in partial fulfilment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY for ELECTRICAL & ELECTRONICS ENGINEERING during the academic year 2021-2022.


Mrs. B. SIVA PRASAD
M.Tech, (PhD)

(ASSISTANT PROFESSOR, EEE.)
(SOCIALLY RELEVANT PROJECT GUIDE)


MR. A KRISHNA NAG
M.Tech, (PhD)

(ASSOCIATE PROFESSOR, EEE.)
(HEAD OF THE DEPARTMENT)

Head of the Department
Electrical & Electronics Engg.
DADI Institute of Engg. & Tech.
Anakapalle - 531 002


EXTERNAL EXAMINER

ABSTRACT :

The aim of this project is to develop a device to detect rash driving on highways and to alert the traffic authorities in case of any speed violation. Accidents due to rash driving on highways are on the rise and people are losing their lives because of others mistakes. While driving on highways, drivers should not exceed the maximum speed limit permitted for their vehicle. However, accidents keep on occurring due to speed violations as drivers follow their speedometers and control their speed according to them, and reduce the speed if they find it to be exceeding and beyond their control.

A highway speed checker comes handy for the traffic police, especially against the speed limit violators because it provides the digital display as well as buzzing sound or alarm to detect any vehicle speed if the vehicle exceeds the permitted speed limit. To overcome this problem, we have implemented a circuit called as a speed checker for highways. This kit is inexpensive and it is used for considering the average and high speed of vehicles that move on the highways or roads. By taking all these considerations in mind, we have designed a highway- speed checker circuit to detect the rash driving by using different electronic components such as timer, counter, logic gates, microcontroller, seven segment display and all other components. There is one death in every 4 minutes due to road accident in India.

As we know, each and every life is important so to stop this rush driving control is needed. In previous years, many people has worked on it or still working to stop this life taking accident. This speed checker will come handy for the highway traffic police as it will not only provide a digital display in accordance with a vehicle's speed but also sound an alarm if the vehicle exceeds the permissible speed for the highway. The system displays the time taken by the vehicle in crossing this 100m distance from one fixed point to the other in 6 second, from which the speed of the vehicle can be calculated. Thus we can also get a idea of the speed of each and every vehicle that is crossing over that road. This speed checker will come handy for the highway traffic police as it will not only provide a digital display in accordance with a vehicle's speed but also sound an alarm if the vehicle exceeds the permissible speed for the highway.

AUTOMATIC SCHOOL/COLLEGE PERIOD BELL

*A Socially Relevant Project Report submitted in partial
fulfilment of the requirements for the award of the Degree*

of

BACHELOR OF TECHNOLOGY

IN

ELECTRICAL AND ELECTRONICS ENGINEERING

Submitted by

SALAPU SAI GANESH	:	20U45A0246
CHIKKALA SAI SIRISHA	:	20U45A0210
THUMPALA AKSHAYA DEVI	:	19U41A0206
ARJILLI KONDA BABU	:	20U45A0204
MALLA SAI	:	20U45A0236

Under the Esteemed Guidance of

Mrs. K. ALFONI JOSE

Assistant Professor, Department of EEE



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(Approved by A.I.C.T.E, New Delhi & Affiliated to JNTU, Kakinada)

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NH-5, Anakapalle-531002, Visakhapatnam, A.P.

2022



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Institution

NH-16, Anakapalle-531002, Visakhapatnam, A.P

CERTIFICATE

This is to certify that the Socially Relevant Project work entitled "**AUTOMATIC SCHOOL / COLLEGE PERIOD BELL**" is a being submitted by Salapu Sai Ganesh (20U45A0246), Chikkala Sai Sirisha (20U45A0210), Thumpala Akshaya (Devi 19U41A0206), Arjilli Konda Babu (20U45A0204), Malla Sai (20U45A0236) in partial fulfilment of the Requirement for the award of the degree of **BACHELOR OF TECHNOLOGY** for **ELECTRICAL AND ELECTRONICS ENGINEERING** during the academic year 2021-2022.



Mrs. K. ALFONI JOSE
(ASSISTANT PROFESSOR)

(SOCIALLY RELEVANT PROJECT GUIDE)



MR. A KRISHNA NAG
(ASSOCIATE PROFESSOR)

(HEAD OF THE DEPARTMENT)

Head of the Department
Electrical & Electronics Engg.
Dadi Institute of Engg. & Tech.
Anakapalle - 531002



EXTERNAL EXAMINER

ABSTRACT

I still remember my school and college days and I am sure you too remember. In almost 90% school and colleges the classes are organized in periods. A school period is a block of time allocated for lessons, classes in schools. They typically last between 30 and 60 minutes, with around 3-10 periods per school day.

The ringing of a school bell is a signal that tells a school's students when it is time to go to class in the morning or afternoon and when it is time to change classes during the day as well as when students are dismissed from school.

A teacher typically rang a handheld bell to signal students to come inside or to begin and end class; it may be used for other purposes such as getting students' attention for special announcements. The first bells are believed to be from the 3rd century BC and were made of pottery.

Conventionally, the school bell is rang by a peon or multi-tasking assistant. What if there would be a microcontroller based automatic school bell which rings itself according to a fed timetable. This project is the implementation of same functionality.



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Institution**

NH5, Anakapalle-531002, Visakhapatnam

**A Mini Project Report on
WATER LEVEL INDICATOR USING 555
TIMER**

Submitted in partial fulfillment for the award of the degree of

Bachelor of Technology

in

ELECTRONICS AND ELECTRICAL ENGINEERING

Submitted By

BH.SAI PRAVEEN	- 20U45A0207
K.SANJAY	- 20U45A0224
P.PAVAN KUMAR	- 20U45A0243
S.SOMESH MAHA LAKSHMI NAIDU	- 20U45A0254
G.GANESH	- 20U45A0263

Under the Esteemed Guidance of

Mr.BV SIVA PRASAD

(Assistant Professor,EEE)



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Recognized under section 2(f) & 12(b) of UGC Act 1956

An ISO 9001:2008, 14001:2004 & OHSAS 18001:2007 Certified Institute

NH-16, Anakapalle, Visakhapatnam-531002, Andhra Pradesh

Phone: 9963694444/9963981111, E-Mail: info@diet.edu.in, Web: www.diet.edu.in

CERTIFICATE

This is to certify that the project work entitled "WATER LEVEL INDICATOR USING 555 TIMER" is being submitted by BH. Sai Praveen (20U45A0207), K.Sanjay (20U45A0224), P.PavanKumar(20U45A0243), S.S.M.NAIDU(20U45A0254), G.Ganesh (20U45A0263) in a partial fulfilment of the requirement for the award of the degree of BACHELOR OF TECHNOLOGY for ELECTRICAL AND ELECTRONICS ENGINEERING during the academic year 2021-22.

Signature of Project guide

Mr. B.V. SIVA PRASAD (M. Tech ,PhD)

Assistant professor
DIET

Signature of Head of the Department

Mr.A. Krishna nag (Ph.D)

Associate professor & HOD of EEE
DIET

signature of the External Examiner

ABSTRACT

water tank overflow is a common problem which leads to the wastage of water. Though there are many solutions to it like ball valves which automatically stop the water flow once the tank gets full. but being electronics enthusiastic wouldn't you like an electronic solution for it so here is a simple and handy that will guide you to make a circuit which will detect the water level and will raise an alarm upon getting the water tank full or a preset level .water level indicator is a modern way of measuring the water level using latest technologies like sensors ,arduino the main aim of the project is to calculate the water level at any instant of time and to buzz the buzzer if the tank is filled completely. I would like to use arduino and ultrasonic sensor to make it possible. this may be useful to conserve water and waste water.

MINI INVERTER 12V-240V

A Socially Relevant Project report submitted in partial fulfillment of
the requirements for the award of the degree of

BACHELOR OF TECHNOLOGY

In

ELECTRICAL AND ELECTRONICS ENGINEERING

Submitted by

D.SRI TEJA	(20U45A0215)
K.GANESH	(20U45A0223)
P.MURARI	(20U45A0242)
SK.JALALUDIN	(20U45A0252)
V.SYAM KUMAR	(20U45A0258)

Under the Esteemed Guidance of

Mr.G.JAGADEESH

Assistant Professor, Department of EEE



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ACCREDITED INSTITUTE

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Anakapalle-531002, Visakhapatnam, A.P.



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NH-5, Anakapalle-531002, Visakhapatnam, A.P.

CERTIFICATE

This is to certify that the Socially Relevant Project work entitled "**MINI INVERTER 12V-240V**" is being submitted by D.SRI TEJA (20U45A0215), K.GANESH (20U45A0223), P.MURARI (20U45A0242), SK.JALALUDDIN (20U45A0252), V.SYAM KUMAR (20U45A0258) in partial fulfillment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY for ELECTRICAL & ELECTRONICS ENGINEERING during the academic year 2021-2022.


Mr. G. JAGADEESH

ASSISTANT PROFESSOR, EEE Dept.

(PROJECT GUIDE)


Mr. A. KRISHNA NAG

ASSOCIATE PROFESSOR, EEE Dept.

(HEAD OF THE DEPARTMENT)

Head of the Department
Electrical & Electronics Engg.
Institute of Engg. & Tech.
3-531002


EXTERNAL EXAMINER

D.SRI TEJA	(20U45A0215)
K.GANESH	(20U45A0223)
P.MURARI	(20U45A0242)
SK.JALALUDIN	(20U45A0252)
V.SYAM KUMAR	(20U45A0258)

ABSTRACT

Inverters are widely used in domestic as well as industrial environments to serve as second line of source in case of power cut from the electricity utility grids. Inverter is the device the power the electric appliances in the event of the power failure. Inverter as the name implies first converts AC to DC for charging the battery and then inverts DC to AC for powering the electric Gadgets. So here is the power efficient inverter which is small in size and which can give output voltage of 220V-230V/150W. This power efficient mini inverter can be used to power up devices such as Wi-Fi routers, mobile chargers, Lights etc.

Key words: Battery, rectifier unit, inverting unit, energy Conservation, efficient usage of power.

ENERGY AUDITING IN RURAL AREAS

*A Project Report submitted in partial
fulfilment of the requirements for the award of the degree*

BACHELOR OF TECHNOLOGY

IN

ELECTRICAL & ELECTRONICS ENGINEERING

Submitted By

E.KUMAR

20U45A0217

M.VENKATESH

20U45A0237

K.NAVEEN

20U45A0265

Y.VENKATESH

19U41A0208

C.MANIKANTA

20U45A0261

Under the Esteemed Guidance of

Mr. K SRINIVAS RAO

Deputy Head of Department
Department of EEE



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(Approved by A.I.C.T.E, New Delhi & Affiliated to JNTU, Kakinada)

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NH-5, Anakapalle-531002, Visakhapatnam, A.P.

2019



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ISO 9001:2008: ISO 14001:2004 & OHSAS-18001:2007-Certified Institution
NH-5, Anakapalle-531002, Visakhapatnam, A.P.

CERTIFICATE

This is to certify that the project work entitled "ENERGY AUDITING IN RURAL AREAS" is being submitted by E.KUMAR M.VENKATESH K.NAVEEN Y.VENKATESH C.MANIKANTA in partial fulfilment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY for ELECTRICAL & ELECTRONICS ENGINEERING during the academic year 2021-22.

Mr.K.SRINIVAS RAO
DEPUTY HEAD OF DEPARTMENT
(PROJECT GUIDE)

Mr. KRISHNA NAG
ASSOCIATE PROFESSOR
(HEAD OF THE DEPARTMENT)

ACKNOWLEDGEMENT

The satisfaction that accompanies the successful completion of any task would be incomplete without the mention of people who made it possible and whose constant guidance and encouragement crown all the efforts with success.

First and for most, we would like to thank our project guide Mr.K.SRINIVAS RAO, Department of Electrical and Electronics Engineering for giving us an opportunity to work on this challenging topic and providing us guidance. Her encouragement, support and suggestions are most valuable for the successful completion of our course.

We feel elated to extend our floral gratitude to Head of the department, Mr. A. KRISHNA NAG, Department of Electrical and Electronics Engineering for his encouragement all the way during analysis of the project. His annotations, insinuations and criticisms are the key behind the successful completion of during project and for providing us all the required facilities.

Our thanks and appreciations also go to our colleague in developing the project. Thank you to all the people who have willingly helped us out with their abilities.



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NH-5, Anakapalle-531002, Visakhapatnam, A.P.

2020

AUTOMATIC WATER TANK INDICATOR

*A Socially Relevant Project Report submitted in partial
fulfilment of the requirements for the award of the*

Degree of

BACHELOR OF TECHNOLOGY

IN

ELECTRICAL AND ELECTRONICS ENGINEERING

Submitted by

K. VENKATESH

19U41A0202

N. VENKAT SAI

19U41A0209

G. LAXMAN

20U45A0219

H. K. KESAVA

20U45A0262

Under the Esteemed Guidance of

Mr.T. Ramesh Babu

Professor, Department of EEE



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CERTIFICATE

This is to certify that the Socially Relevant Project work entitled "AUTOMATIC WATER TANK INDICATOR" is a being submitted by K. VENKATESH (19U41A0202), N. VENKATA SAI (19U41A0209), G. LAXMAN (20U45A0219), K. KESAVA (20U45A0262) in partial fulfillment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY for ELECTRICAL & ELECTRONICS ENGINEERING during the academic year 2021-2022.

Mr. T . RAMESH BABU

ASST. (PROFESSOR)

(SOCIALY RELEVANT PROJECT GUIDE)

Mr. A. KRISHNA NAG

Assoc. (PROFESSOR)

(HEAD OF THE DEPARTMENT)

Head of the Department
Electrical & Electronics Engg.
& Tech.
L-- Anakapalle - 531 002

EXTERNAL EXAMINER

ABSTRACT

This project is taken up as India is an agriculture oriented country and the rate at which water resources are depleting is a dangerous threat hence there is a need of smart and efficient way of irrigation. In this project we have implemented sensors which detect the humidity in the soil (agricultural field) and supply water to the field which has water requirement. The project is PIC16F877A microcontroller based design which controls the water supply and the field to be irrigated. There are sensors present in each field which are not activated till water is present on the field. Once the field gets dry sensors sense the requirement of water in the field and send a signal to the microcontroller. Microcontroller then supply water to that particular field which has water requirement till the sensors is deactivated again. In case, when there are more than one signal for water requirement then the microcontroller will prioritize the first received signal and irrigate the fields accordingly.

This project uses PIC16F877A Microcontroller. It is programmed in such a way that it will sense the moisture level of the plants and supply the water if required. This type of system is often used for general plant care, as part of caring for small and large gardens. Normally, the plants need to be watered twice daily, morning and evening. So, the microcontroller has to be coded to water the plants in the greenhouse about two times per day. People enjoy plants, their benefits and the feeling related to nurturing them. However for most people it becomes challenging to keep them healthy and alive. To solve this problem we made a project for those who cannot water the plant due to their busy schedule or when they go outside for long time. The system automation is designed to be assistive to the user. We hope that through this project people will enjoy having plants without the challenges related to absent or forgetfulness.



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Kakinada) NAAC ACCREDITED INSTITUTE
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Institution
NH5, Anakapalle-531002, Visakhapatnam

**A Mini Project Report on
Design of COVID preventive
Temperature and Mask Scan Entry system using IoT**
Submitted in partial fulfillment for the award of the degree of
Bachelor of Technology
in
ELECTRONICS AND ELECTRICAL ENGINEERING

By

J.VISWASWARA RAO -20U45A0220
D.RAVI TEJA -20U45A0211
B.BENARJEE VAMSI -20U45A0206
R.JAYARAM -19U41A0203
R.SATYA JAGADEESH -20U45A0244

Under the Esteemed Guidance of
CH. RAVI KUMAR
(Associate Professor)
Department Of EEE



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An ISO 9001:2008, 14001:2004 & OHSAS 18001:2007 Certified Institute

NH-16, Anakapalle, Visakhapatnam-531002, Andhra Pradesh

Phone: 9963694444/9963981111, E-Mail: info@diet.edu.in, Web: www.diet.edu.in

CERTIFICATE

This is to certify that the project work entitled “**DESIGN OF COVID PREVENTIVE TEMPERATURE AND MASK SCAN ENTRY SYSTEM USING IOT**” is being submitted by J.Viswaswara Rao (20U45A0220), D.Ravi teja (20U45A0211), B.Benarjee Vamsi (20U45A0206), R.Jaya Ram (19U41A0203), R.Satya Jagadesh (20U45A0244) in a partial fulfilment of the requirement for the award of the degree of BACHELOR OF TECHNOLOGY for ELECTRICAL AND ELECTRONICS ENGINEERING during the academic year 2021-22.

Signature of Project guide
Mr.Ch.Ravi kumar (M.Tech)
Assistant professor
DIET

Signature of Head of the Department
Mr.A.Krishnanag (Ph.D)
Associate professor & HOD of EEE
DIET
Head of the Department
Electronics Engg. & Tech.
Anakapalle - 531 002

Signature of the External Examiner

ABSTRACT

**This project is designed in inspired with real life scenario which
our team-mate gone through**

Currently humans are employed for temperature screening and mask identification in public places to prevent the spread of COVID-19. We have temperature testing systems for all scanning entrances, but manual temperature scanning has numerous drawbacks. The staff isn't well-versed in the use of temperature scanners. When reading values, there is space for human error. People are often allowed entry despite higher temperature readings or the lack of masks. For large crowds, a manual scanning device is ineffective. Hence there arises a need to have an automatic system that checks for temperature and mask. We propose a fully automated temperature scanner and entry provider system to solve this issue. The system uses a contactless temperature scanner and a camera to capture image. If a high temperature or the absence of a mask is observed, the scanner is connected to a gate like structure that prevents entry. To monitor the entire process, the device uses a temperature sensor and camera connected to a Raspberry Pi system. The main theme of this paper is to automate the entire covid scanning process for reducing risk of spread COVID-19 in highly crowded places such as malls, schools and colleges.

AUTOMATIC STREET LIGHTS DESIGN

**Automatic Streetlights that Glow on Detecting Night and
Object using Arduino**

*A Socially Relevant Project Report submitted in partial fulfilment
of the requirements for the award of the Degree of*

BACHELOR OF TECHNOLOGY

IN

ELECTRICAL AND ELECTRONICS ENGINEERING

Submitted by

B . MUSILI NAIDU (20U45A0208)

B. LAKSHMI NARAYANA MANIKANTHA (20U45A0209)

K. CHANDU (20U45A0222)

V. VARAHA VENKATA SATYA NARENDRA (20U45A0257)

V. CHARAN SAI TEJA (20U45A0259)

Under the Esteemed Guidance of

J. Deleep Kumar

Assistant Professor, Department of E.E.E



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NH-16, Anakapalle-531002, Visakhapatnam, A.P.



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Institution

NH-16, Anakapalle-531002, Visakhapatnam, A. P

CERTIFICATE

This is to certify that the Socially Relevant Project work entitled **“AUTIO MATIC STREET LIGHTINGS DESIGN IN PUBLIC PLACES”** is a being submitted by B. MUSILI NAIDU [20U45A0208], B. LAKSHMI NARAYANA MANIKANTHA [20U45A0209], K. CHANDU [20U45A0222], V. VARAHA VENKATA SATYA NARENDRA [20U45A0257], V. CHARAN SAI TEJA [20U45A0259].

In partial fulfilment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY for COMPUTER SCIENCE & ENGINEERING during the academic year 2021-2022.

J. DELEEP KUMAR
(Assistant PROFESSOR)
(SOCIALLY RELEVANT
PROJECT GUIDE).

A. KRISHNA NAG
(Assistant PROFESSOR)
(HEAD OF DEPARTMENT)

Head of the Department
Electrical & Electronics Engg.
Dadi Institute of Engg. & Tech
Anakapalle - 531 002

EXTERNAL EXAMINER

ABSTRACT

Our manuscript aims to develop a system which will lead to energy conservation and by doing so, we would be able to lighten few more homes. The proposed work is accomplished by using Arduino microcontroller and sensors that will control the electricity based on night and object's detection. Meanwhile, a counter is set that will count the number of objects passed through the road. The beauty of the proposed work is that the wastage of unused electricity can be reduced, lifetime of the streetlights gets enhance because the lights do not stay ON during the whole night, and also helps to increase safety measurements. We are confident that the proposed idea will be beneficial in the future applications of microcontrollers and sensors etc.

INDEXED TERMS : Automation, Switching, Energy conservation, Arduino, Sensors.

A MULTIFACTOR STUDENTS ATTENDENCE SYSTEM

*A Socially Relevant Project Report submitted in partial
fulfilment of the requirements for the award of the Degree of*

BACHELOR OF TECHNOLOGY

IN

ELECTRICAL AND ELECTRONICS ENGINEERING

Submitted by

S. UDAY KIRAN	(20U45A0255)
L. SUNIL	(20U45A0234)
D. SAI	(20U45A0213)
D. ARUNA	(20U45A0216)
V. SIRISHA	(20U45A0266)

Under the Esteemed Guidance of

Mr. A. CHIRANJEEVI

Assistant Professor, Department of EEE



[Handwritten signature]



DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

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ISO 9001:2008; ISO 14001:2004 & OHSAS 18001:2007 Certified Institution

NH-5, Anakapalle-531002, Visakhapatnam, A.P

CERTIFICATE

This is to certify that the Socially Relevant Project work entitled "A MULTIFACTOR STUDENT ATTENDEES^(S) SYSYEM " is a being submitted by S. UDAY KIRAN (20U45A0255), L. SUNIL (20U45A0234), D. SAI (20U45A0213), D. ARUNA (20U45A0216), V. SIRISHA (20U45A0266) in partial fulfilment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY for ELECTRICAL & ELECTRONICS ENGINEERING during the academic year 2020-2023.


Mr. A. CHIRANJEEVI

(ASSISTANT PROFESSOR)

(SOCIALLY RELEVANT PROJECT GUIDE)


Mr. A. KRISHNA NAG

(ASSOCIATE PROFESSOR)

(HEAD OF THE DEPARTMENT)
Head of the Department
Electrical & Electronics Engg.
Dadi Institute of Engg. & Tech.
Anakapalle - 531 002

ABSTRACT

Attendance is an important factor for measuring eligibility, commitment and record keeping for assessment of students and employees. Several automated attendance systems have been developed. These systems are mostly based on single factor template based, which pose a security fault line. This paper presents the development of a multifactor attendance system that employs the flexibility of RFID technology and the security of fingerprint biometrics to manage students' attendance record. Performance evaluation in terms of response time and event using 10 students shows that average execution time of approximately 4.61 seconds could be achieved. Likewise, the system recorded zero percent (0%) of false reject, which tries the system reliability and integrity of the result.

Keywords- RFID; Fingerprint Biometric; Cryptography; Authentication; Security.

**WATER LEVEL INDICATOR USING ARDUINO AND
ULTRA SONIC -- SENSOR**

11

A Project Report submitted in partial fulfilment of the requirements for the award of the degree

**BACHELOR OF
TECHNOLOGY IN
ELECTRICAL & ELECTRONICS
ENGINEERING**

Submitted By

**G GOWTHAM
KUMAR
S PADMA
A HEMANTH
KV CHAITANYA
D SIVA**

**20U45A0218
20U45A0251
20U45A0202
20U45A0230
20U45A0214**

Mr.G. JAGADEESH
ASSISTANT Professor, Department of



DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

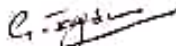
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ISO 9001:2008; ISO 14001:2004 & OHSAS 18001:2007 Certified Institution NH-5, Anakapalle-531002, Visakhapatnam




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NIT-5, Anakapalle-531002, Visakhapatnam, A.P.

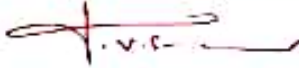
CERTIFICATE

This is to certify that the project work entitled "WATER LEVEL INDICATOR" is being submitted by G Gowtam kumar, S Padma, K V Chaitanya, A Hemanth, B shiva in partial fulfillment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY for ELECTRICAL & ELECTRONICS ENGINEERING during the academic year 2021-22.


Mr. G JAGDEESH
ASSISTANT PROFESSOR
(PROJECT GUIDE)


Mr. KRISHNA NAG
ASSOCIATE PROFESSOR
(HEAD OF THE DEPARTMENT)

DEPT. OF ELECTRICAL & ELECTRONICS ENGG.
& INSTRUMENTATION
DADI Institute of Engg. & Tech.
Anakapalle - 531 002


EXTERNAL EXAMINER

WATER LEVEL INDICATOR USING ARDUINO AND ULTRASONIC SENSORS

G Jagadeesh¹, K V Chaitanya², S Venkata padmavathi², A Hemanth², G Gowtham kumar², B Shiva²

¹Faculty, ²student, Dadi Institute of Engineering and Technology, Anakapalle

Abstract:

The facility requirements in many industries, farms, hostels, hotels, offices include an overhead tank for water which is usually fed through an electric pump that is switched off when the tank is filled up and switched on when it is empty. So, the most common way of knowing when the tank is filled is by observing when it overflows the brim. Depending on the type of liquid being handled, overfilling of such a tank could lead to a great liquid material loss ranging in the order of thousands of naira per week depending on the extent of such applications. These losses can be prevented if the tank is monitored automatically by incorporating a feedback. A water level indicator using ultrasonic sensors and Arduino is an amazing and very useful project. The objective of this project is to notify the user the amount of water that is present in the overhead water tank. This project can be further enhanced to control the water level in the tank by turning it on when the water level is low and turning it off when the water level is high. Thus, the Arduino circuit of a water level indicator helps in the prevention of water wastage in an overhead tank. A transmitter circuit and receiver circuit. The transmitter circuit makes use of an ultrasonic sensor to measure the water level in terms of distance. This data is sent to the receiver circuit using RF communication.

KEYWORDS: Arduino, Ultrasonic sensors, water level indication.

PLASTIC RECYCLING

*A Socially Relevant Project Report submitted in partial
fulfilment of the requirements for the award of the Degree of*
BACHELOR OF TECHNOLOGY

IN

ELECTRICAL AND ELECTRONICS ENGINEERING

Submitted by

K.MADHU	(20U45A0231)
K.SWETHA	(20U45A0228)
L.VIJAY KUMAR	(20U45A0232)
O.LOKESH	(20U45A0239)
S.PADMANABHAM	(20U45A0246)

Under the Esteemed Guidance of
Mr. MOHAN
Assistant Professor, Department of EEE



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NH-5, Anakapalle-531002, Visakhapatnam, A.P.

2022



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Institution

NH-5, Anakapalle-531002, Visakhapatnam, A.P

CERTIFICATE

This is to certify that the Socially Relevant Project work entitled "PLASTIC RECYCLING" is a being submitted by K.MADHU (20U45A0231), K.SWETHA (20U45A0228), L.VIJAY KUMAR (20U45A0232), O.LOKESH (20U45A0293), S.PADMANABHAM (20U45A0246) in partial fulfilment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY for ELECTRICAL AND ELECTRONICS ENGINEERING during the academic year 2021-22.

SUPERVISOR

M. Mohan.

Mr. MOHAN

Assistant Professor (EEE)

Dept. of EEE, DIET

[Signature]

EXTERNAL EXAMINER

HEAD OF THE DEPARTMENT

[Signature]

Mr. KRISHNA NAG

Associate Professor & HOD (EEE)

Dept. of EEE, DIET

Head of the Department
Electrical & Electronics Engg.
Dadi Institute of Engg. & Tech.
Anakapalle - 531 002

PLASTIC RECYCLING

GUIDE : Mr. M.MOHAN [M.Tech]

Assistant professor, EEE.

K. MADHU	20U45A0231
K. SWETHA	20U45A0228
L. VIJAY KUMAR	20U45A0232
O. LOKESH	20U45A0239
S. PADMANABHAM	20U45A0245

ABSTRACT :-

The aim of the project is to protect marine and many living organisms from plastic, now a days plastic is became one of the main role in our life most of those plastic were dumping into the oceans and other dumping places. Plastic takes many years to decompose and it may pollute the earth and water, so we are trying to recycle the plastic which are found in bulk amount of stationary plastics from many educational institutions like pens, pencils, scales, and many other objects, which are used by students. So we are trying to collect those plastic objects which are used by the students by giving complimentary things to them and trying to convince them and explaining them what are the harmful impacts which are going to be held on us in further upcoming days on many other living organisms. we will collect many pens from every class by estimate we can collect around tones of pens from every institute with those pens we can recycle into plastic bags, toys many other useful things.

SINGLE AXIS SOLAR TRACKING SYSTEM

**A Socially Relevant Project Report submitted in partial
fulfilment of the requirements for the award of the**

Degree of

BACHELOR OF TECHNOLOGY

IN

ELECTRICAL AND ELECTRONICS ENGINEERING

Submitted by

19U41A0205: SINGAMPALLI VENKATA KALYANI
20U45A0229: KASREDDI CHANDRIKA
20U45A0240: PAMALA LOHITH KUMAR
20U45A0247: S SANTHOSH SANDEEP
20U45A0248: SEETHINI MOUNIKA
20U45A0253: SIRASAPALLI SAI KUMAR

Under the Esteemed Guidance of

Mr. P. RAGHAVENDRA RAO

Assistant Professor, Department of EEE



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NH-5, Anakapalle-531002, Visakhapatnam, A.P 2022



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Institution

NH-5, Anakapalle-531002, Visakhapatnam, A.P

CERTIFICATE

This is to certify that the Socially Relevant Project work entitled
"SINGLE AXIS SOLAR TRACKING SYSTEM" is a being submitted by
(19U41A0205) VENKATA KALYANI, (20U45A0229) CHANDRIKA,
(20U45A0240) LOHITH KUMAR, (20U45A0247) S SANTHOSH
SANDEEP , (20U45A0247) MOUNIKA ,(20U45A0253) SAI KUMAR in
partial fulfilment of the Requirement for the award of the degree of
BACHELOR OF TECHNOLOGY for **ELECTRICAL AND ELECTRONICS
ENGINEERING** during the academic year 2021-2022.

Mr.P RAGHAVENDRA RAO

(Assistant Pofessor)

(SOCIALLY RELEVANT PROJECT GUIDE)

MR. A Krishna Nag
(Associate Professor)

(HEAD OF THE DEPARTMENT)

EXTERNAL EXAMINER

ABSTRACT

Solar panel has been used increasingly in recent years to convert solar energy to electrical energy. The solar panel can be used either as a stand-alone system or as a large solar system that is connected to the electricity grids. The earth receives 84 Terawatts of power and our world consumes about 12 Terawatts of power per day. We are trying to consume more energy from the sun using solar panel. In order to maximize the conversion from solar to electrical energy, the solar panels have to be positioned perpendicular to the sun. Thus the tracking of the sun's location and positioning of the solar panel are important. The goal of this project is to design an automatic tracking system, which can locate position of the sun. The tracking system will move the solar panel so that it is positioned perpendicular to the sun for maximum energy conversion at all time. Photo resistors will be used as sensors in this system. The system will consist of light sensing system, microcontroller, gear motor system, and a solar panel. Our system will output up to 40% more energy than solar panels without tracking systems.

**IOT BASED HOME AUTOMATION
SYSTEM**

A Socially Relevant

*A Project Report submitted in partial
fulfilment of the requirements for the award of the degree*

BACHELOR OF TECHNOLOGY

IN

ELECTRICAL & ELECTRONICS ENGINEERING

Submitted By

S. BHANU SREE

20U45A0267

S. SAI

20U45A0249

S. NARENDRA

20U45A0250

Y. ARVIND

20U45A0260

B. PAPI NAIDU

20U45A0205

P. SAI KONDAYYA

19U41A0210

Under the Esteemed Guidance of

Mr.K. Vijay Kumar

Assistant Professor, Department of EEE



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NH-5, Anakapalle-531002, Visakhapatnam, A.P.

2022



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NH-5, Anakapalle-531002, Visakhapatnam, A.P.

CERTIFICATE

This is to certify that the project work entitled "IOT BASED HOME AUTOMATION SYSTEM" is being submitted by S. BHANU SREE, S.SAI, S. NARENDRA, Y. ARVIND, B. PAPI NAIDU, P.SAI KONDAYYA in partial fulfilment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY for ELECTRICAL & ELECTRONICS ENGINEERING during the academic year 2021-22.

Mr. K. VIJAY KUMAR
ASSISTANT PROFESSOR
(PROJECT GUIDE)

Mr. KRISHNA NAG
ASSOCIATE PROFESSOR
(HEAD OF THE DEPARTMENT)

Head of the Department
Electrical & Electronics Engg
Dadi Institute of Engg & Tech
Anakapalle - 531 002

HOME AUTOMATION USING INTERNET OF THINGS

Under the Esteemed Guidance of

Mr. K. Vijay Kumar

S. BHANU SREE	:	20U45A0267
S. SAI	:	20U45A0249
S. NARENDRA	:	20U45A0250
Y. ARVIND	:	20U45A0260
B. PAPI NAIDU	:	20U45A0205
P. SAI KONDAYYA	:	19U41A0210

ABSTRACT

The main objective of this project is to develop a home automation system using an Arduino Board with Bluetooth being remotely controlled by any Android OS smart phone. As Technology is advancing so houses are also getting smarter. Modern houses are gradually Shifting from conventional switches to centralized control system, involving remote controlled Switches. Presently, conventional wall switches located in different parts of the house makes it Difficult for the user to go near them to operate. Even more it becomes more difficult for the Elderly or physically handicapped people to do so. Remote controlled home automation system Provides a most modern solution with smart phones. In order to achieve this, a Bluetooth Module is interfaced to the Arduino board at the receiver end while on the transmitter end, a GUI application on the cell phone sends ON/OFF commands to the receiver where loads are Connected. By touching the specified location on the GUI, the loads can be turned ON/OFF Remotely through this technology. The loads are operated by Arduino board through optoisolators and thyristors using triacs

Automatic Plant Watering System
A Socially Relevant Project Report submitted in partial
fulfilment of the requirements for the award of the
Degree of
BACHELOR OF TECHNOLOGY
IN
ELECTRICAL AND ELECTRONICS ENGINEERING

Submitted by

R. KURMA KAPOOR	19U41A0204
V. NOOKA RAJU	19U41A0207
D. MAHESH	20U45A0212
M. PREM KUMAR	20U45A0235
V. SHANKAR DINESH	20U45A0256
G. HARSHA VARDHAN	20U45A0264

Under the Esteemed Guidance of
Mr.K. Srinivas Rao
Assistant Professor, Department of EEE



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NH-5, Anakapalle-531002, Visakhapatnam, A.P.


2020

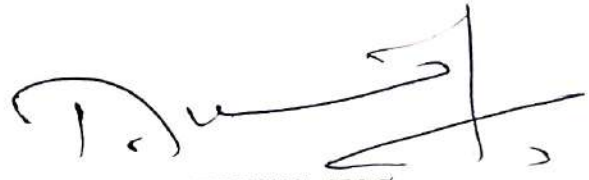


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Institution
NH-5, Anakapalle-531002, Visakhapatnam, A.P

CERTIFICATE

This is to certify that the Socially Relevant Project work entitled "AUTOMATIC PLANT WATERING SYSTEM" is a being submitted by R.KURMA KAPOOR (19U41A0204), V.NOOKA RAJU (19U41A0207), D.MAHESH (20U45A0212), M.PREM MUMAR (20U45A0235), V.SHANKAR DINESH (20U45A0256), G.HARSHA VARDHAN (20U45A0264) in partial fulfillment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY for ELECTRICAL & ELECTRONICS ENGINEERING during the academic year 2019-20.


Mr.K. SRINIVAS RAO
(ASSOCIATE PROFESSOR)
(SOCIALLY RELEVANT PROJECT GUIDE)


Mr.A.KRISHNA NAG
(ASSOCIATE PROFESSOR)

(HEAD OF THE DEPARTMENT)
Head of the Department
Electrical & Electronics Engg.
of Engg. & Tech.
NH-5, Anakapalle-531002


EXTERNAL EXAMINER

ABSTRACT

This project is taken up as India is an agriculture oriented country and the rate at which water resources are depleting is a dangerous threat hence there is a need of smart and efficient way of irrigation. In this project we have implemented sensors which detect the humidity in the soil (agricultural field) and supply water to the field which has water requirement. The project is PIC16F877A microcontroller based design which controls the water supply and the field to be irrigated. There are sensors present in each field which are not activated till water is present on the field. Once the field gets dry sensors sense the requirement of water in the field and send a signal to the microcontroller. Microcontroller then supply water to that particular field which has water requirement till the sensors is deactivated again. In case, when there are more than one signal for water requirement then the microcontroller will prioritize the first received signal and irrigate the fields accordingly.

This project uses PIC16F877A Microcontroller. It is programmed in such a way that it will sense the moisture level of the plants and supply the water if required. This type of system is often used for general plant care, as part of caring for small and large gardens. Normally, the plants need to be watered twice daily, morning and evening. So, the microcontroller has to be coded to water the plants in the greenhouse about two times per day. People enjoy plants, their benefits and the feeling related to nurturing them. However for most people it becomes challenging to keep them healthy and alive. To solve this problem we made a project for those who cannot water the plant due to their busy schedule or when they go outside for long time. The system automation is designed to be assistive to the user. We hope that through this project people will enjoy having plants without the challenges related to absent or forgetfulness.



भारत हेवी इलेक्ट्रिकल्स लिमिटेड

हेवी प्लेट्स एंड वेसल्स प्लांट, विसखापत्नाम -530012, अ.प्र., भारत .

Bharat Heavy Electricals Limited

Heavy Plates & Vessels Plant, Visakhapatnam - 530012, A.P., INDIA

Ref: HRDC/B/07/2021

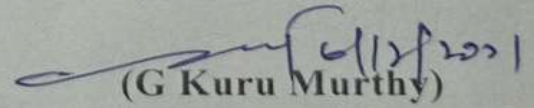
CERT.NO6442/26.10.2021

Date: 06/12/2021

CERTIFICATE

This is to certify that Miss. KOTHALA POORNA RAJESWARI D/o Shri KOTHALA PAPARAO studying B.Tech (EEE) in DADI INSTITUTE OF ENGINEERING & TECHNOLOGY, ANAKAPALLI. Has done INTERNSHIP in BHEL-HPVP, Visakhapatnam from 26.10.2021 to 25.11.2021.

During the above period her **CONDUCT & CHARACTER** were found **Very Good** and we wish her a bright future.


(G Kuru Murthy)

Dy. General Manager (HRDC & Security)

जी. कुरु मूर्थी / G. Kuru Murthy
उप महा प्रबंधक (मानव संसाधन व सुरक्षा)
Dy. General Manager (HRDC & Security)
वीएचईएल, एचपीवीपी/BHEL-HPVP,
विशाखपट्टणम/VISAKHAPATNAM-530 012



Andhra Pradesh State Skill Development Corporation (APSSDC)
(Department of Skill Development & Trainings, Govt. of Andhra Pradesh)



Certificate of Participation



Cert.No. SDC/PLC/0505

Regd Id : 18U41A0209

This is to certify that Mr./Ms./Mrs. Kothala Poorna Rajeswari
of Dadi Institute of Engineering and Technology has successfully
participated in Online Training Program on Industrial Automation with PLC
held from 14-09-2021 to 06-10-2021

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju
MD, APSSDC



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हेवी प्लेट्स एंड वेसल्स प्लांट, विसखापत्ताम -530012, अ.प्र., भारत .

Bharat Heavy Electricals Limited

Heavy Plates & Vessels Plant, Visakhapatnam - 530012, A.P., INDIA

Ref: HRDC/B/07/2021

CERT.NO:6376/18.09.2021

Date: 01/11/2021

CERTIFICATE

This is to certify that **Mr. PACHHIGOLLA PRASANNA KUMAR** S/o Shri **PACHHIGOLLA NOOKAYYA SETTI** studying **B.Tech (EEE)** in **DADI INSTITUTE OF ENGINEERING & TECHNOLOGY, ANAKAPALLI**. Has done **INTERNSHIP** in **BHEL-HPVP, Visakhapatnam** from **18.09.2021 to 16.10.2021**.

During the above period his **CONDUCT & CHARACTER** were found **Very Good** and we wish him a bright future.


(G Kuru Murthy)

Dy. General Manager (HRDC & Security)

Certificate of Training

Rongali Ramya

from Dadi Institute Of Engineering & Technology (A NAAC Accredited Institute) has successfully completed a 6-week online training on **AutoCAD**. The training consisted of Interface, Drawing Aids & Basic Objects, Complex Objects & Object editing, Blocks & Annotations, Plotting & Introduction to 3D, and The Final Project modules.

In the final assessment, Rongali scored 50% marks.

We wish Rongali all the best for future endeavours.



Sarvesh Agarwal

FOUNDER & CEO, INTERNSHALA

Date of certification: 2021-10-18

Certificate no. : 1609D72D-999A-EF73-54C0-03E6D7405C9D

For certificate authentication, please visit https://trainings.internshala.com/verify_certificate

Rongali Ramya

Certificate of Completion for

AWS Academy Graduate - AWS Academy Cloud Foundations

Course hours completed

20 hours

Issued on

11/22/2021

Digital badge

<https://www.credly.com/go/7inFfwRO>



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NH-16, Anakapalle - 531002, Visakhapatnam, A.P.

Phone: 08924-221111 / 221122 / 9963981111, www.diet.edu.in, E-mail: info@diet.edu.in

Certificate of merit

*This is to certify that RONGALI RAMYA has successfully completed two week Training Program and in Recognition of his/her Outstanding performance in “**Virtual C - Program learning**” organized by Department of Training and Placement Cell, Dadi Institute of Engineering and Technology, Anakapalle, Visakhapatnam.
From 22nd to 27th June & 06th to 11th July 2020*

Mr. R. Suneel Kumar
Training & Placement Officer

Dr. K.S. Eswararao
Vice Principal

Dr. Ch. Prabhakara Rao
Principal

Sri Dadi Ratnakar
Chairman



भारत हेवी इलेक्ट्रिकल्स लिमिटेड

हेवी प्लेट्स एंड वेसल्स प्लांट, विसखापत्नाम -530012, अ.प्र., भारत .

Bharat Heavy Electricals Limited

Heavy Plates & Vessels Plant, Visakhapatnam - 530012, A.P., INDIA

Ref: HRDC/B/07/2021

CERT.NO6440/26.10.2021

Date: 06/12/2021

CERTIFICATE

This is to certify that Miss. SARISA SRI NOWSHYA D/o Shri SARISA VENKAT studying B.Tech (EEE) in DADI INSTITUTE OF ENGINEERING & TECHNOLOGY, ANAKAPALLI. Has done INTERNSHIP in BHEL-HPVP, Visakhapatnam from 26.10.2021 to 25.11.2021.

During the above period her CONDUCT & CHARACTER were found **Very Good** and we wish her a bright future.


(G Kuru Murthy)

Dy. General Manager (HRDC & Security)

जो. कुर्कु मूर्थी
उप महा प्रबंधक (एचआर डी & सेक्युरिटी)
Dy. General Manager (HRDC & Security)
बीएचईएल, एचपीवीपी/BHEL-HPVP,
विशाखपट्टणम/VISAKHAPATNAM-530 012

**VISAKHAPATNAM STEEL PLANT
TECHNICAL TRAINING INSTITUTE**

JOINING REPORT

Trainee No.: 100005469

To
HOD(Training),
Technical Training Institute,
Visakhapatnam Steel Plant.

No. of Trg. Weeks: 4

Training Type: Project Based

I hereby report for the Industrial Training in VISAKHAPATNAM STEEL PLANT from 27-09-2021 to 23-10-2021.

My particulars are as follows:

1. Name (As per SSC Certificate) : A.KUSUMA KUMARI
2. Sex : F
- 3(a). Course/Branch : BE/B Tech / EEE/Electrical
- 3(b). Year of Study : 4
4. Name of College & Place : DADI INSTITUTE OF ENGINEERING AND TECHNOLOGY
ANAKAPALLE
5. Fathers Name & Permanent Address : A.RAMANA BABU & Dno-2-12 Akkired
palem,Anakapalle,Visakapatnam
6. Contact Telephone Number : 8185837969
7. Category : OBC
8. Details of Training charges paid :

Challan No : 100005469

Amount: Rs 1600 Bank:Bank of Baroda
Date:

(PTO)

Undertakings

I, A.KUSUMA KUMARI a student of (course) BE/B Tech (year) 4 (branch) EEE/Electrical of DADI INSTITUTE OF ENGINEERING AND TECHNOLOGY ANAKAPALLE & Dno-2-12 Akkireddy palem, Anakapalle, Visakhapatnam

have come for Industrial Training in Visakhapatnam Steel Plant from 27-09-2021 to 23-10-2021 solemnly affirm that:

1. I shall abide by the rules and regulations of Visakhapatnam Steel Plant.
2. I shall take all the safety precautions during training and also that I shall be fully responsible for any event of accident during training.
3. I will go to the allocated department after attending the safety induction training conducted at TTI.
4. VSP shall not be made responsible in the event of any accident to me, during the training.
5. I shall return the tools and safety appliances etc., if any issued to me by Visakhapatnam Steel Plant.
6. I will be present at the allocated department only. My project permission can be cancelled, if I am found at any other zonal department in Visakhapatnam Steel Plant.

Visakhapatnam

Date :

Signature of the Trainee



भारत हेवी इलेक्ट्रिकल्स लिमिटेड

हेवी प्लेट्स एंड वेसल्स प्लांट, विसखापत्नाम -530012, अ.प्र., भारत .

Bharat Heavy Electricals Limited

Heavy Plates & Vessels Plant, Visakhapatnam - 530012, A.P., INDIA

Ref: HRDC/B/07/2021

CERT.NO:6378/18.09.2021

Date: 26/10/2021

CERTIFICATE

This is to certify that **Mr. APPANA SAI SASI KUMAR** S/o **Shri APPANA PRASAD** studying **B.Tech (EEE)** in **DADI INSTITUTE OF ENGINEERING & TECHNOLOGY, ANAKAPALLI**. Has done **INTERNSHIP** in **BHEL-HPVP, Visakhapatnam** from **18.09.2021** to **16.10.2021**.

During the above period his **CONDUCT & CHARACTER** were found **Very Good** and we wish him a bright future.


(G Kuru Murthy)

Dy. General Manager (HRDC& Security)

**VISAKHAPATNAM STEEL PLANT
TECHNICAL TRAINING INSTITUTE**

JOINING REPORT

Trainee No.: 100005369

To
HOD(Training),
Technical Training Institute,
Visakhapatnam Steel Plant.

No. of Trg. Weeks: 4

Training Type: Project Based

I hereby report for the Industrial Training in VISAKHAPATNAM STEEL PLANT from 27-09-2021 to 23-10-2021.

My particulars are as follows:

1. Name (As per SSC Certificate) : B.BHAVANA
2. Sex : F
- 3(a). Course/Branch : BE/B Tech / EEE/Electrical
- 3(b). Year of Study : 4
4. Name of College & Place : DADI INSTITUTE OF ENGINEERING AND TECHNOLOGY
ANAKAPALLE
5. Fathers Name & Permanent Address : B.KANAKA RAO &
Dno-5-93/6,Peddinaidupalem,Aganampudi,Visakapatnam
6. Contact Telephone Number : 8340945161
7. Category : OBC
8. Details of Training charges paid :

Challan No : 100005369

Amount: Rs 1600

Bank:Bank of Baroda

Date:

(PTO)

Undertakings

I, B.BHAVANA a student of (course) BE/B Tech (year) 4 (branch) EEE/Electrical of DADI INSTITUTE OF ENGINEERING AND TECHNOLOGY ANAKAPALLE & Dno-5-93/6, Peddinaidupalem, Aganampudi, Visakhapatnam

have come for Industrial Training in Visakhapatnam Steel Plant from 27-09-2021 to 23-10-2021 solemnly affirm that:

1. I shall abide by the rules and regulations of Visakhapatnam Steel Plant.
2. I shall take all the safety precautions during training and also that I shall be fully responsible for any event of accident during training.
3. I will go to the allocated department after attending the safety induction training conducted at TTI.
4. VSP shall not be made responsible in the event of any accident to me, during the training.
5. I shall return the tools and safety appliances etc., if any issued to me by Visakhapatnam Steel Plant.
6. I will be present at the allocated department only. My project permission can be cancelled, if I am found at any other zonal department in Visakhapatnam Steel Plant.

Visakhapatnam

Date :

Signature of the Trainee



अखिल भारतीय तकनीकी शिक्षा परिषद्
All India Council for Technical Education



N·E·A·T
प्रौद्योगिकी के लिए राष्ट्रीय शैक्षणिक सहयोग
National Educational Alliance for Technology



EduSkills
Nation Building Through Skills



Virtual Internship Completion Certificate

This is to certify that

BUDDHA LOHIDHAR

Dadi Institute of Engineering & Technology

has successfully completed 10 weeks

AWS Cloud Virtual Internship

during Oct - Dec 2021

Supported By **aws** academy

Shri Buddha Chandrasekhar
Chief Coordinating Officer (CCO)
NEAT Cell, AICTE

Dr. Satya Ranjan Biswal
Chief Technology Officer (CTO)
EduSkills



Certificate ID :1e6c706963500299cfc910430e813d46

Student ID :STU613702f03a5281630995184



ISO 9001, ISO 14001, ISO : 45001

विशाखपट्टणम पोर्ट ट्रस्ट
VISAKHAPATNAM PORT TRUST



SAGARMALA
PORT-LED PROSPERITY

No. IGAD/D/Project /2020

Dt. .12.2021

CERTIFICATE

This is to certify that **Ms. K.SHALINI**, B.Tech.,(EEE) Student in Dadi Institute of Engineering & Technology, Visakhapatnam has successfully completed her Internship in the field of **“ELECTRONICS & ELECTRICAL ENGINEER”** in M&EE Department of Visakhapatnam Port Trust from 29.11.2021 to 13.12.2021.

Her performance is **“GOOD”** and conduct during the said Period is **“SATISFACTORY”**.


For SECRETARY
सचिव /SECRETARY
विशाखपट्टणम पोर्ट ट्रस्ट
Visakhapatnam Port Trust
विशाखपट्टणम-530 035
Visakhapatnam -530 035



भारत हेवी इलेक्ट्रिकल्स लिमिटेड

हेवी प्लेट्स एंड वेसल्स प्लांट, विसखापत्नाम -530012, अ.प्र., भारत .

Bharat Heavy Electricals Limited

Heavy Plates & Vessels Plant, Visakhapatnam - 530012, A.P., INDIA

Ref: HRDC/B/07/2021

CERT.NO6421/01.10.2021

Date: 06/11/2021

CERTIFICATE

This is to certify that Miss. KAYALA MAHESWARI D/o Shri KAYALA KANAKARAO studying B.Tech (EEE) in DADI INSTITUTE OF ENGINEERING & TECHNOLOGY, ANAKAPALLI. Has done INTERNSHIP in BHEL-HPVP, Visakhapatnam from 01.10.2021 to 30.10.2021.

During the above period her CONDUCT & CHARACTER were found Very Good and we wish her a bright future.


(G Kuru Murthy)

Dy. General Manager (HRDC & Security)

डी. जनरल मॅनेजर (एचआरडीसी & सेक्युरिटी)
Dy. General Manager (HRDC & Security)
बी.एच.ई.एल., एच.पी.वी.पी./BHEL-HPVP,
विसाखपट्टणम/VISAKHAPATNAM-530 012



ISO 9001, ISO 14001 ISO : 45001

विशाखपट्टणम पोर्ट ट्रस्ट
VISAKHAPATNAM PORT TRUST



No. IGAD/D/Project /2020

Dt. .12.2021

CERTIFICATE

This is to certify that **Ms. M. VENKATA SAGARIKA**,
B.Tech.,(EEE) Student in Dadi Institute of Engineering & Technology,
Visakhapatnam has successfully completed her Internship in the field of
"ELECTRONICS & ELECTRICAL ENGINEER" in M&EE
Department of Visakhapatnam Port Trust from 29.11.2021 to 13.12.2021.

Her performance is **"GOOD"** and conduct during the said
Period is **"SATISFACTORY"**.

[Signature]
27/12/21
For SECRETARY
सचिव /SECRETARY
विशाखपट्टणम पोर्ट ट्रस्ट
Visakhapatnam Port Trust
विशाखपट्टणम-530 035
Visakhapatnam -530 035



राष्ट्रीय इस्पात निगम लिमिटेड Rashtriya Ispat Nigam Limited
विशाखापत्तनम इस्पात संयंत्र Visakhapatnam Steel Plant
तकनीकी प्रशिक्षण केंद्र, Technical training Institute
विशाखापत्तनम Visakhapatnam-530031

Reg.No. : 100005452
प्रमाणपत्र Certificate



प्रमाणित किया जाता है कि श्री /This is to certify that Mr./Ms. **M C V N.GANESH KUMAR** student of
(वर्ष/पाठ्यक्रम/शाखा-Year/course/Branch) **4/BE/B TECH/EEE/ELECTRICAL** विद्यार्थी ने from

DADI INSTITUTE OF ENGINEERING AND TECHNOLOGY ANAKAPALLE से has undergone

4 Week प्रशिक्षण training विशाखापत्तनम इस्पात

संयंत्र के at Visakhapatnam Steel Plant in **CENTRAL MAINTENANCE ELECTRICAL (CME)** विभागों में

department from दि. **27-09-2021** से to **23-10-2021** प्राप्त तक किया |

परियोजना शीर्षक The Project Title is **STUDY OF MAINTENANCE ASPECTS OF DIFFERENT TYPES OF MOTORS**
IN ROLLING MILLS है।

प्रशिक्षण अवधि में उनका आचरण His/Her conduct during the period of training
is **GOOD** है |

स्थल/Place : Visakhapatnam

दि./Date : 26-10-2021

प्रशिक्षण समन्वयक का हस्ताक्षर
Signature of Training Co-Ordinator
एम गणेश बाबु/M Ganesh Babu
सहायक महाप्रबंधक (प्रशिक्षण)/ Assistant General Manager (Training)
तकनीकी प्रशिक्षण संस्थान/Technical Training Institute
आर आई एन एल-विशाखापत्तनम इस्पात संयंत्र/RINL-Visakhapatnam Steel Plant
विशाखापत्तनम - 530031/Visakhapatnam-530031



राष्ट्रीय इस्पात निगम लिमिटेड Rashtriya Ispat Nigam Limited
विशाखापत्तनम इस्पात संयंत्र Visakhapatnam Steel Plant
तकनीकी प्रशिक्षण केंद्र, Technical training Institute
विशाखापत्तनम Visakhapatnam-530031

Reg.No. : 100005520
प्रमाणपत्र Certificate



प्रमाणित किया जाता है कि श्री /This is to certify that Mr./Ms. **M S D S.KIRAN YADAV** student of

(वर्ष/पाठ्यक्रम/शाखा-Year/course/Branch) **4/BE/B TECH/EEE/ELECTRICAL** विद्यार्थी ने from

DADI INSTITUTE OF ENGINEERING AND TECHNOLOGY ANAKAPALLE से has undergone

4 Week प्रशिक्षण training विशाखापत्तनम इस्पात

संयंत्र के at Visakhapatnam Steel Plant in **CENTRAL MAINTENANCE ELECTRICAL (CME)** विभागों में

department from दि. **27-09-2021** से to **23-10-2021** प्राप्त तक किया |

परियोजना शीर्षक The Project Title is **STUDY OF MAINTENANCE ASPECTS OF DIFFERENT TYPES OF MOTORS IN ROLLING MILLS** है।

प्रशिक्षण अवधि में उनका आचरण His/Her conduct during the period of training is **GOOD** है |

स्थल/Place : Visakhapatnam

दि./Date : 26-10-2021

प्रशिक्षण समन्वयक का हस्ताक्षर
Signature of Training Co-Ordinator
एम गणेश बाबु/M Ganesh Babu
सहायक महाप्रबंधक (प्रशिक्षण)/ Assistant General Manager (Training)
तकनीकी प्रशिक्षण संस्थान/Technical Training Institute
आर आई एन एल-विशाखापत्तनम इस्पात संयंत्र/RINL-Visakhapatnam Steel Plant
विशाखापत्तनम - 530031/Visakhapatnam-530031



राष्ट्रीय इस्पात निगम लिमिटेड Rashtriya Ispat Nigam Limited
विशाखापत्तनम इस्पात संयंत्र Visakhapatnam Steel Plant
तकनीकी प्रशिक्षण केंद्र, Technical training Institute
विशाखापत्तनम Visakhapatnam-530031

Reg.No. : 100005380
प्रमाणपत्र Certificate



प्रमाणित किया जाता है कि श्री /This is to certify that Mr./Ms. **P.GNANENDRA KUMAR** student of
(वर्ष/पाठ्यक्रम/शाखा-Year/course/Branch) **4/BE/B TECH/EEE/ELECTRICAL** विद्यार्थी ने from

DADI INSTITUTE OF ENGINEERING AND TECHNOLOGY ANAKAPALLE से has undergone

4 Week प्रशिक्षण training विशाखापत्तनम इस्पात

संयंत्र के at Visakhapatnam Steel Plant in **CENTRAL MAINTENANCE ELECTRICAL (CME)** विभागों में

department from दि. **27-09-2021** से to **23-10-2021** प्राप्त तक किया |

परियोजना शीर्षक The Project Title is **STUDY OF OVERHAULING TECHNIQUES FOR AC MOTORS** है।
प्रशिक्षण अवधि में उनका आचरण His/Her conduct during the period of training
is **GOOD** है |

स्थल/Place : Visakhapatnam

दि./Date : 26-10-2021

प्रशिक्षण समन्वयक का हस्ताक्षर
Signature of Training Co-Ordinator
एम गणेश बाबु/M Ganesh Babu
सहायक महाप्रबंधक (प्रशिक्षण)/ Assistant General Manager (Training)
तकनीकी प्रशिक्षण संस्थान/Technical Training Institute
भार आई एन एल-विशाखापत्तनम इस्पात संयंत्र/RINL-Visakhapatnam Steel Plant
विशाखापत्तनम - 530031/Visakhapatnam-530031



अखिल भारतीय तकनीकी शिक्षा परिषद्
All India Council for Technical Education



N·E·A·T
प्रौद्योगिकी के लिए राष्ट्रीय शैक्षणिक सहयोग
National Educational Alliance for Technology



EduSkills
Nation Building Through Skills



Virtual Internship Completion Certificate

This is to certify that

PEDAPATI GNANENDRA KUMAR

Dadi Institute of Engineering & Technology

has successfully completed 10 weeks

Robotic Process Automation (RPA) Virtual Internship

during Oct - Dec 2021

Supported By **blueprism®**
University

Ana Howes
Global Head of Education Services
Blue Prism

Shri Buddha Chandrasekhar
Chief Coordinating Officer (CCO)
NEAT Cell, AICTE

Dr. Satya Ranjan Biswal
Chief Technology Officer (CTO)
EduSkills



Certificate ID :ac9385df48fa4ac0a9280d2bff103c4e

Student ID :STU611e05cfd2b251629357519



राष्ट्रीय इस्पात निगम लिमिटेड Rashtriya Ispat Nigam Limited
विशाखापत्तनम इस्पात संयंत्र Visakhapatnam Steel Plant
तकनीकी प्रशिक्षण केंद्र, Technical training Institute
विशाखापत्तनम Visakhapatnam-530031

Reg.No. : 100005383
प्रमाणपत्र Certificate



प्रमाणित किया जाता है कि श्री /This is to certify that Mr./Ms. **S.ANIL** student of

(वर्ष/पाठ्यक्रम/शाखा-Year/course/Branch) **4/BE/B TECH/EEE/ELECTRICAL** विद्यार्थी ने from

DADI INSTITUTE OF ENGINEERING AND TECHNOLOGY ANAKAPALLE से has undergone

4 Week प्रशिक्षण training विशाखापत्तनम इस्पात

संयंत्र के at Visakhapatnam Steel Plant in **CENTRAL MAINTENANCE ELECTRICAL (CME)** विभागों में

department from दि. **27-09-2021** से to **23-10-2021** प्राप्त तक किया |

परियोजना शीर्षक The Project Title is **STUDY OF OVERHAULING TECHNIQUES FOR DC MOTORS** है।

प्रशिक्षण अवधि में उनका आचरण His/Her conduct during the period of training

is **GOOD** है |

स्थल/Place : Visakhapatnam

दि./Date : 26-10-2021

प्रशिक्षण समन्वयक का हस्ताक्षर
Signature of Training Co-Ordinator
एम गणेश बाबु/M Ganesh Babu
सहायक महाप्रबंधक (प्रशिक्षण)/ Assistant General Manager (Training)
तकनीकी प्रशिक्षण संस्थान/Technical Training Institute
भार आई एन एल-विशाखापत्तनम इस्पात संयंत्र/RINL-Visakhapatnam Steel Plant
विशाखापत्तनम - 530031/Visakhapatnam-530031



भारत हेवी इलेक्ट्रिकल्स लिमिटेड

हेवी प्लेट्स एंड वेसल्स प्लांट, विसखापत्नाम -530012, अ.प्र., भारत .

Bharat Heavy Electricals Limited

Heavy Plates & Vessels Plant, Visakhapatnam - 530012, A.P., INDIA

Ref: HRDC/B/07/2021

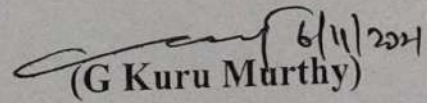
CERT.NO:6422/01.10.2021

Date: 06/11/2021

CERTIFICATE

This is to certify that Mr. POLAMARASETTY POORNA SAI S/o Shri POLAMARASETTY SRINIVASA RAO studying B.Tech (EEE) in DADI INSTITUTE OF ENGINEERING & TECHNOLOGY, ANAKAPALLI. Has done INTERNSHIP in BHEL-HPVP, Visakhapatnam from 01.10.2021 to 30.10.2021.

During the above period his CONDUCT & CHARACTER were found Very Good and we wish him a bright future.


(G Kuru Murthy)

Dy. General Manager (HRDC & Security)



ISO 9001, ISO 14001 ISO : 45001

विशाखपट्टणम पोर्ट ट्रस्ट
VISAKHAPATNAM PORT TRUST



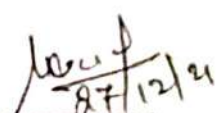
No. IGAD/D/Project /2020

Dt. 12.2021

CERTIFICATE

This is to certify that **Ms. SK. NAZEERA PARVEEN**,
B.Tech.,(EEE) Student in Dadi Institute of Engineering & Technology,
Visakhapatnam has successfully completed her Internship in the field of
"ELECTRONICS & ELECTRICAL ENGINEER" in M&EE
Department of Visakhapatnam Port Trust from 29.11.2021 to 13.12.2021.

Her performance is **"GOOD"** and conduct during the said
Period is **"SATISFACTORY"**.


For SECRETARY

सचिव /SECRETARY
विशाखपट्टणम पोर्ट ट्रस्ट
Visakhapatnam Port Trust,
विशाखपट्टणम-530 035
Visakhapatnam -530 035



अखिल भारतीय तकनीकी शिक्षा परिषद्
All India Council for Technical Education



N·E·A·T
प्रौद्योगिकी के लिए राष्ट्रीय शैक्षणिक सहयोग
National Educational Alliance for Technology



EduSkills
Nation Building Through Skills



Virtual Internship Completion Certificate

This is to certify that

SRI PADMA HRUSHIKESH KONATHALA

Dadi Institute of Engineering & Technology

has successfully completed 10 weeks

AWS Cloud Virtual Internship

during Oct - Dec 2021

Supported By **aws** academy

Shri Buddha Chandrasekhar
Chief Coordinating Officer (CCO)
NEAT Cell, AICTE

Dr. Satya Ranjan Biswal
Chief Technology Officer (CTO)
EduSkills



Certificate ID :c226a26896a993ae42106c2ccf305368

Student ID :STU613745bcb9caf1631012284



अखिल भारतीय तकनीकी शिक्षा परिषद्
All India Council for Technical Education



N·E·A·T
प्रौद्योगिकी के लिए राष्ट्रीय शैक्षणिक सहयोग
National Educational Alliance for Technology



EduSkills
Nation Building Through Skills



Virtual Internship Completion Certificate

This is to certify that

KOTNI SWATHI

Dadi Institute of Engineering & Technology

has successfully completed 10 weeks

AWS Cloud Virtual Internship

during Oct - Dec 2021

Supported By **aws** academy

Shri Buddha Chandrasekhar
Chief Coordinating Officer (CCO)
NEAT Cell, AICTE

Dr. Satya Ranjan Biswal
Chief Technology Officer (CTO)
EduSkills



Certificate ID :d155febd72255b218af5f24fefb9b31c

Student ID :STU60e546f0975a61625638640



अखिल भारतीय तकनीकी शिक्षा परिषद्
All India Council for Technical Education



N·E·A·T
प्रौद्योगिकी के लिए राष्ट्रीय शैक्षणिक सहयोग
National Educational Alliance for Technology



EduSkills
Nation Building Through Skills



Virtual Internship Completion Certificate

This is to certify that

KUSHAL MANOHAR MALLA

Dadi Institute of Engineering & Technology

has successfully completed 10 weeks

AWS Cloud Virtual Internship

during Oct - Dec 2021

Supported By **aws** academy

Shri Buddha Chandrasekhar
Chief Coordinating Officer (CCO)
NEAT Cell, AICTE

Dr. Satya Ranjan Biswal
Chief Technology Officer (CTO)
EduSkills



Certificate ID :7944cb1340078bb25eb3c5412eaa07f4

Student ID :STU60f17a19bdc861626438169



अखिल भारतीय तकनीकी शिक्षा परिषद्
All India Council for Technical Education



N·E·A·T
प्रौद्योगिकी के लिए राष्ट्रीय शैक्षणिक सहयोग
National Educational Alliance for Technology



EduSkills
Nation Building Through Skills



Virtual Internship Completion Certificate

This is to certify that

REDDY LOHIT KUMAR

Dadi Institute of Engineering & Technology

has successfully completed 10 weeks

AWS Cloud Virtual Internship

during Oct - Dec 2021

Supported By **aws** academy

Shri Buddha Chandrasekhar
Chief Coordinating Officer (CCO)
NEAT Cell, AICTE

Dr. Satya Ranjan Biswal
Chief Technology Officer (CTO)
EduSkills



Certificate ID :9e202d2bfe6b9a4696a0e50412e9b640

Student ID :STU61373a4cdcca61631009356